

# DUN-BRI ONLINE DOES THE HARD WORK SO YOU DON'T HAVE TO

## What do you get at [www.dun-bri.com](http://www.dun-bri.com)?

**Search** - the very best search capabilities including technical information

**Select** - customise your requirements e.g. 'favourites' and 'history'

**Order** - quick ordering, guaranteed delivery, with parcel tracking too.

## What does that mean for you?

**Convenience** - all the ordering capabilities you need, at your fingertips.

**Comfort** - DBG online checks the data, so you can be sure the order will be right.

**Control** - all the information and data you need.

## Work smarter

Not harder. Our website is a harder-working business tool that will enable you to be smarter, quicker; in short, make your life easier.

An investment of just five minutes of your time now to register will open a whole new world of information. And remember, because you have all the data and details at your fingertips, all of the time, you'll remain in control, making your life and work easier and quicker.



PRODUCT CATALOGUE 2013/14



# PRODUCT CATALOGUE 2013/14 EDITION

Over 8000 products, 95% available  
for overnight delivery

UK's only specialist and largest supplier  
of commercial vehicle lighting systems

Over 250 new products

Watermill Industrial Estate  
Aspenden Road  
Buntingford  
Hertfordshire SG9 9JS

Tel 01763 274185  
Fax 01763 274186  
Email [sales@dun-bri.com](mailto:sales@dun-bri.com)

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Email [sales-north@dun-bri.com](mailto:sales-north@dun-bri.com)

[www.dun-bri.com](http://www.dun-bri.com)



This Certificate is to verify that:

# Dun-Bri Group

Watermill Industrial Estate, Aspenden Road, Buntingford, Herts, SG9 9JS

Have been audited by:



And has been assessed for conformance to the requirements of:

**ISO 9001:2008**

*Quality Management System.*

## Scope of Registration:

Wholesale Distribution and Specialised Manufacturing of Lighting and Electrical Equipment for the Commercial Vehicle Market

*Registration Number*

**4020996**

*Signed on Behalf of The Audit People Ltd.*

*Certification Manager; Elaine Hanaghan.....*



**Initial Certification Date: 25th May 2012**  
**Certificate Issue Date: 25th May 2012**  
**Certificate Expiry Date: 24th May 2015**  
**Issue No. 01**



*Although certification is granted for 3 years, this is subject to annual surveillance audits to ensure compliance with the above standard.*

*This Certificate was issued electronically by The Audit People Ltd and Remains the Property of The Audit People Ltd and is bound by Conditions of Contract.*

*This is an accredited certificate Authorised for issue by Accreditation Services for Certifying Bodies (Europe) Limited who have fully assessed The Audit People Ltd as an impartial Conformity Assessment Body for Compliance with ISO 17021:2006 Conformity Assessment –Requirements for bodies providing audit and certification of management systems.*

*The Audit People Ltd, Accreditation Reg. No.201011-1, Archer House, Northbourne Road Eastbourne East Sussex BN22 8PW Reg: 07028608 United Kingdom Part 1 of Companies Act.*

**Certificate of Registration**



# ENGINEERING THE RIGHT SOLUTION FOR YOU

For over 20 years Dun-Bri Group has been at the forefront of automotive vehicle lighting. Always ahead of the game with the introduction of innovative products, manufacturing bespoke designs for customers with specific needs... now the family-owned business is producing its own looms and assemblies through Dun-Bri Engineering.

Dun-Bri Engineering was borne out of a desire to ensure the quality of all its products and services and so in 2011 the company created its own in-house harness assembly, employed a team of experienced staff and made over 3000 vehicle looms. In 2012 production increased, and is able to produce complex auxiliary looms and bespoke power systems.

Dun-Bri Group attained ISO: 9000 in 2012 to give official certification to our procedures and show our focus on quality control. We only use OE products and each customer

has a bespoke system made for them. We can now terminate lamps, produce switch panels as well as whole vehicle looms.

As the only UK specialist supplier of automotive lighting solutions our expertise and experience in this field is second to none so if you have any vehicle lighting engineering questions please give us a call. Bespoke manufacturing is our speciality and we like a challenge.



Telephone 01763 274185  
Fax 01763 274186  
Email [sales@dun-bri.com](mailto:sales@dun-bri.com)  
[www.dun-bri.com](http://www.dun-bri.com)



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# WE'LL TELL YOU WHERE TO STICK THEM

Take the hassle out of connecting the lighting and electrical systems to your vehicles. Ordering a part with one firm and then getting another to fit it costs you time and money. Dun-Bri Fit is the final piece in the jigsaw.

Dun-Bri has always been the leading light in supply with the largest stock and the fastest delivery. Now we are the 'one-stop-shop' - we can supply and fit all our auto-electrical products and systems through a nationwide network of qualified and experienced field engineers. And before you ask here's everything you need to know:

**We cover the whole of the UK** excluding NI via our team of over 75 experienced Dun-Bri Fit engineers.

**How do I book?** Call us on 01763 274185 and we will arrange everything.

**How much does it cost?** We will give you a price based upon the information you give us and this is based upon £60 for the first hour and £45 per hour thereafter.

**Are you cheaper than your competitors?** We don't charge mileage which at the normal rate of 45p per mile can add up.

**What guarantees can you offer and what are your warranties?** All supply and fits of Dun Bri Fit products come with our two year warranty\*



**What products do you supply?** Beacons, light bars, hand wash systems, work lights, invertors...we have over 9500 products in our stock range so we hope to have everything covered.

**How long before you can visit us?** Our fitting 'window' will always be between 3-10 days maximum. When you book, you will be given a date and time dependent upon stock, the complexity of the fit and your location, but we will always arrange a time as soon as possible.

**Are multiple fits available and will discounts apply?** Yes, please speak to our dedicated sales team to discuss.

Telephone 01763 274185 Fax 01763 274186  
Email [sales@dun-bri.com](mailto:sales@dun-bri.com) [www.dun-bri.com](http://www.dun-bri.com)



# Workshop & Electrical







Section 1



## Aerials

### Aerials

#### Part number

	800.157B	Roof Aerial
	800.157C	Rubber Aerial
	365.CG600	Hella Universal Rubber Antenna 350mm Length with 0.42m Cable
	800.157E	Chrome Pillar Aerial
	800.160 800.161A	1m Aerial Extension 4.5m Aerial Extension
	800.158	ISO Power and Speaker Connectors

## Air Brakes

### Air Brake Coils

16 Turn approx 4m working length, 22 Turn approx 5m working length with protection springs  
1/2" BSP Fitting DIN 74323

#### Part number

	1030.801	16 Turn (coil) Red DIN Air Brake Coils
	1030.807	22 Turn (coil) Red DIN Air Brake Coils
	1030.803	16 Turn (coil) Yellow DIN Air Brake Coils
	1030.809	22 Turn (coil) Yellow DIN Air Brake Coils
	1030.807M	22 Turn (coil) Red Metric M22 x 1.5 Fitting Air Brake Coils
	1030.809M	22 Turn (coil) Yellow Metric M22 x 1.5 Fitting Air Brake Coils
	1030.0241	20 Turn Black Air Coil with Red Anti Kink Ends M16 x 1.5 & M18 x 3.5
	1030.0242	20 Turn Black Air Coil with Yellow Anti Kink Ends M16 x 1.5 & M18 x 3.5
	1030.0641	20 Turn Black Air Coil with Red Anti Kink Ends M16 x 1.5 & M18 x 3.5
	1030.0642	20 Turn Black Air Coil with Yellow Anti Kink Ends M16 x 1.5 & M16 x 1.5

## Air Brakes

### Air Brake Couplings

#### Part number

	1035.861 1035.861M	1/2" BSP C Type Male (fits service and emergency line) M22 x 1.5mm C Type Male (fits service and emergency line)
	1035.862 1035.862M	1/2" BSP C Type Female (fits service and emergency line) M22 x 1.5mm C Type Female (fits service and emergency line)
	1035.865 1035.865M	1/2" BSP Male Self Sealing Valve (long) M22 x 1.5mm Male Self Sealing Valve (long)
	1035.866 1035.866M	1/2" BSP Female Self Sealing Valve (short) M22 x 1.5mm Female Self Sealing Valve (short)
	1035.867 1035.867M	Operating Sleeve 1/2" BSP (for female coupling) Operating Sleeve M22 x 1.5mm (for female coupling)
	1035.061M22 1035.062M22	M22 Male Coupling British Standards BSAU138B :2000 M22 Female Coupling British Standards BSAU138B :2000
	1035.065M22 1035.066M22	M22 Male Coupling with Self Sealing Valve BSAU138B :2000 M22 Female Coupling with Self Sealing Valve BSAU138B :2000

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**Air Line Spares**  
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## Assorted Boxes



### Assorted Boxes

#### Part number

1023.A0090 Rack for 10 Trays

1023.A0100 Clear Empty Box



### Blanking Grommets

#### Part number

1023.A0516 120 Blanking Grommets Sizes 8-25mm



### Bonded Seals

#### Part number

1023.A0232 90 Bonded Seals Metric Sizes 10-24mm



### Copper Sealing Washers

#### Part number

1023.A0164 244 Metric Copper Sealing Washers Sizes 5-17.5mm



#### Part number

1023.A0167 90 Metric Copper Sealing Washers Sizes 18-35mm



### Copper Washers

#### Part number

1023.A0165 305 Metric Copper Washers Sizes 5-17mm



#### Part number

1023.A01665 250 Copper Compression Washer Sizes 6 x 10 x 1.5mm to 26 x 32 x 2.5mm

## Assorted Boxes

### Flat Clips

#### Part number

1023.A01850 300 "U" Nuts and "J" Nut sizes 6-14mm Zinc Plated



### Flat Washers and Spring Washers

#### Part number

1023.A0148 800 Type C Flat Metric Washers Sizes 5-20mm Zinc Plated

1023.A0151 800 Heavy Duty Spring Washers 3/16" to 1/2"



### Fuses and Terminals

#### Part number

1023.A02220 80 Standard Blade Fuses Contains 3-30 Amp

1023.A02240 100 Mini Blade Fuses 2-30 Amp



#### Part number

1023.A02250 300 Pre-Insulated Terminals Red, Blue and Yellow



### Grease Nipples

#### Part number

1023.A0250 121 Imperial Grease Nipples Sizes UNF and BSP Straight and Angled



#### Part number

1023.A0251 135 Metric Grease Nipples Straight and Angled Zinc Plated



### Heat Shrink

#### Part number

877.72878 95 Piece Heat Shrink Assortment  
3.2mm dia. tubes: 40 each x black, 10 each x blue, yellow and red  
6.5mm dia. tubes: 10 x black, 5 each x blue, yellow and red





## Assorted Boxes



### Nyloc Nuts

#### Part number

1023.A0147 220 Metric Nyloc Nuts P Type DIN 982 Sizes 5-12mm Zinc Plated



### O' Rings

#### Part number

1023.A0229 404 Metric O Ring Kit Yellow Peg Type Box Sizes 3-44mm ID



### Pins and Circlips

#### Part number

1023.A0170 1000 Small Split Pins Sizes 1/16" x 1" to 5/32" x 15/8" Zinc Plated



1023.A0171

220 Large Split Pins Sizes 1/8" x 1/2" to 5/16" x 3" Zinc Plated



1023.A0172

175 Clevis Pins Sizes 3/16" x 5/8" to 3/8" x 11/4" Zinc Plated



1023.A0174

300 Metric Spring Roll Pins 2.5 x 24mm to 8 x 55mm



1023.A0180

250 Internal Circlips Sizes 12-25mm DIN472



1023.A0181

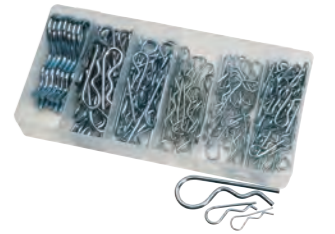
250 External Circlips Sizes 12-25mm DIN471

## Assorted Boxes

### R-Clips

#### Part number

877.56376 150 Piece R-Clip Assortment  
8 off 3.8 x 75mm; 20 off 3.2 x 45mm;  
25 off 2.3 x 40mm; 25 off 1.6 x 40mm;  
30 off 1.6 x 32mm; 42 off 2.0 x 50mm



### Self Tapping Screws

#### Part number

1023.A0113 700 Pozi Pan Self Tappers Small Sizes 4-10  
Zinc Plated Type AB. BS4174



1023.A0114

330 Pozi Pan Self Tappers Large Sizes 8-14  
Zinc Plated  
Zinc Plated Type AB. BS4174



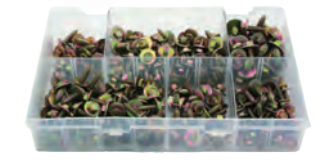
1023.A01160

700 Pozi Flanged Head Self Tappers Small  
Sizes 6-10 Black Plated  
Type AB. BS4174



1023.A01170

255 Hex Headed and Acme Screws Sizes 8-14  
Zinc Plated



### Set Screws and Fasteners

#### Part number

1023.A01330 HT Set Screw - Metric Fine Sizes 5 - 10mm DIN 961



1023.A01430

Steel Nuts - Metric Fine Sizes 5 - 10mm DIN 961



## Assorted Boxes



**1023.A0132** 150 Metric Set Screws Sizes 5-10mm Zinc Plated BS3692

**1023.A0204** 120 Metric Socket Cap Screws Sizes 5 x 10mm to 10 x 30mm



### Shake Proof Washers

**Part number**

**1023.A0156** 1000 Shakeproof Washers Sizes 3/16" to 1/2" Zinc Plated



### Springs

**Part number**

**1023.A0511** 70 Expansion Springs Zinc Plated

### Sump Plug Washers

**Part number**

**1023.A01660** 250 Sump Washers:  
Ford, Vauxhall, Rover, BMW, Peugeot, Citroen, Renault



**1023.A01661** 200 Sump Plug Washers:  
Ford, Vauxhall, Rover



**1023.A01662** 200 Sump Plug Washers:  
Peugeot, Citroen, VW, BMW, Volvo, Honda, Toyota



### Wiring Grommets

**Part number**

**1023.A0515** 120 Wiring Grommets Sizes 6-16mm



## Batteries

### Duracell

**Part number**

**800.064** Size C 1.5v (Pack of 2)  
**800.068/2** Size D 1.5v (Pack of 2)  
**800.070/4** Size AA 1.5v (Pack of 4)  
**800.071** Size 9V 9v (Pack of 1)  
**800.076/4** Size AAA 1.5v (Pack of 4)  
**800.089** Size AAAA (Pack of 2)



### Lantern Batteries

**Part number**

**800.072HD** 6v Size 996 Lantern Battery



**800.073** Plug in Rechargeable Lantern Battery  
6v Size 996, Mains Rechargeable  
Fits all Lanterns



### Lithium Coins

**Part number**

**999.CR2016** 3v Lithium CR2016



**999.CR2025** 3v Lithium CR2025



**999.CR2032** 3v Lithium CR2032



# Battery Chargers/Starters

## Battery Chargers

AccuMate V is a versatile, 4-step, automatic charger and maintainer for sealed and filler cap 12v lead-acid batteries used in cruiser and touring motorcycles and sports cars. AccuMate V will charge and maintain any size battery, although best suited to batteries of capacity 7Ah to 90Ah.

For larger batteries use 996.AMP12/24

Fully automatic \*Comprehensive and intelligent LED indicators\* AC Power On \*wrong polarity connection\* \*Charging\* Storage/maintaining (Charge completed)

No risk of over charging, No risk of over heating safe and fool proof.

Circuit protected without fuses and spark generation is suppressed.

### Part number

996.AG1800/12 Accurguard 1800 12v Automatic Battery Charger

AccuMate PRO 12v-24v is a versatile automatic charger for lead acid and deep cycle batteries of minimum 17Ah (12v) or 9Ah (24v)

Fully automatic\* Comprehensive and intelligent LED indicators\* AC Power On \*wrong polarity connection\* \*Charging\* Storage/maintaining (Charge completed)

No risk of over charging, No risk of over heating safe and fool proof.

Circuit protected without fuses and spark generation is suppressed.

### Part number

996.AMP12/24 AccuMate PRO 12v (7A)-24v(3.5A) Automatic Battery Charger

## Battery to Battery Chargers

Input voltage 11-15vdc Output voltage 28v dc

Overload protected (External Fuse), Polarity protected (External Fuses) High Temperature protected, Short circuit protected (External Fuse)

Efficiency 90%

A Low Power Control Wire has been included to Start and Stop the Chargers, reducing the need for High Current On/Off Switches.

### Part number

251.ABM12D12CH 12-24v Lead Acid Battery Charger

Input voltage 18-30 vdc Output voltage 14v dc

Overload protected, Polarity protected (External Fuses)

High Temperature protected, Short circuit protected

Efficiency 90%

### Part number

251.ABM2412CH 24-12v 15 amp Step Down Battery Charger  
 251.ABM2412CH/30 24-12v 30 amp Step Down Battery Charger  
 251.ABM2412CH/45 24-12v 45 amp Step Down Battery Charger  
 251.ABM2412CH/60 24-12v 60 amp Step Down Battery Charger

# Battery Chargers/Starters

## SmartChargerPro

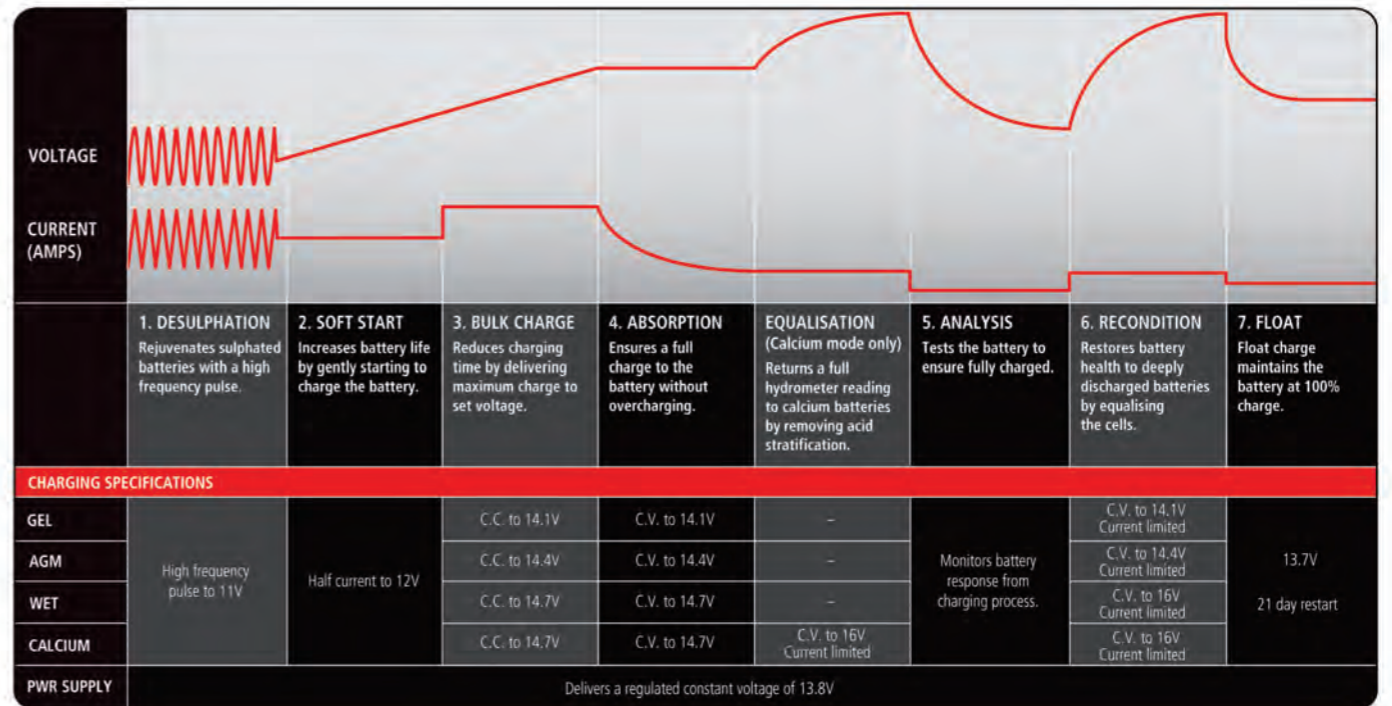
### Battery Chargers

World Class 7-stage technology with multi chemistry charging, SmartCharge Pro maximises your battery's performance and life. Available 7 up to 50 Amps and boasting power supply, recondition and adjustable output on selected models.

Designed to use on all types of battery's including Gel, AGM, Wet and Calcium.

The chargers are full automatic and protect your battery from being overcharged allowing you to leave the charger connected indefinitely. They are also safe to use on batteries still connected to the vehicle without damaging sensitive vehicle electronics.

The seven stage charging.



Part No.	RSCP7	RSCP10	RSCP15	RSCP25	RSCP35	RSCP50	RSCP80024
Type	7 Stage	7 Stage	7 Stage	7 Stage	7 Stage	7 Stage	7 Stage
Input (Nominal)	240VAC, 50Hz	240VAC, 50Hz	240VAC, 50Hz	240VAC, 50Hz	240VAC, 50Hz	240VAC, 50Hz	240VAC, 50Hz
Input Power	218W	288W	408W	792W	1080W	1488W	480W
Output Voltage	12V	12V	12V	12V	12V	12V	24V
Output Current	10A	15A	2.6, 12, 25A	2.6, 12, 25A	2.6, 12, 25, 50A	2.6, 12, 25, 50A	2.4, 6, 8A
Min Start Voltage	2.5V	2.5V	2.5V	2.5V	2.5V	2.5V	4.5V
Back Drain	1mA	1mA	1mA	1mA	1mA	1mA	1mA
CHARGE CONTROL							
Desulphation High Frequency Pulse Charge up to 11V							
Soft Start	3.5A up to 12V	5.0A up to 12V	7.5A up to 12V	Half the rated set current up to 12V	Half the rated set current up to 12V	Half the rated set current up to 12V	Half the rated set current up to 12V
Bulk	7A up to: 14.1V (GEL) 14.4V (AGM) 14.7V (WET) 14.7V (CALCIUM)	10A up to: 14.1V (GEL) 14.4V (AGM) 14.7V (WET) 14.7V (CALCIUM)	15A up to: 14.1V (GEL) 14.4V (AGM) 14.7V (WET) 14.7V (CALCIUM)	Constant current (2.2A) up to 16V then hold for 1 hour or 12 hour timeout	Constant current (2.0A) up to 16V then hold for 1 hour or 12 hour timeout	Constant current (2.0A) up to 16V then hold for 1 hour or 12 hour timeout	Constant current (2.0A) up to 16V then hold for 1 hour or 12 hour timeout
	Constant voltage until current drops to 1.05A	Constant voltage until current drops to 1.5A	Constant voltage until current drops to 2.25A	Constant voltage until current drops to: 2 Amp setting: 0.3A 6 Amp setting: 0.9A 12 Amp setting: 1.8A 25 Amp setting: 3.75A	Constant voltage until current drops to: 2 Amp setting: 0.3A 6 Amp setting: 0.9A 12 Amp setting: 1.8A 25 Amp setting: 3.75A	Constant voltage until current drops to: 2 Amp setting: 0.3A 6 Amp setting: 0.9A 12 Amp setting: 1.8A 25 Amp setting: 3.75A	Constant voltage until current drops to: 2 Amp setting: 0.3A 6 Amp setting: 0.9A 12 Amp setting: 1.8A 25 Amp setting: 3.75A
Absorption	Constant current (2.0A) up to 16V then hold for 1 hour or 12 hour timeout	Constant current (2.0A) up to 16V then hold for 1 hour or 12 hour timeout	Constant current (2.2A) up to 16V then hold for 1 hour or 12 hour timeout	Constant current (2.0A) up to 16V then hold for 1 hour or 12 hour timeout	Constant current (2.0A) up to 16V then hold for 1 hour or 12 hour timeout	Constant current (2.0A) up to 16V then hold for 1 hour or 12 hour timeout	Constant current (2.0A) up to 16V then hold for 1 hour or 12 hour timeout
Equalization (Calcium mode only)	Constant current (1.05A) limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)	Constant current (1.5A) for 4 hours limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)	Constant current (2.25A) for 4 hours limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)	Constant current (0.3-3.75A) for 4 hours limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)	Constant current (0.3-3.75A) for 4 hours limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)	Constant current (0.3-3.75A) for 4 hours limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)	Constant current (0.3-3.2A) for 4 hours limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)
Analysis	Monitors battery for 90 sec						
Recondition	Constant current (1.05A) limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)	Constant current (1.5A) for 4 hours limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)	Constant current (2.25A) for 4 hours limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)	Constant current (0.3-3.75A) for 4 hours limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)	Constant current (0.3-3.75A) for 4 hours limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)	Constant current (0.3-3.75A) for 4 hours limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)	Constant current (0.3-3.2A) for 4 hours limited to: 14.1V (GEL) 14.4V (AGM) 16V (WET) 16V (CALCIUM)
Float	13.7V	13.7V	13.7V	13.7V	13.7V	13.7V	27.4V
POWER SUPPLY							
Set Voltage	13.8VDC	13.8VDC	13.8VDC	13.8VDC	13.8VDC	13.8VDC	27.8VDC
Max Current	7A	10A	15A	25A	35A	50A	8A
BATTERY RANGE							
Deep Cycle	50-140Ah	70-200Ah	85-300Ah	14-500Ah	14-700Ah	14-1000Ah	14-160Ah
Automotive	300-800CCA	450-1000CCA	465-2000CCA	80-3000CCA	80-4000CCA	80-6000CCA	80-1000CCA
Marine	350-900MCA	500-1200MCA	600-2500MCA	110-4200MCA	110-5800MCA	110-8100MCA	110-1300MCA
Types of Batteries							
Size (mm)	182 x 61 x 108	220 x 61 x 108	252 x 61 x 108	248 x 86 x 176	248 x 86 x 176	248 x 86 x 176	248 x 86 x 176
Weight	0.95 Kg	1.15 Kg	1.25 Kg	2.0 Kg	2.6 Kg	3.0 Kg	1.8 Kg



### Part number

307.RSCP7 Remote control for 25A, 35A, 50A and 8A - 24

307.RSCP10 12V 7A  
 307.RSCP15 12V 10A  
 307.RSCP25 12V 15A  
 307.RSCP35 12V 25A  
 307.RSCP50 12V 35A  
 307.RSCP80024 12V 50A 24V 8A

## Battery Chargers/Starters

Professional battery chargers/starters to provide fast effective charging and jump starting.

Outputs for 12V and 24V batteries.

Selectable charging and jump start functions.

Multiple charge rate settings.

Fully insulated high capacity battery clamps.

Rugged metal castings and transport handles.

Easy to read charging and current displays.

Thermal and overload protection.

240v Input.



### Part number

**307.RCBT30** 30 Amp, 12/24v Bench Charger 150 Amp Engine Start  
42A Charge (peak)  
30A Charge (Rms)  
180A Jump Start (peak)  
150A Jump Start (Rms)



### Part number

**307.RCBT35** 35 Amp, 12/24v Bench Charger 180 Amp Engine Start  
50A Charge (peak)  
35A Charge (Rms)  
240A Jump Start (peak)  
180A Jump Start (Rms)



### Part number

**307.RCBT40T** 40 Amp, 12/24v Trolley Charger 280 Amp Engine Start  
55A Charge (peak)  
40A Charge (Rms)  
400A Jump Start (peak)  
280A Jump Start (Rms)



### Part number

**307.RCBT55T** 55 Amp, 12/24v Trolley Charger 420 Amp Engine Start  
55A Charge (peak)  
55A Charge (Rms)  
600A Jump Start (peak)  
420A Jump Start (Rms)

## Battery Chargers/Starters

### Battery Jump Starters

Tradestart professional power packs are able to provide multiple, high capacity jump starts in the most demanding of environments. The packs feature high capacity AGM batteries, some of which use 'pure lead' technology, widely used in aviation and military applications for their proven reliability and long service life. Ideal for car and commercial fleet operators, service engineers and agriculture.



Specification	996.RPP3200		996.MR26	307.RPPM40000		307.RPPM3000	
Voltage	12v	24v	12v	12v	24v	12v	24v
Peak Amps	2400A	3200A	2400A	4000A	2000A	300A	1500A
Cranking Amps (Pulse)	1100A	1100A	1100A	1500A	800A	1200A	600A
Cold Cranking Amps	370A	370A	370A	620A	310A	550A	225A
Battery Size	2 x 26Ah		1 x 26Ah	2 x 25Ah		2 x 22Ah	
Battery Type	Pure Lead AGM		Pure Lead AGM	Spiral AGM		HD SLA	
Battery max shelf life (fully charged to flat)	2 years		2 years	10 Months		9 Months	
Battery typical service life (when maintained & charged correctly)	up to 10 years		up to 10 years	up to 8 years		up to 4 years	
Starting Ability: -12V Petrol Engines -12V Diesel Engines -24V Diesel Engines	up to 7 litres up to 3.5 litres up to 14 litres		up to 7 litres up to 3.5 litres -	up to 12 litres up to 9 litres up to 7 litres		up to 10 litres up to 7.5 litres up to 5.5 litres	
Charge Time From Flat	5.5 hrs to 95%		6.5 hrs to 95%	11.5 hrs to 95%		10.5 hrs to 95%	
Charger Specification	10Amp, 12v		4Amp, 12v	4Amp, 12v		4Amp, 12v	
Cable Length/Gauge	2 Metre 50mm <sup>2</sup>		2 Metre 25mm <sup>2</sup>	1.5 Metre 35mm <sup>2</sup>		1.1 Metre 35mm <sup>2</sup>	
Pack Weight	24kg		12kg	33kg		19kg	

### HD SLA

A high capacity sealed lead acid battery which uses AGM technology to provide a powerful starting battery.

### Spiral AGM

A spiral wound AGM technology battery combining optimum starting performance with low self-discharge and long service life.

### Pure LED AGM

AGM battery which uses pure lead technology to provide high cranking ability even in cold temperatures. These batteries provide the longest service and shelf life available.

## Battery Croc Clips and Terminals



Looking for:  
**Battery Isolating Switch**  
go to *Page 1.158*



Looking for:  
**Battery Hydrometer**  
go to *Page 1.191*

### Battery Croc Clips

#### Part number

585.005	5 amp Croc Clip 1 Pair
585.025	25 amp Croc Clip 1 Pair
585.150 585.150R	150 amp Black Handled Clip 150 amp Red Handled Clip
586.600 585.600R	600 amp Black Handled Clip 600 amp Red Handled Clip

### Battery Terminals

#### Part number

555.001	8.9mm Drilled + Battery Terminal Cable Size 25mm <sup>2</sup>
555.002	8.9mm Drilled - Battery Terminal Cable Size 25mm <sup>2</sup>
555.003	11.1mm Drilled + Battery Terminal Cable Size 60mm <sup>2</sup>
555.004	11.1mm Drilled - Battery Terminal Cable Size 60mm <sup>2</sup>
555.005	14.3mm Drilled + Battery Terminal Cable Size 70mm <sup>2</sup>
555.006	14.3mm Drilled - Battery Terminal Cable Size 70mm <sup>2</sup>
555.007 555.008	Positive Ford Cargo Type Butterfly Nut Terminal Cable Size 25-50mm Negative Ford Cargo Type Butterfly Nut Terminal Cable Size 25-50mm
555.014 555.015	Black PVC Straight Battery Terminal Cover 50-70mm Red PVC Straight Battery Terminal Cover 50-70mm

### Battery Spares

#### Part number

800.039	Battery Retaining Bar
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### Battery Consumables

#### Part number

810.055	400ml Battery Terminal Protector Protects against corrosion and moisture Lubricates fork lift truck chains
810.073.	1 Litre Battery Topping Up Fluid
810.074.	5 Litre Battery Topping Up Fluid
810.075A	25 Litre Battery Topping Up Fluid (Local delivery only)

## Battery Protection

### Battery Testing

Microprocessor controlled testing without loading the battery  
Scrolling alpha-numeric LED display  
Test batteries in or out of the vehicle

Selectable battery capacity & rating system  
Reverse polarity protection

#### Part number

307.RBA50	12v Digital Battery Tester
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### Battery Hydrometer

For testing density of battery electrolyte. With glass tube, PVC bulb and spout.

#### Part number

877.61792	Battery Hydrometer
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#### 800.033

Heavy Duty Battery Hydrometer designed for large automotive lead acid batteries

#### 800.035

Discharge tester for use on 6 and 12v lead acid batteries, up to 120amps hours, discharging them at 275 amps @ 8v. Legs adjust to most sizes of batteries.

Voltage surges that cannot be absorbed through the battery can cause damage during jump starts, welding and work on the vehicle electronics.  
Surge Protector clips across the battery terminals to absorb voltage surges.  
LED's indicate correct function  
Sound alarm alerts user if a problem occurs.

#### Part number

580.001	12/24v Surge Protector
---------	------------------------

In modern vehicles, various electronics have codes or electronically stored settings. You can lose these codes when the battery is disconnected.  
MEMORYSAFE solves this problem by providing a 2 amp dc power supply direct to the battery leads.

#### Part number

580.003	12v Memory Safe
580.004	24v Memory Safe

### 12v Battery Electrical System Analyser

Multi-function testing of battery, alternator, starter and earth  
Multiprocessor controlled testing without loading the battery  
Backlit LCD screen  
Charge removal feature  
Robust storage case  
Velcro cord storage and carry strap

Selectable battery capacity and rating system  
Test batteries in or out of the vehicle  
Reverse polarity protection  
Includes software disc to allow report printing via PC

#### Part number

307.RBA600	12v Battery Electrical System Analyser
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## Battery Protection

### Battery Booster Cables



#### Part number

877.51875	5m 25mm sq Booster Cables
580.010	5m 35mm sq Booster Cables
580.011	5m 40mm sq Booster Cables
580.015	5m 50mm sq Booster Cables
580.016	5m 70mm sq Booster Cables

### Drivers Mate Keyless Running System



This unit will allow the engine to keep running while the key is removed from the ignition, thereby ensuring there is sufficient power to use Beacons, Accessories, Tail Lifts etc. without danger of battery discharge. On re-entering the cab the key must be re-inserted. If not and the handbrake, footbrake or clutch is operated the engine will cut out immediately.

When fitted simply connect all circuits. Start engine and with handbrake on and the clutch and footbrake in the normal off position. Press the red button on the unit, the microprocessor in the unit reads and records the vehicle settings and registers them as the norm. When activated, if these settings change the unit cuts the engine off.

- 3 circuit monitoring
- Momentary dash mounted switch to activate the unit
- Solid state encapsulated electronics to protect against dust and moisture
- Microprocessor controlled
- Self adjusted to individual vehicle

#### Part number

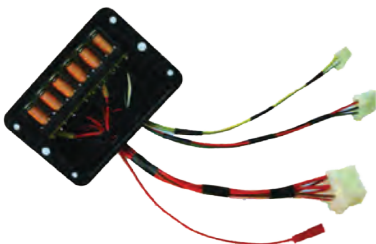
257.035	12v Drivers Mate
257.030	24v Drivers Mate

### Keyless Running System

System which allows the vehicle engine to continue running after the ignition key is removed. With anti-theft stalling feature

#### Part number

300.100333	12v Keyless Running System
300.100334	24v Keyless Running Systems



**BUY YOUR 'ON-SITE' WARRANTY & FITTING SERVICES NOW**

Telephone 01763 274185.



## Battery Management Systems

### Priority Start Automatic Battery Protector

- Handles up to 1000 amps
- Temp Range:-40 to +85 Degree C
- Monitors battery voltage and disconnects automatically at a predefined low voltage level
- Essential low drain circuits can remain connected
- Does not depend on the operator or driver being present
- Automatically reconnects when ignition key or other electrical device is turned on
- Protects electronics from battery terminal sparking
- Maintenance free

#### Part number

996.PS/12v	12v Priority Start Automatic Battery Protector
996.PS/24v	24v Priority Start Automatic Battery Protector (suitable for engines with up to 1000 amps starting current only)



### Start Guard

- The Start Guard constantly monitors the battery voltage
- If the voltage drops below a predetermined level the unit will tell the operator by means of a real speech alarm that they must restart the engine. If the engine is not started the unit will cut the power to the tail lift. When the engine is started the power is automatically restored.
- Alarm says "Battery low please start the engine"

#### Part number

257.002/12v	12v Tail Lift Start Guard and Talking Alarm
257.003/24v	24v Tail Lift Start Guard and Talking Alarm



### 150A Battery Monitor and Tail Lift Control

This Unit was designed for use with Tail Lifts Controllers. The Unit monitors the Battery Voltage. Once the Battery Voltage has dropped below the predetermined minimum level (see table) for more than 30 seconds the Lamp flashes and the Piezo sounds.

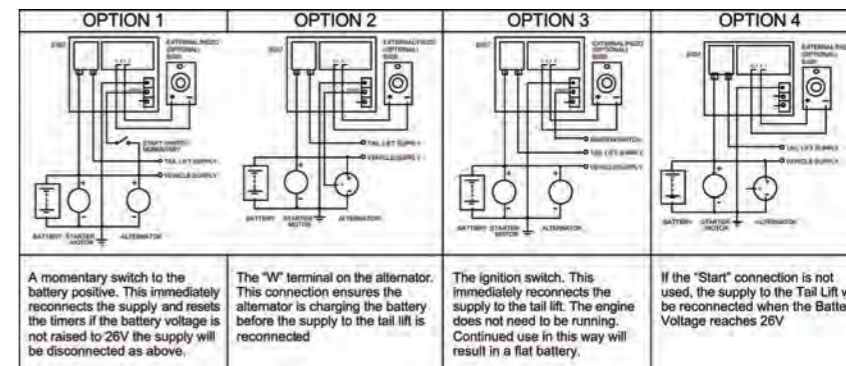
If the Battery Voltage is not raised to an acceptable level (see table) within 2 minutes, the Solenoid operates to disconnect the supply for 4 minutes. During this period the Lamp and Piezo remain on continuously.

This 2 minutes, four minutes cycle is repeated until the Battery Voltage is raised to an acceptable level (see table).

A "Start" connection is provided, which reconnects the supply and resets the Timers. This can be activated by one of four methods - wiring diagrams are supplied with the Unit.

#### Part number

259.036	12v 150A Battery Monitor and Tail Lift Control
259.037	24v 150A Battery Monitor and Tail Lift Control



# Battery Management Systems

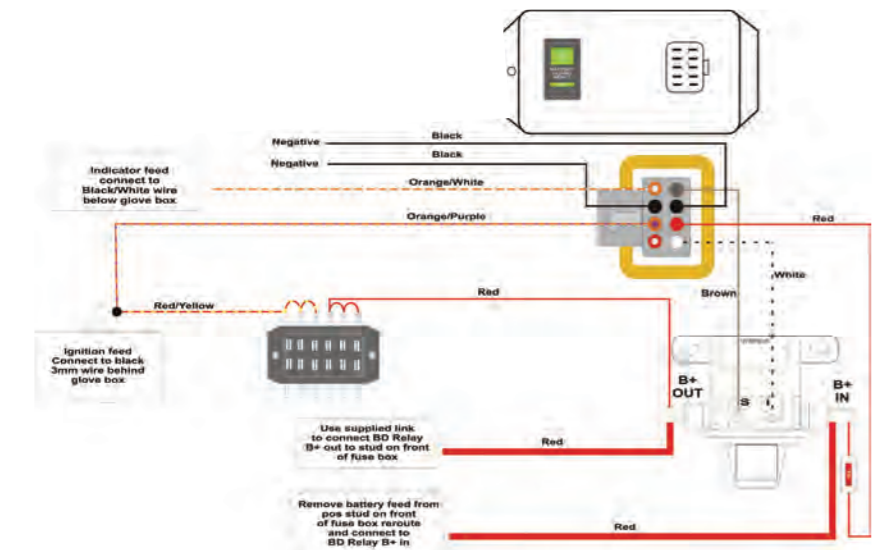
## Battery Protection

### 12v Dun-Bri Battery Guard

- Monitors battery voltage and disconnects automatically at a predefined low voltage level
- Essential low drain circuits can remain connected
- Does not depend on the operator or driver being present
- Automatically reconnects when ignition key or other electrical device is turned on
- Protects electronics from battery terminal sparking
- Maintenance Free
- Built in reset switch and ignition outputs

### Part number

252.K0101 12v 100A Battery Guard Type 2000



## Power Protectors

The Power Protectors constantly monitors the battery voltage and warns if the voltage drops below a predetermined level. If the vehicle's ignition is on, the Power Protector will constantly warn the driver without automatically disconnecting all circuits passed through it. If the ignition is off, the Power Protector will automatically disconnect all circuits passed through it after 1 minute from the warning.

### Part number

- 257.031 12v Power Protectors with Buzzer and Remote Isolation
- 257.033 24v Power Protectors with Buzzer and Remote Isolation
- 257.032 24v Power Protectors with Audible Warning and Remote Isolation
- 257.034 12v Power Protectors with Audible Warning and Remote Isolation



## Intelligent Split Charge Relay

### Split Charge Devices

### Part number

- 257.004/12v 12v 70 amp Intelligent Split Charge Device
- 257.005/12v 12v 200 amp Intelligent Split Charge Device
- 257.006/24v 24v 50 amp Intelligent Split Charge Device
- 257.007/24v 24v 100 amp Intelligent Split Charge Device



# Battery Management Systems

## 200A Battery Management Unit

This unit was designed to monitor the voltage of a battery and connect or disconnect a load of up to 200A. When the battery voltage is above the Switch "On" voltage (13v) the load is connected to the battery. When the battery voltage drops below the Switch "Off" voltage (12.5v) after a short delay the load is disconnected. The Unit then switches to low power mode until the battery is recharged and the voltage rises above the Switch "On" voltage, then the load is reconnected to the battery.

An override pin allows the load to be connected\* for emergency use only. To reduce power consumption to a minimum (10mA "On", < 1mA "Off") a latching contactor is used. When the contactor is "On" the coil is pulsed to ensure it remains on. When the contactor is "Off" the coil is pulsed for approx. 2 minutes before the unit goes to low power mode. The Switch "On" and Switch "Off" voltages are factory set but can be adjusted by the customer.

An internal light emitting diode (led) is used as a multipurpose indicator:

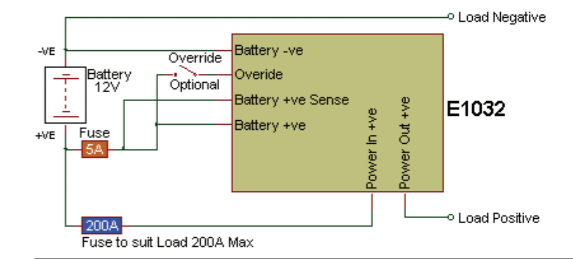
1. Led on - the units output is pulsing the contactors coil "On"
2. Led off - the unit is in low power mode
3. Led flashes each time the contactor coil is pulsed
4. Aids setting of the switch "On" and "Off" voltages

### \*Note:

1. If the override facility is used and the battery voltage drops below 11.0v the Contactor will not disconnect the load. When power is applied to the override pin there may be a delay of up to 25 seconds before the Contactor switches.
2. Before connecting to the power terminals check the Contactor contacts are open. If they are closed apply power to the "Battery -ve" and "Battery +ve" terminals, the Contactor contacts should open.

### Part number

- 259.1032 12v 200A Battery Management Unit
- 259.1045 24v 200A Battery Management Unit



NOTE: THE AVERAGE SUPPLY CURRENT IS ONLY 10mA BUT THERE ARE CURRENT PULSES OF OVER 2A. PLEASE USE SUITABLY RATED CABLE FOR BOTH BATTERY +VE AND -VE SUPPLY LEADS TO MINIMISE VOLTAGE DROPS AND ENSURE CORRECT OPERATION OF THE UNIT. THE THREE BATTERY CABLES MUST BE WIRED DIRECTLY TO THE BATTERY TERMINALS

## 200A Split Charge Controller

This unit was designed to control the charging of a secondary (leisure) battery from the primary charging system. The voltage of the primary battery is monitored.

During charging when its voltage rises above the Switch "On" voltage (26v) then the secondary battery is connected in parallel thus charging both batteries.

After charging when the primary battery voltage drops below the Switch "Off" voltage (25v) and after a short delay then the secondary battery is disconnected, leaving enough charge in the primary battery to start the engine.

The unit switches to low power mode until the primary battery is recharged and the voltage again rises above the Switch "On" voltage then the secondary battery is connected in parallel again charging both batteries.

An override pin allows both batteries to be connected for emergency use only. To reduce power consumption to a minimum (10mA "On", < 1mA "Off") a latching contactor is used.

When the contactor is "On" the coil is pulsed to ensure it remains on. When the contactor is "Off" the coil is pulsed for approx. 2 minutes before the unit goes to low power mode.

The Switch "On" and Switch "Off" voltages are factory set but can be adjusted by the customer. An internal light emitting diode (led) is used as a multipurpose indicator:

1. LED on - the units output is pulsing the contactors coil "On"
2. LED off - the unit is in low power model
3. LED flashes each time the contactor coil is pulsed
4. Aids setting of the switch "On" and "Off" voltages

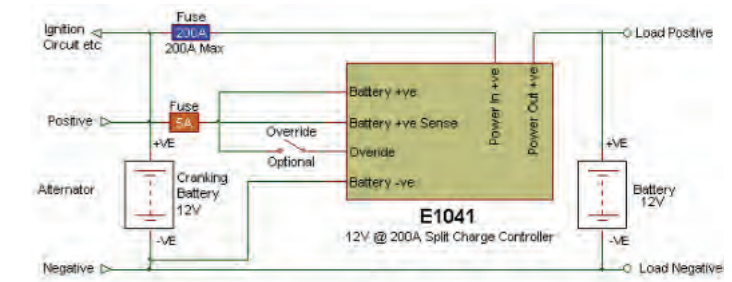
Note: If the override facility is used and the battery voltage drops below 18.0v the contactor will not disconnect the load.

When power is applied to the override pin there may be a delay of up to 25 seconds before the contactor switches.

Before connecting to the power terminals check the contactor contacts are open. If they are closed apply power to the "Battery -ve" and "Battery +ve" terminals the contactor contacts should open.

### Part number

- 259.1041 12v 200A Split Charge Controller
- 259.1042 24v 200A Split Charge Controller



NOTE: THE AVERAGE SUPPLY CURRENT IS ONLY 10mA BUT THERE ARE CURRENT PULSES OF OVER 2A. PLEASE USE SUITABLY RATED CABLE FOR ALL CONTROL LEADS TO MINIMISE VOLTAGE DROPS AND ENSURE CORRECT OPERATION OF THE UNIT.

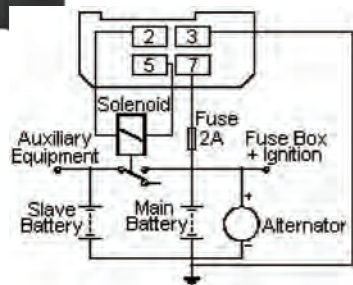
## Battery Management Systems

### Split Charge Control

This Electronic Controlled Pack stops the Battery Equalizing Effect experienced under Low Charge Conditions or Faulty Battery Situations often experienced with the use of Relay Based systems.

#### Part number

259.039	12v Split Charge Control
259.038	24v Split Charge Control



### Extra Heavy Duty Make and Break 2 x 6.3mm Terminal and 2 x M6 Studs

#### Part number

255.200/12v	12v 200A
255.100/24v	24v 200A

### 30V 60A Surge Protector

This unit was designed to protect delicate electronic equipment connected to a generator / battery system from voltage spikes. The unit is fitted between the generator and the battery.

In normal use the unit acts like a very low value resistor with a typical voltage drop of 0.21v at 60A and will not affect the charging of the battery.

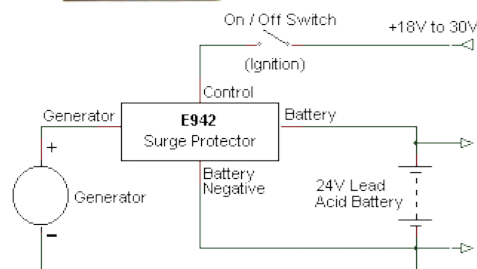
If there is a fault in the generator and the generator's output voltage rises above 30v the unit will limit the output voltage to 30v.

Note:

Keep battery positive connection as short as possible Connect the battery negative cable to the battery terminal.

#### Part number

259.942	30v 60A Surge Protector
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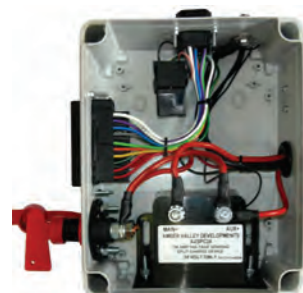


### Power Control Systems

Multi function prewired Power centre aimed at new builds and conversions. Includes volt sensing, split charge, master cut-off switch, through wall multi blade fuse holder and loom plug socket. We can adapt or re-design for specific applications - will save hours of installation time.

#### Part number

257.040	12v Power Control Systems
257.041	24v Power Control Systems Loom Socket



## Battery Terminals

### Flared End Copper Tube Terminals Crimp or Solder

#### Part number

Starter Terminal packed in 10's

Solder Type	Crimp Type	Cable Size	Hole Size
	551.0606/10	6mm sq.	6mm
	551.0608/10	6mm sq.	8mm
551.1006/10	551.1006C/10	10mm sq.	6mm
551.1008/10	551.1008C/10	10mm sq.	8mm
551.1010/10	551.1010C/10	10mm sq.	10mm
551.1012/10	551.1012C/10	10mm sq.	12mm
551.1606/10	551.1606C/10	16mm sq.	6mm
551.1608/10	551.1608C/10	16mm sq.	8mm
551.1610/10	551.1610C/10	16mm sq.	10mm
551.1612/10	551.1612C/10	16mm sq.	12mm
551.2506/10	551.2506C/10	25mm sq.	6mm
551.2508/10	551.2508C/10	25mm sq.	8mm
551.2510/10	551.2510C/10	25mm sq.	10mm
551.2512/10	551.2512C/10	25mm sq.	12mm
551.3506/10	551.3506C/10	35mm sq.	6mm
551.3508/10	551.3508C/10	35mm sq.	8mm
551.35105/10		35mm sq.	9.5mm
551.3510/10	551.3510C/10	35mm sq.	10mm
551.3512/10	551.3512C/10	35mm sq.	12mm
551.5006/10		50mm sq.	6mm
551.5008/10	551.5008C/10	50mm sq.	8mm
551.5010/10	551.5010C/10	50mm sq.	10mm
551.5012/10	551.5012C/10	50mm sq.	12mm
551.7008/10	551.7008C/10	70mm sq.	8mm
551.7010/10	551.7010C/10	70mm sq.	10mm
551.7012/10	551.7012C/10	70mm sq.	12mm
551.9510/10	551.9510C/10	95mm sq.	10mm
551.9512/10	551.9512C/10	95mm sq.	12mm
551.9514/10		95mm sq.	14mm



Solder Type



Crimp Type

551.1000/10	10mm sq. Cable Size Straight Connector
551.2500/10	25mm sq. Cable Size Straight Connector
551.3500/10	35mm sq. Cable Size Straight Connector
551.5000/10	50mm sq. Cable Size Straight Connector
551.7000/10	70mm sq. Cable Size Straight Connector





# Bulbs



## Halogen Headlamp/Beacon H1

Part number		Pk Qty
100.448	12v 55w H1	1
1002.448S	12v 55w H1 Osram OE	1
1002.448SVS	12v 55w H1 Osram 50% More Light	1
1003.448LL	12v 55w H1 Osram Longlife	1
100.448CB	12v 55w H1 Cobalt Blue	1
100.466	24v 70w H1	1
100.466CB	24v 70w H1 Cobalt Blue	1
1002.466S	24v 70w H1 Osram OE	1
1003.466HDLL	24v 70w H1 Osram Truckstar 100% More Light	1



## Halogen Headlamp/Aux Lamp H3

Part number		Pk Qty
100.453A	12v 35w H3	1
100.453	12v 55w H3	1
1002.453S	12v 55w H3 Osram OE	1
1003.453NBR	12v 55w H3 Osram Night Breaker 90% More Light	1
1002.453CB	12v 55w H3 Cobalt Blue	1
100.483	12v 100w H3	1
100.489	12v 130w H3	1
100.460CB	24v 70w H3 Cobalt Blue	1
1002.460S	24v 70w H3 Osram OE	1
1003.460HDLL	24v 55w H3 Osram Truckstar 100% More Light	1
100.460	24v 70w H3	1



## Halogen Headlamp H4

Part number		Pk Qty
100.472B	12v 35/35w P43t H4	1
100.472	12v 60/55w P43t H4	1
1002.472S	12v 60/55w P43t H4 Osram OE	1
1002.472S50	12v 60/55w P43t H4 Osram 50% more light	1
1003.472NBR	12v 60/55w P43t H4 Osram Night Breaker 90% More Light	1
1002.472CB	12v 60/55w P43t H4 Cobalt Blue	1
100.484	12v 100/80w P43t H4	1
100.475	24v 75/70w P43t H4	1
1002.475S	24v 75/70w P43t H4 Osram OE	1
1003.475HDLL	24v 75/70w P43t H4 Osram Truckstar 100% More Light	1
100.475R	24v 100/80w P43t H4	1



## Halogen Headlight H7

Part number		Pk Qty
100.499	12v 55w PX22D H7	1
1002.499S	12v 55w PX22D H7 Osram OE	1
1003.499NBR	12v 55w PX22D H7 Osram Night Breaker 90% More Light	1
1003.499LL	12v 55w PX22D H7 Osram Longlife	1
100.499A	24v 70w PX26D H7	1
1002.499AS	24v 70w PX26D H7 Osram OE	1
1003.499AHDLL	24v 70w PX26D H7 Osram Truckstar 100% More Light	1
100.499ACB	24v 70w PX26D H7 Cool Blue	1

# Bulbs

## Halogen Headlamp

Part number		Pk Qty
100.9004	12v 65/45w HB1 Straight Base	1
100.9005	12v 60w HB3 Right Angled Base	1
100.9006	12v HB4 51w Right Angled Base	1
100.9007	12v 65/55w Straight Base	1
100.H8	12v 35w H8 Right Angled Base	1
100.H9	12v 65w H9 Angled Base	1
1002.H11	12v 55w H11 Straight Base	1



## HID Headlamp

Part number		Pk Qty
1002.2DR	12/24v 85v 35w P32d-3 Gas Discharge	1
1002.2DS	12/24v 85v 35w P32d-2 Gas Discharge	1



## Dichroic Bulbs

GU5.3

Part number	
100.M249	12v 50w Spot 10°
100.M250	12v 50w Flood 25°
100.M268	12v 20w Spot 10°
100.M269	12v 20w Flood 38°
100.M271	12v 35w Spot 10°
100.M281	12v 35w Flood 38°
100.M258	12v 50w Flood 38°
100.M269/24V	24v 20w Flood 38°



## Tungsten Headlamp

Part number		Pk Qty
100.410	12v 45/40w P45t	1
100.429	24v 55/50w P45t	1



## Halogen Side Lights

Part number		Pk Qty
100.433A	12v 5w BA9s	1
100.433B	12v 10w BA9s	1
100.433	12v 20w BA9s	1
100.434	12v 10w G4 Capsule	1
100.434A	12v 20w G4 Capsule	1
100.M88	24v 20w G4 Capsule	
100.434E	24v 5w G4 Capsule	1
100.434F	24v 10w G4 Capsule	1
1002.64136	12v 21w BAY9s Offset Pin 3893 Osram OE	10
100.433C	12v 6w BAX9s Offset Pin	1
100.433D	12v 21w BAY9s Offset Pin	1
100.433E	24v 21w BAY9s Offset Pin	1
1002.64138	24v 21w BAY9s (Volvo Truck) Osram OE	10

## Festoon Bulbs 6 x 38mm S7

Part number		Pk Qty
100.256	12v 3w 7.2 x 38mm	10
100.257	12v 3w 8 x 30mm	10
100.261	12v 5w 8 x 26mm	10
100.256A	12v 3w 6 x 36mm	10
100.256B	24v 3w 8 x 38mm	10
100.256C	24v 3w 7 x 30mm	10
100.256D	24v 3w 6 x 36mm	10

## Festoon Bulbs 11 x 30mm SV8.5

Part number		Pk Qty
100.269	12v 10w 11 x 30mm	10
100.269A	24v 10w 11 x 30mm	10

## Festoon Bulbs 11 x 35mm SV8.5

Part number		Pk Qty
100.239	12v 5w 11 x 35mm	10
100.272	12v 10w 11 x 35mm	10
100.242	24v 5w 11 x 35mm	10
100.242G	24v 5w 11 x 35mm Green	10
100.653	24v 5w 11 x 35mm	10
100.254	USE 100.239	

## Festoon Bulbs 11 x 42mm SV8.5

Part number		Pk Qty
100.260	24v 6w 11 x 42mm	10

## Festoon Bulbs 15 x 42mm SV8.5

Part number		Pk Qty
100.265A	12v 10w 15.5 x 43mm	10
100.265	12v 10w 15 x 42mm	10
100.267	12v 15w 15 x 42mm	10
100.270	12v 18w 15 x 42mm	10
100.273	12v 21w 15 x 42mm	10
100.274	24v 10w 11 x 42mm	10

## Side Light SCC BA15S Single Contact

Part number		Pk Qty
100.207	12v 5w BA15s	10
1002.207S	12v 5w BA15s Osram OE	10
1003.207LL	12v 5w BA15s Osram Longlife	10
100.245	12v 10w BA15s	10
1002.245S	12v 10w BA15s Osram OE	10
100.149	24v 5w BA15s	10
1002.149S	24v 5w BA15s Osram OE	10
1003.5627LTS	24v 5w BA15s Anti Vibration (Heavy Duty 149) Osram Gold	10
100.248	24v 5w BA15s Heavy Duty	10
100.246	24v 10w BA15s	10
1003.246LL	24v 10w BA15s Osram Longlife	10
1002.246S	24v 10w BA15s Osram OE	10
100.874	28v 7w BA15s	10

## Side Light SBC BA15D Double Contact

Part number		Pk Qty
100.209	12v 5w BA15d	10
100.150	24v 5w BA15d	10
100.247	24v 5w BA15d Heavy Duty	10
1002.150S	24v 5w BA15d Osram OE	10
100.875	28v 7w BA15d	10
100.810	12v 24w BA15d (lead light bulb)	10

## Side/Dash MCC BA9S Small Single Contact

Part number		Pk Qty
100.233	12v 4w BA9s	10
1002.233S	12v 4w BA9s Osram OE	10
100.989	12v 5w BA9s	10
100.249	24v 4w BA9s	10
1002.249S	24v 4w BA9s Osram OE	10
1003.249HDLL	24v 4w BA9s Osram Truckstar 100% More Light	10
100.227	24v 5w BA9s	10

# Bulbs



## Dash BA7S Very Small Single Contact

Part number		Pk Qty
100.281	12v 2w BA7s	10
100.285	24v 1w BA7s	10
100.283	24v 3w BA7s	10



## Mercedes Sprinter Side Mirror Indicator Bulb

Part number		Pk Qty
100.SP1	12v 5w Complete with Fitting	1



## American Style Bulbs

Part number		Pk Qty
100.Z3157A	12v 21/7w Amber with Plastic Base USA Style W2.5x16q	10
100.ZS3156	12v 27w Stop Indicator with Plastic Style USA Style W2.5x16q	10
100.ZS3157	12v 27/7w Stop / Tail with Plastic Base USA Style W2.5x16q	10

## Stop, Tail and Flasher SCC BA15s / BAU15s Single Contact

Part number		Pk Qty
100.382	12v 21w BA15s	10
100.382S	12v 21w BA15s Osram OE	10
100.382Y	12v 21w BA15s Amber	10
100.7507	12v 21w BAU15s Amber (581)	10
100.581	Use 100.7507	
100.241	24v 21w BA15s	10
100.241S	24v 21w BA15s Osram OE	10
100.241HDLL	24v 21w BA15s Osram Truckstar 100% More Light	10
100.290	24v 21w BA15s Heavy Duty	10
100.581A	24v 21w BAU15s Amber	10
100.339	24v 24w BA15s	10
100.345	28v 28w BA15s	10

## Stop, Tail and Flasher SBC BA15d Double Contact

Part number		Pk Qty
100.335	12v 21w BA15d	10
100.344	28v 28w BA15d	10
100.291	24v 21w BA15d Heavy Duty	10
100.346	24v 21w BA15d	10

## Stop, Tail SBC BAY15d / BAZ15d

Part number		Pk Qty
100.380	12v 21/5w BAY15d Offset Pin	10
100.380S	12v 21/5w BAY15d Osram OE Offset Pin	10
100.380LL	12v 21/5w BAY15d Osram Longlife Offset Pin	10
100.381	12v 21/5w BAY15d Offset Pin	10
100.566	12v 21/4w BAY15d Offset Pin	10
100.334	24v 21/5w BAY15d Offset Pin	10
100.334S	24v 21/5w BAY15d Osram OE Offset Pin	10

# Bulbs

## PCB and Capless Bulbs

### BX8.3d

Part number		Pk Qty
100.286TV	12v 1.2w Violet Base BX8.3d	10
100.286TG2	12v 2.0w Light Green Base BX8.3d	10
100.286T8W	12v 2.0w White Base (2722MF8) BX8.3d	10
100.286TF	12v 1.2w Grey Base BX8.3d	10
100.508TV	24v 1.2w Grey Base BX8.3d	10



### BX8.4d

Part number		Pk Qty
100.286TXV	12v 0.36w Violet Base (2322MFX) BX8 4d	10
100.286TM1	12v 0.5w Grey BX8 4d	10
100.286TXBL	12v 1.0w Blue Base (2321MFX) BX8 4d	10
100.286TXDB	12v 1.0w Orange Base (2321MFX) BX8 4d	10
100.286TX60	12v 1.2w Orange Base (2473MFX6) BX8 4d	10
100.286TM2	12v 1.2w Black Base BX8 4d	10
100.286TB	12v 1.5w Beige (2752MF) BX8.4d	10
100.286TM	12v 1.5w Beige Base BX8 4d	10
100.286TM3	12v 2.0w Green Base BX8 4d	10
100.508TVG	24v 1.2w Volvo Green BX8.4d	10



### B8.5d

Part number		Pk Qty
100.286TG	12v 1.2w Green Base B8.5d	10
100.286T	12v 1.2w Black Base B8.5d	10
100.286THZ	12v 1.2w Black Base (2721MFHZ) B8.5d Osram OE	10
100.286TSL	12v 1.2w Black Base (2721MFSL) B8.5d Osram OE	10
100.286TC	12v 1.2w Black Base B8.5d	10
100.286TFT	12v 1.2w Black Base B8.5d Ford Transit	10
100.508T	24v 1.2w Black Base B8.5d	10
100.508T	24v 1.2w Black Base B8.5d Osram OE	10
100.508TBR	24v 1.2w Beige Base B8.5d	10
100.508TBE	24v 1.5w Black Beige (2722MF) B8.5d Osram OE	10



### BAX

Part number		Pk Qty
100.286T6BL	12v 1.2w Light Blue (2351MF6) BAX	10
100.286TVLP	12v 1.8w Blue Base BAX Volvo	10
100.508TVB	24v 1.2w Brown BAX EBSR (Volvo)	10
100.508TY	24v 1.2w Yellow BAX EBSR (Volvo)	10



# Bulbs



## KW2 x 4.6d

Part number		Pk Qty
100.286MTG	12v 0.5w Grey Capless KW2x4.6d	10
100.286MTW	12v 1.2w White Capless KW2x4.6d	10
100.508MTW	24v 1.2w White Base KW2x4.6d	10
100.512TR10	12v 2.6w 10mm White Base B12.9d (Mondeo)	10
100.513TR10	24v 2w 10mm Black Base B12.9d	10
100.3010/12v	12v 1.2w Mini Base DAF T1-1/4NW (286MB5)	10
100.3010	24v 1.2w Mini Base DAF T1-1/4NW (508MB5)	10

## W2 x 4.6d Capless



Part number		Pk Qty
100.286	12v 1.2w Capless W2 x 4.6d	10
100.286A	12v 1.2w Amber Capless W2 x 4.6d	10
100.286B	12v 1.2w Blue Capless W2 x 4.6d	10
100.286G	12v 1.2w Green Capless W2 x 4.6d	10
100.286R	12v 1.2w Red Capless W2 x 4.6d	10
100.508	24v 1.2w Capless W2 x 4.6d	10
100.508GR	24v 1.2w Green Capless W2 x 4.6d	10
100.508R	24v 1.2w Red Capless W2 x 4.6d	10

## W2.1 x 9.5d Capless



Part number		Pk Qty
100.501	12v 5w Capless W2.1 x 9.5d	10
1002.501S	12v 5w Capless W2.1 x 9.5d Osram OE	10
1002.501HCB	12v 5w Cool Blue Capless W2.1 x 9.5d Twin Pack	2
100.501A	12v 5w Amber Capless W2.1 x 9.5d	10
100.501B	12v 5w Blue Capless W2.1 x 9.5d	10
100.504	12v 3w Capless W2.1 x 9.5d	10
1002.504S	12v 3w Capless W2.1 x 9.5d Osram OE	10
100.512	12v 2.6w Capless W2.1 x 9.5d	10
100.503H	12v 10w Halogen Capless W2.1 x 9.5d	10
100.921	12v 21w W2.1x9.5D 35mm (921) Capless	10
100.921A	12v 21w W2.1x9.5D 35mm (921) Amber Capless	10
100.921B	12v 16w W2.1x9.5D 35mm Capless	10
100.921C	12v 10w W2.1x9.5D 35mm Capless	10
100.505	24v 3w Capless W2.1 x 9.5d	10
1002.505S	24v 3w Capless W2.1 x 9.5d Osram OE	10
100.507	24v 5w Capless W2.1 x 9.5d	10
1002.507S	24v 5w Capless W2.1 x 9.5d Osram OE	10
100.507A	24v 5w Amber Capless W2.1 x 9.5d	10
100.380W	12v 21/5w Double Filament Capless	10
100.382W	12v 21w Single Contact Capless	10

# Bulbs

## LED Bulbs NOTE: Lamps that are not designed to take LED bulbs will lose their light certification if LED are used as replacements

Part number		Pk Qty
100.LED380	12v BAY15D 19-LED White	1
100.LED334	24v BAY15D 19-LED White	1
100.LED334R	24v BAY15D 19-LED Red	1
100.LED207	12v BA15S 5-LED Blue	1
100.LED149	24v BA15S 5-LED White	1
100.LED149B	24v BA15S 5-LED Blue	1
100.LED246	24v BA15S 4-LED White	1
100.LED382	12v BAY15S 19-LED White	1
100.LED382R	12v BAY15S 19-LED Red	1
100.LED241	24v BAY15S 19-LED White	1
100.LED239	12v Festoon 11 x 38 3-LED White	1
100.LED242	24v Festoon 11 x 38 3-LED White	1
100.LED233	12v BA9S 4-LED Blue	1
100.LED249	24v BA9S 4-LED White	1

Part number		Pk Qty
100.LED501	12v W2, 1x9.5D 4-LED White	1
100.LED501B	12v W2, 1x9.5D 4-LED Blue	1
100.LED507	24v W2, 1x9.5D 4-LED White	1
100.LED507B	24v W2, 1x9.5D 4-LED Blue	1
100.LED286	12v B8.5D 1-LED White	1
100.LED508	24v B8.5D 1-LED White	1

## GU4 MR11

Part number		Pk Qty
100.M251	12v 20w Spot 17°	
100.M252/12v	12v 20w Spot 10°	
100.M200/2410	24v 10w	
100.M252/24v	24v 20w Spot 10°	
100.M262-28	28v 20w	

## Halogen Spotlamp H2

Part number		Pk Qty
100.479	12v 55w H2	1
100.482	12v 100w H2	1



## Printed Circuit Bulb Kit

### Part number

<b>100.PCBK1</b>	12v PCB Workshop Pack 164 pieces Contents: 10 x 286T, 6 x 286TB, 6 x 286TXV, 6 x 286TXBL, 6 x 286TXD, 8 x 501A/R/C, 8 x 286, 4 x 433T, 4 x 286TVBL, 4 x 286TVG, 4 x 286THZ, 2 x 512PCBX, 2 x 512TR10, 10 x 286TC, 6 x 286TG, 6 x 286TG2, 6 x 286TG2, 6 x 286TF, 6 x 286TV, 2 x 286TM, 2 x 286TM1, 2 x 286TM2, 2 x 286TM3, 2 x 286TX60, 2 x 286TXBL, 2 x 512TR07, 10 x 501, 4 x 286MTG, 4 x 286MTW, 4 x 286TFT, 4 x 286TSL, 10 x 286MB5, CAPS 10mm 2 x (Red, Yellow, Orange, Green, Blue)
<b>100.PCBK2</b>	24v PCB Workshop Pack 172 pieces Contents: 10 x 505, 10 x 507, 10 x 507A, 2 x 508A, 2 x 508B, 2 x 508G 10 x 508MB5, 10 x 508MTW, 2 x 508R, 30 x 508T, 10 x 508TB 6 x 508TM4, 10 x 508TV, 10 x 508TVB, 6 x 508TVG 20 x 508TVY, 2 x 513TR10 CAPS 10mm 4 x (Red, Yellow, Orange, Green, Blue)

## Emergency Kits

### Part number

Pk Qty

<b>100.TEP01</b>	12v H1 Emergency Bulb Kit Contains: 1 x 448, 1 x 207, 1 x 501, 1 x 382, 1 x 380, 1 x 239, 1 x 233, 1 x 245, Fuses 5/7.5/10/15/20	1
<b>100.TEP04</b>	12v H4 Emergency Bulb Kit Contains: 1 x 472, 1 x 207, 1 x 501, 1 x 382, 1 x 380, 1 x 239, 1 x 233, 1 x 245, Fuses 5/7.5/10/15/20	1
<b>100.TEP07</b>	12v H7 Emergency Bulb Kit Contains: 1 x 499, 1 x 207, 1 x 501, 1 x 581, 1 x 566, 1 x 239, 1 x 233, 1 x 245, Fuses 5/7.5/10/15/20	1
<b>100.TEP0724</b>	12v H7 Emergency Bulb Kit Contains: 1 x 499, 1 x 466, 1 x 149, 1 x 150, 1 x 241, 1 x 334, 1 x 242, 1 x 294, 1 x 249, Fuses 5/7.5/10/15/20	1

## Tubular Halogen

### Part number

Pk Qty

<b>130.150</b> (Osram)	240v 150w Linear Tungsten	1
<b>130.300</b> (Osram)	240v 300w Linear Tungsten	1
<b>130.500</b> (Osram)	240v 500w Linear Tungsten	1

## Fluorescent Tubes

### Part number

Pk Qty

<b>110.9</b>	9" 6w Fluorescent Tube	1
<b>110.12A</b>	12" 8w Fluorescent Tube Osram	1
<b>110.12S</b>	12" 8w Fluorescent Tube Satalite	1
<b>110.17</b>	23" 18w Fluorescent Tube	1
<b>110.18</b>	18" 15w Fluorescent Tube	1
<b>110.21</b>	21" 13w Fluorescent Tube	1
<b>110.400</b>	4ft 40w Fluorescent Tube	1
<b>110.400S</b>	4ft 36w Slim Fluorescent Tube	1
<b>110.500</b>	5ft 65w Fluorescent Tube	1
<b>110.500S</b>	5ft 58w Slim Fluorescent Tube	1
<b>110.600</b>	6ft 75w Fluorescent Tube	1
<b>110.600S</b>	6ft 70w Slim Fluorescent Tube	1
<b>110.PL11</b>	Energy Saving Lamp 11w	1
<b>110.PL7</b>	Energy Saving Lamp 7w	1
<b>110.PL9</b>	Energy Saving Lamp 9w	1
<b>110.14</b>	11W D Tube	1
<b>110.15</b> <b>110.LA282B</b>	16W 2D 4 Pin 282 2D T5	1
<b>120.851</b>	3/4/5ft Fluorescent Tube Starter	1
<b>120.852</b>	6/8ft Fluorescent Tube Starter	1

## Rough Service Bulbs

### Part number

Pk Qty

<b>100.RS60OS</b>	240v 60w Rough Service Osram	1
<b>100.RS100OS</b>	240v 100w Rough Service Osram	1
<b>100.RES60</b>	240v 60w ES Pearl Rough Service	1
<b>100.RES12</b>	12v 60w ES Pearl Rough Service	1
<b>100.RES24</b>	24v 60w ES Pearl Rough Service	1



# Bulbs

## Bases Diagrams

### Part number

HI P14.5s	H4 P43t	H3 PK22s	PGJ19-1	PX29t	P32d-2	
UEC P45t	HB3 P20d	HB4 P22d	SV8.5-8	SV7-8	BA7s	H2
BA9s	BAY9s	BAX9s	W2.1 x 9.5d	W2X4.6d	BX10d	W2.5x16d
BAY 15d	BAZ15d	BA15s	BX8.3d	BX8.4d	B8.5d	H9 PGJ19-5
BAU15s	T1-1/4NW	BAX	B12.9d	KW2x4.6d	H8 PGJ19-1	

# Bus Bars and Connectors



Part number	
290.127	Red Positive Bus Bar with 4 M6 Studs
290.128	Black Positive Bus Bar with 4 M6 Studs
366.046650	Black Moulded Housing for Cables up to 25mm sq with 2 M6 Studs

# Cables

## Thin Wall Cables

Vehicle wiring cables designed for use up to 105°C, resistant to petrol, lubricating oils and diluted acids. Copper Conductors P.V.C. insulated.



Available in 100m

540.4100HT 16/0.20
mm <sup>2</sup> 0.5
ømm 1.8
<b>Amps 11.0</b>
Colour Suffix
Black B
Blue U
Brown N
Green G
Grey S
Light Green LG
Orange T
Pink K
Purple P
Red R
White W
Yellow Y

540.4101HT 24/0.20
mm <sup>2</sup> 0.75
ømm 1.9
<b>Amps 14.0</b>
Colour Suffix
Black B
Blue U
Brown N
Green G
Grey S
Light Green LG
Orange T
Pink K
Purple P
Red R
White W
Yellow Y

Tracer Colours	
Black/Green	BG
Black/Brown	BN
Black/Red	BR
Black/White	BW
Black/Yellow	BY
Green/Black	GB
Green/Pink	GK
Green/Purple	GP
Green/Red	GR
Green/Orange	GT
Green/Blue	GU
Green/White	GW
Green/Yellow	GY
Brown/Black	NB
Brown/Green	NG
Brown/Red	NR
Brown/Blue	NU
Brown/White	NW
Brown/Yellow	NY
Purple/Black	PB
Purple/Green	PG
Purple/Orange	PT
Purple/Blue	PU
Purple/Yellow	PY
Red/Black	RB
Red/Brown	RN
Red/Purple	RP
Red/Grey	RS
Red/Orange	RT
Red/White	RW

Red/Yellow	RY
Grey/Black	SB
Blue/Green	UG
Blue/Brown	UN
Blue/Red	UR
Blue/White	UW
Blue/Yellow	UY
White/Black	WB
White/Brown	WN
White/Purple	WP
White/Orange	WT
White/Blue	WU
White/Yellow	WY
Yellow/Purple	YP
Yellow/White	YW

540.4102HT 32/0.20
mm <sup>2</sup> 1.0
ømm 2.1
<b>Amps 16.5</b>
Colour Suffix
Black B
Blue U
Brown N
Green G
Grey S
Light Green LG
Orange T
Pink K
Purple P
Red R
White W
Yellow Y

Tracer Colours	
Black/Green	BG
Black/Purple	BP
Black/Red	BR
Black/Orange	BT
Black/Blue	BU
Black/White	BW
Black/Yellow	BY
Green/Black	GB
Green/Pink	GK
Green/Purple	GP
Green/Red	GR
Green/Orange	GT
Green/Blue	GU
Green/White	GW
Green/Yellow	GY
Brown/Black	NB
Brown/Green	NG
Brown/Pink	NK
Brown/Red	NR
Brown/Orange	NT
Brown/Blue	NU
Brown/White	NW
Brown/Yellow	NY
Grey/Pink	SK
Grey/Red	SR
Grey/White	SW
Orange/Black	TB
Orange/Green	TG
Orange/Red	TR
Orange/White	TW
Blue/Black	UB
Blue/Green	UG
Blue/Pink	UK

Blue/Brown	UN
Blue/Purple	UP
Blue/Red	UR
Blue/White	UW
Blue/Yellow	UY
White/Black	WB
White/Green	WG
White/Brown	WN
White/Purple	WP
White/Red	WR
Purple/Black	PB
Red/Black	RB
Red/Green	RG
Red/Pink	RK
Red/Brown	RN
Red/Grey	RS
Red/Orange	RO
Red/Blue	RU
Red/White	RW
Red/Yellow	RY
Grey/Black	SB
White/Grey	WS
White/Orange	WO
White/Blue	WU
White/Yellow	WY
Yellow/Black	YB
Yellow/Green	YG
Yellow/Brown	YN
Yellow/Purple	YP
Yellow/Red	YR
Yellow/Blue	YU
Yellow/White	YW

540.4103HT 30/0.25
mm <sup>2</sup> 1.5
ømm 2.4
<b>Amps 21.0</b>
Colour Suffix
Black B
Blue U
Brown N
Green G
Grey S
Orange T
Red R
White W
Yellow Y

540.4104HT 28/0.30	
mm <sup>2</sup> 2.0	
ømm 2.7	
<b>Amps 25.0</b>	
Colour Suffix	
Black B	
Blue U	
Brown N	
Green G	
Grey S	
Light Green LG	
Orange T	
Pink K	
Purple P	
Red R	
White W	
Yellow Y	
<b>Tracer Colours</b>	GB
Green/Black	GB
Green/Red	GR
Green/Orange	GT
Brown/Purple	NP
Brown/Red	NR
Brown/Orange	NT
Brown/Blue	NU
Red/Black	RB
Red/White	RW
Grey/Black	SB
Orange/Black	TB
Orange/Brown	TN
Orange/Red	TR
Orange/Yellow	TY
Blue/Black	UB
Blue/Green	UG
Blue/Red	UR
Blue/White	UW
White/Purple	WP
White/Red	WR
White/Orange	WO
White/Blue	WU
Yellow/Brown	YN
Yellow/Red	YR
Yellow/White	YW

540.4105HT 44/0.30
mm <sup>2</sup> 3.0
ømm 3.4
<b>Amps 33.0</b>
Colour Suffix
Black B
Blue U
Brown N
Green G
Red R
White W

540.4106HT 35/0.30
mm <sup>2</sup> 2.5
ømm 3.1
<b>Amps 29.0</b>
Colour Suffix
Black B
Blue U
Brown N
Green G
Red R
White W
Yellow Y

# Cables

## Single Core PVC Automotive Cable



Vehicle wiring cables designed for use up to 70°C, resistant to petrol, lubricating oils and diluted acids.

British Standard Secification 6862 Part1 (where applicable) Copper Conductors P.V.C. insulated.

9/0.30-65/0.3 Available in 50m and 100m  
84/0.30-80/0.40 Available in 30m, 50m and 100m

540.4101	9/0.30
mm <sup>2</sup>	0.65
ømm	2.5
<b>Amps</b>	<b>5.75</b>
Colour	Suffix
Black	B
Blue	U
Brown	N
Green	G
Grey	S
Light Green	LG
Orange	T
Pink	K
Purple	P
Red	R
White	W
Yellow	Y

540.4102	14/0.30
mm <sup>2</sup>	1.0
ømm	2.7
<b>Amps</b>	<b>8.75</b>
Colour	Suffix
Black	B
Blue	U
Brown	N
Green	G
Grey	S
Light Green	LG
Orange	T
Pink	K
Purple	P
Red	R
White	W
Yellow	Y

540.4103	21/0.30
mm <sup>2</sup>	1.5
ømm	3.1
<b>Amps</b>	<b>12.75</b>
Colour	Suffix
Black	B
Blue	U
Brown	N
Green	G
Grey	S
Orange	T
Red	R
White	W
Yellow	Y

540.4104	28/0.30
mm <sup>2</sup>	2.0
ømm	3.4
<b>Amps</b>	<b>17.5</b>
Colour	Suffix
Black	B
Blue	U
Brown	N
Green	G
Grey	S
Light Green	LG
Orange	T
Pink	K
Purple	P
Red	R
White	W
Yellow	Y

540.4105	35/0.30
mm <sup>2</sup>	2.5
ømm	3.8
<b>Amps</b>	<b>12.75</b>
Colour	Suffix
Black	B
Blue	U
Brown	N
Green	G
Grey	R

540.4106	44/0.30
mm <sup>2</sup>	3.0
ømm	4.2
<b>Amps</b>	<b>27.5</b>
Colour	Suffix
Black	B
Blue	U
Brown	N
Green	G
Red	R
White	W
Yellow	Y

540.4107	65/0.30
mm <sup>2</sup>	4.5
ømm	5.1
<b>Amps</b>	<b>35.0</b>
Colour	Suffix
Black	B
Brown	N
Red	R
Yellow	Y

540.4108	84/0.30
mm <sup>2</sup>	6.0
ømm	5.9
<b>Amps</b>	<b>42.0</b>
Colour	Suffix
Black	B
Brown	N
Red	R

540.4110	120/0.30
mm <sup>2</sup>	8.5
ømm	7.0
<b>Amps</b>	<b>60.0</b>
Colour	Suffix
Black	B
Brown	N
Red	R

540.4109	97/0.30
mm <sup>2</sup>	7.0
ømm	6.2
<b>Amps</b>	<b>50.0</b>
Colour	Suffix
Black	B
Brown	N
Red	R

540.4111	80/0.40
mm <sup>2</sup>	10.0
ømm	7.5
<b>Amps</b>	<b>70.0</b>
Colour	Suffix
Black	B
Brown	N
Red	R

## 2 Core Auto Cable (Flat Twin)



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Maximum Dimensions of Cable (mm)	Reel Sizes (Metres)	Outer Core Colour
540.4201	2 x 9/0.30	2 x 0.65	5.75	6.1 x 3.8	30 50 100	B
540.4202	2 x 14/0.30	2 x 1.0	8.75	6.5 x 4.0	30 50 100 250	B W R
540.4203	2 x 28/0.30	2 x 2.0	17.5	7.9 x 4.8	30 50 100 250	B
540.4204	2 x 44/0.30	2 x 3.0	27.5	9.5 x 5.7	30 50 100	B
540.4205	2 x 65/0.30	2 x 4.5	35	11.9 x 7.0	30 50 100	B

# Cables

## 2 Core Auto Cable (Round)



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Maximum Dimensions of Cable (mm)	Reel Sizes (Metres)	Outer Core Colour
540.4202R	2 x 14/0.30	2 x 1.0	8.75	6.5 x 4.0	30 100	B

## 2 Core Thin Wall Cable (Flat Twin)



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Maximum Dimensions of Cable (mm)	Reel Sizes (Metres)	Outer Core Colour
540.TW4202	2 x 32/0.20	2 x 1.0	16.5	3.5 x 5.5	100	B
540.4203HT	2 x 28/0.30	2 x 2.0	25	3.8 x 6.6	100	B

## 3 Core Auto Cable



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Maximum Dimensions of Cable (mm)	Reel Sizes (Metres)	Colour
540.4301	3 x 9/0.30	3 x 0.65	5.75	7	30 50 100	B
540.4302	3 x 14/0.30	3 x 1.0	8.75	7.5	30 50 100	B
540.4313	3 x 28/0.30	3 x 2.0	17.5	8.5	30 50 100	B

## 4 Core Auto Cable



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Maximum Dimensions of Cable (mm)	Reel Sizes (Metres)	Colour
540.4401	4 x 9/0.30	4 x 0.65	5.75	7	30 50 100	B
540.4402	4 x 14/0.30	4 x 1.0	8.75	8.1	30 50 100	B

## 5 Core Auto Cable



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Maximum Dimensions of Cable (mm)	Reel Sizes (Metres)	Colour
540.4501	5 x 9/0.30	5 x 0.65	5.75	8.3	30 50 100	B
540.4502	5 x 14/0.30	5 x 1.0	8.75	8.9	30 50 100	B

# Cables

## 7 Core Auto Cable



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Maximum Dimensions of Cable (mm)	Reel Sizes (Metres)	Colour
540.4701	7 x 9/0.30	7 x 0.65	5.75	9	30 50 100	B
540.4702	6 x 14/0.30 1 x 28/0.3	6 x 1.0 1 x 2.0	8.75 17.5	10.2	30 50 100	B
540.4703	6 x 21/0.30 1 x 35/0.30	6 x 1.5 1 x 2.5	12.75 21.75	11.2	30 50 100	B S

## 8 Core Auto Cable



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Maximum Dimensions of Cable (mm)	Reel Sizes (Metres)	Colour
540.4802	7 x 14/0.30 1 x 28/0.30	7 x 1.0 1 x 2.0	8.75 17.5	10.8	30 50 100	B

## 10 Core Auto Cable



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Maximum Dimensions of Cable (mm)	Reel Sizes (Metres)	Colour
540.4910	9 x 14/0.30 1 x 28/0.3	9 x 1.0 1 x 2.0	8.75 17.5	13.5	30 50 100	B

## EBS Cable



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Maximum Dimensions of Cable (mm)	Reel Sizes (Metres)	Colour
540.EBS/30	7 x 32/0.20	9 x 1.0	16.5	9.6	30	B

## PVC Battery / Welding Cable



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Maximum Dimensions of Cable (mm)	Reel Sizes (Metres)	Colour
540.SW16	206/0.30	16	110	8.3	10 30 50 100	B R
540.SW25	366/0.30	25	170	10.1	10 30 50 100	B R
540.4933F	196/0.40	25	170	9.8	10 30 50 100	B R
540.SW35	541/0.30	35	240	11.2	10 30 50 100	B R
540.4934F	315/0.40	40	300	12.2	10 30 50 100	B R
540.SW50	640/0.30	50	345	13.3	10 30 50	B R
540.4935F	475/0.40	60	415	14.6	10 30 50	B R
540.SW70	905/0.30	70	485	15.4	10 30 50	B R

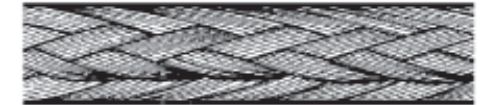
# Cables

## Stereo Speaker Twin Cable



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Maximum Dimensions of Cable (mm)	Reel Sizes (Metres)	Sheath Colours
540.SP1	2 x 12/0.20	2 x 0.38	2	3.6 x 1.7	100	B <sup>B/W</sup>
540.SP1	2 x 24/0.20	2 x 0.75	6	4.3 x 2.1	100	B <sup>B/R</sup>

## Earthing Braid



Part number	Conductor Specification (mm)	Conductor Cross Section (mm <sup>2</sup> )	Current Rating (Amps)	Sheath and Core Colours	Reel Sizes (Metres)
540.CE2	16/32/0.30	37	260	11.1	10

## PVC Flexible Cables (Round) Non Automotive

British Standard Specification 6500, 110-240 volts applications. Copper conductors P.V.C insulated. P.V.C Sheathed. For use with drill, lamps, white goods etc.



Part number	mm <sup>2</sup>	Amps	Sheath	Inner Cores
3183Y - 3 Cores				
540.4303/100B	3 x 0.75	6	Black	Blue Brown Green/Yellow
540.4303/100W			White	
540.4304/100B	3 x 1.0	10	Black	
540.4304/100W			White	
540.4305/100B	3 x 1.5	15	Black	
540.4305/100W			White	
540.4305/100T			Orange	
540.4306/100B	3 x 2.5	20	Black	
540.4306/100W			White	
540.4306/100T			Orange	
540.4307/100B	3 x 4.0	25	Black	
3183Y - 3 Core Artic Grade Cable Suitable for outside use, remains flexible below freezing				
540.4305A/100U	3 x 1.5	15	Blue	Blue Brown Green/Yellow
540.4305A/100Y			Yellow	
540.4306A/100U	3 x 2.5	15	Blue	
540.4306A/100Y			Yellow	

## Tough Rubber Type Sheathed Cable (Round)



Part number	mm <sup>2</sup>	Amps	Sheath	Inner Cores
2 Cores				
540.TR3201/100B	2 x 0.75	6	Black	Blue
3 Cores				
540.TR3301/100B	3 x 0.75	6	Black	Blue Brown Green/Yellow
540.TR3302/100B	3 x 1.0	10		
540.TR3303/100B	3 x 1.5	15		
540.TR3304/100B	3 x 2.5	20		



# Cables



## Controlflex YY - Cables



P.V.C insulated P.V.C sheathed grey outer. Widely used in machine tools, etc.

Part number	Cores	mm <sup>2</sup>
540.CEQ3.75/100	3	0.75
540.CEQ31.5/100		1.5
540.CEQ32.5/100		2.5
540.CEQ304/100	4	4
540.CEQ404/100		4
540.CEQ406/100		6
540.CEQ51.5/100	5	1.5
540.CEQ1201/100	12	1.0
540.CEQ181.5/100	18	1.0

## High Grade Welding Cable - Double Insulated



200v rated Standard BS 638 1979 Part 4 85°C HOFr as per BS 6899. Excellent low temperature properties.

Part number	mm <sup>2</sup>	Amps	Nominal number and ø of wires No x mm	Normal thickness of insulation and sheath mm	Maximum outer ø mm
540.4934/50T	16	135	513 x 0.20	2.0	9.1
540.4935/50T	25	180	783 x 0.20	2.0	10.4
540.4936/50T	35	225	1107 x 0.20	2.0	11.7
540.4937/50T	50	285	1556 x 0.20	2.2	13.5
540.4938/50T	70	355	2214 x 0.20	2.4	16.1
540.4939/50T	95	430	2997 x 0.20	2.6	18.3
540.4940/50T	120	550	608 x 0.50	2.8	19.4
540.4941/50T	185	660	925 x 0.50	3.2	23.3

## Siamese Cable



Twin Flex Cables/Red and Black with a transparent sheath. PVC Class. T1 ISO 6722

Part number	mm <sup>2</sup>	Amps	Nominal number and ø of wires No x mm	Normal thickness of insulation and sheath mm
540.TF2.5/100B	2 x 2.5		72 x 0.2	5.2 x 11.1
540.TF4.0/100B	2 x 4.0		109 x 0.2	6.0 x 12.5
540.TF6.0/100B	2 x 6.0		168 x 0.2	6.5 x 13.5
540.TF10/100B	2 x 10		288 x 0.2	7.9 x 16.7
540.TF16/100B	2 x 16	135	448 x 0.2	8.9 x 18.5

# Chemicals



## Anti-Seize

### Part number

- 810.8065** Loctite 8065 Copper Anti-Seize 20g Stick  
Copper based anti-seize, for screw, nuts, pipes, heat exchanges etc.  
Typical applications: exhaust bolts, brake calliper bolts.
- 810.8060** Loctite 8060 Aluminium Anti-Seize 20g Stick  
Aluminium based anti-seize for screws, nuts, pipes, heat exchangers etc.  
Typical applications: wheel to hub connection, industrial oven hinge pins, fork lift truck lifting mechanism.



## Barrier Cream

Odourless protective film  
Guards against grease, acids and alkalis

### Part number

- 810.044** 400ml Can Mousse



## Battery Topping Up Mixture

### Part number

- 810.073** 1 Litre Battery Topping Up Fluid  
**810.074.** 5 Litre Battery Topping Up Fluid  
**810.075.** 25 Litre Battery Topping Up Fluid (local delivery only)



## Brake Fluid

### Comma DOT 4

Synthetic Brake Fluid  
The current standard fluid for most brake manufacturers  
Ideal for ABS systems  
Can be mixed safely with DOT3 and DOT 4 fluids  
International classification: FMVSS 116 DOT 4, ISO 4925, SAE J-1704

### Part number

- 811.BF4250M** 250ml
- 811.BF4500M** 500ml
- 811.BF41L** 1 Litre
- 811.BF45L** 4.5 Litre



# Chemicals



## Car Cleaning

### Part number

- 811.UPC400 400ml Comma Upholstery Cleaner  
Ideal for cleaning car seats and carpets. Can be used on carpets, fabric, vinyl and leather upholstery in the car and throughout the home
- 811.DTC400 400ml Comma Dash and Trim Clean  
Gives a deep anti-static sheen to vinyl, plastic and leather trim  
Lemon fragrance
- 811.AWC500 500ml Comma Alloy Wheel Cleaner Kit  
Specifically engineered alloy wheel cleaner.  
Attacks baked on brake dust and heavy soiling, restoring wheels to their original shine. High impact, professional cleaning kit. Winner of the Auto Express Best Buy award 2001 and 2002  
Previously the winner of 5 high profile automotive awards.  
500ml pack contains 500ml alloy wheel cleaning trigger pack, pure bristle detail brush and "hands clean gloves"
- 811.GLC750 750ml Comma Glass Cleaner  
Cleans windscreens, windows and mirrors - inside and out.  
Non-smear formulation removes insects and traffic film.  
Lemon Fragrance
- 811.SWC1L 1 Litre Comma Super Wheel Cleaner  
Fast acting wheel cleaner, removes brake dust and road grime from chrome.  
Wire, steel and plastic wheels

### Comma Super Wash 'n' Wax

Added foam booster quickly lifts dirt and grime, to leave a glossy finish  
Adds wax while you wash

- 811.SWW500L 500ml
- 811.SWW1L 1 Litre

## Comma Brake Cleaner

Rapid action, cleans and degreases drums, disc, linings, pads, cylinders and clutch assemblies  
Easy application with extra tube and nozzle

### Part number

- 811.BC500M 500ml Aerosol
- 811.BC5L 5 Litre
- 810.7063 Loctite 7063 Cleaner and Degreaser 400ml Spray  
Solvent based general parts cleaner which leaves no residue – ideal for use prior to adhesive bonding and sealing applications. Compatible with metal, glass, rubber, most plastics and painted surfaces



# Chemicals

- 811.CAC500M 500ml Comma Carb Clean  
Cleans deposits from carburetors, chokes, jets and linkages  
Helps restore lost power and improve fuel economy  
Includes extended nozzle for accurate application
- 810.054 400ml Electrical Cleaner  
Cleans electrical hardware  
Removes oil and grease
- 810.055 400ml Battery Terminal Protector  
Protects against corrosion and moisture  
Lubricates fork lift truck chains
- 810.8201 Loctite 8201 5 Way 400ml Spray  
General purpose lubricant. Frees, lubricates and cleans. Displaces moisture and prevents corrosion. Ideal for light lubrication of metals and freeing assemblies.
- 810.FR400M Loctite Freeze and Release 400ml Spray  
Instantly chills seized and rusted parts (bolts, nuts, studs). After application, allows for disassembly of corroded parts. Released parts remain lubricated and protected from corrosion.

## Comma Copper Ease

Anti-Seize assembly compound, with extreme temperature tolerance (-40°C to +1150°C)  
Forms a dense protective coating over metal parts - will not wash or burn off  
Helps prevent brake disc squeak when applied to the back of the brake pads  
Comes with extra tube and nozzle for hard to reach places

### Part number

- 811.CE500M 500ml Aerosol
- 811.CE500G 500gm



## Chemicals



### De-Icer

#### Part number

811.DI300M 300ml Can De-Icer with antifreeze to help prevent refreeze (Spray)

811.DI750M 750ml De-Icer with antifreeze to help prevent refreeze (Trigger)



### Glues

#### Part number

810.040A 500ml EVO-STIK impact adhesive

810.031 Loctite Super Glue Precision 5g bottle  
High performance formula gives a strong bond in seconds on a wide variety of surfaces. The extra long nozzle is ideal for difficult repair jobs. A pin moulded into the cap ensures the tube doesn't clog and is always ready for use.

810.401 Loctite 401 20g bottle  
Multi-Purpose adhesive for rubber, leather, vinyl, most plastics and metal.

810.491716 Spray Adhesive 400ml  
All-purpose spray adhesive bonds lightweight, porous, and non-porous surfaces, allowing for repositionable and permanent bonds. Loctite adhesive dries clear and fast, won't shrink or bleed and resists water and humidity. Suitable for bonding fabric, foam, rubber, leather, cardboard, interior linings of artificial leather or textile, dampening mats and rubber to each other or to a raw/painted metal or wood.

### Greases

#### Part number

810.056 400ml Silicone Spray

811.SS500M 500ml Comma Silicone Spray  
Multipurpose silicone lubricant - prevents surfaces from sticking, squeaking and wearing. Non-staining - may be used on door rubbers to prevent winter freeze up. Protects against corrosion and freezing.

811.CV500G 500gm Comma CV Grease  
A lithium grease of Number 2 (medium) consistency, containing Molybdenum disulphide ideally suited to use in constant velocity or homokinetic joints.

## Chemicals

### Multi Purpose Lithium Grease

Suitable for chassis, bearing, hubs, universal joints and electric motor bearings  
Good temperature tolerance - stable in hot conditions but still flows when cold

811.GR2400 400g Comma Multi-Purpose Lithium Grease  
811.GR212.5 12.5kg Comma Multi-Purpose Lithium Grease

811.SG500M 500ml Comma Spray Grease  
Penetrates and lubricates chains, cables, linkages, hinges, catches, locks etc.  
Comes with extra tube and nozzle for hard to reach places

811.WGR500M 500ml Comma White Grease  
Water and heat resistant lithium grease - lubricates and protects hinges, bearings and moving parts  
Comes with extra tube and nozzle for hard to reach places

811.HDSG500M 500ml Comma Heavy Duty Spray Grease  
Heavy duty lithium based grease



### Hand Cleaning Products

#### Comma Manista Natural Hand Cleanser

Heavy duty natural hand cleanser with poly chips  
Tough on ingrained oil and dirt, gentle on skin  
Contains no harsh solvents  
Helps prevent chafed and sore hands  
Approved with merit by the Royal Institute of Public Health and Hygiene  
Use with water like soap

#### Part number

811.MAN3L 3 Litre  
811.MAN3LP 3 Litre Pump  
811.MAN3LB 3 Litre Wall Bracket

811.MAN10 10 Litre  
811.MAN10LP 10 Litre Pump



### Hydraulic Fluid

#### Part number

811.LHM1L 1 Litre Comma LHM Plus  
Mineral based fluid for hydraulic systems.  
Suitable for certain Citroën, Peugeot, Rolls Royce and Bentley models (where components are coloured green).  
CAUTION: Check owners manual for application



# Chemicals

## Maintenance Products

### Part number

**811.GO45L** EPW80W-90 Gear Oil  
For synchromesh and constant mesh gearboxes  
Also suitable for use in hypoid, spiral bevel and double reduction rear axles  
Use in cars, vans, trucks and plant where an EP GL4 oil is required

**810.076** 1 Litre Air Tool Oil  
Lubricates all pneumatic tools and equipment

**810.058** 500ml Variac Brake and Clutch Cleaner

## Metal Filled Compounds

### Part number

**810.3463** Loctite 3463 Metal Magic Steel 114g Stick  
Steel filled kneadable stick. Adheres to damp surfaces and cures under water. Can be drilled, filled and painted. Ideal for emergency sealing of leaking tanks and pipes.

## O Ring Kit

### Part number

**810.OKIT** Loctite O Ring Kit  
Saves the need for complete disassembly. Eliminates the need for an inventory of different sizes O-rings. Kit contains 7 standard diameter sizes of nitrile cord, splicing jig, safety knife and Loctite® 406 instant adhesive.

## Radiator Sealant

### Part number

**810.001** 135ml Bars Leaks Liquid  
Stops cooling systems leaks

**810.002** 25g Bars Seal Leak Stopper  
Pellets for tanks up to 15 Litres

**810.003** 25g Bars Seal Commercial Leak Stopper  
Commercial size pellets for tanks up to 20 Litres

## Screenwash

### Part number

**810.082.** 5 Litre Screen Wash  
**810.082A** 1 Litre Screen Wash  
**810.082B** 25 Litre Screen Wash (local delivery only)

# Chemicals

## Sealants and Instant Gasket

### Part number

**810.011a** 100ml Clear Instant Gasket

**810.728** Loctite Quick Gasket 200ml  
Instant seal gasket straight from the can. Easy to use – for precise and uniform application. Permanently flexible, fast curing flange sealant. Recommended applications: oil pans, housing covers, engines, transmissions and water pumps.

**810.574** Loctite 574 Multi-Gasket 50ml Bottle  
For sealing flanges on all ridged parts i.e. cam carriers, water pumps, carburettors, gear boxes and rear axles. Fills gaps up to 0.5mm. 100% seal prevents leakage and corrosion. Reduces the need for cut gaskets.

**810.548** Loctite 548 Gasket 18g Stick  
Liquid technology in a semi-solid paste. Recommended for all types of rigid iron, steel and aluminium flanges.

**810.8897** Loctite 7200 Gasket Remover 400ml  
Removes cured gasket sealants and traditional gaskets from most types of surfaces in 10 to 15 minutes with minimal scraping.

**810.012** 310ml Clear Silicone Sealant  
**810.012A** 310ml White Silicone Sealant  
**810.012BK** 310ml Black Silicone Sealant

## Spray Paints

### Part number

**811.GP500M** 500ml Comma Grey Lead Free Aerosol Primer  
**811.RO500M** 500ml Comma Red Oxide Lead Free Aerosol Paint  
**811.SB500M** 500ml Comma Satin Black Lead Free Aerosol Paint  
**811.SI500M** 500ml Comma Silver Wheels Lead Free Aerosol Paint  
**811.WG500M** 500ml Comma White Gloss Lead Free Aerosol Paint  
**811.MB500M** 500ml Comma Matt Black Lead Free Aerosol Paint  
**811.BG500M** 500ml Comma Black Gloss Lead Free Aerosol Paint



## Threadlocking

### Loctite 243 Nutlock

Medium strength threadlocking adhesive – where disassembly of parts is required. For locking and sealing threaded parts e.g. carburettor screws, brake callipers and temperature switches. Prevents part vibrating loose. May allow original part to be re-used.



Part number	Pack Size
810.035A	10ml Bottle
810.035	50ml Bottle



810.248	Loctite 248 Medium Threadlocking 19g Stick Liquid technology in a semi-solid paste. Convenient and easy to use. Suitable where product application is difficult – overhead, under or around other components. Effective on all types of metal threaded fasteners. Recommended for applications where disassembly is required – Machine tools and presses, pumps and compressors, mounting bolts, gear boxes.
---------	---

### Lock 'n' Seal (243)

Locks and seals all threads. Prevents corrosion. For automotive and DIY uses.



Part number	Pack Size
810.033	3ml Tube Lock 'n' Seal
810.034	24ml Bottle Lock 'n' Seal

### Stud 'n' Bearing Fit (271)

Locks and seals studs. Restores bearing housings.



Part number	Pack Size
810.037	3ml Tube Stud 'n' Bearing Fit
810.037A	24ml Bottle Stud 'n' Bearing Fit



Part number	
810.268	Loctite 268 High Strength Threadlocking 19g Stick Liquid technology in a semi-solid paste. Convenient and easy to use. Suitable where product application is difficult – overhead, under, or around other components. Effective on all types of metal threaded fasteners. Recommended for use where regular removal for maintenance is not required – suspension bolts, motor transmission and pump mounts, bearing cap bolts and studs.

## Threadsealing

### Part number

810.014	Loctite 572 Brake and Airline Sealant 50ml bottle Seals brake airline threaded connectors, sump plugs, pneumatic systems, temperature sensors, etc. Prevents parts vibrating loose. Not suitable for liquid or gaseous oxygen.
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810.014A	Loctite 577 Pipe Sealant 50ml bottle General purpose liquid thread sealant for sealing and locking metal threads up to R3 (M80). Suitable for metal threads only. Ideal for hydraulic and pneumatic circuits. Resistant to fuel, oil coolants and hydraulic fluids. Temperature range -55 deg C to +150 deg C.
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810.561	Loctite 561 Threadsealant 19g Stick Liquid technology in a semi-solid paste. Convenient and easy to use. Recommended for all coarse metal threads, where disassembly is required.
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811.55/50m	Loctite 55 Pipe Sealant Cord (150m) Loctite 55 is a new, faster, more versatile pipe sealant which out-dates traditional tapes and hemp/pastes combinations. It therefore enables the improvements required of today's pipe systems. Naturally it complies with all latest regulations. It instantly seals (irrespective of ambient temperature) domestic and industrial pipe systems during their assembly. Can be safely – and confidently – used with drinking or waste water (hot and cold), gas, compressed air and industrial oils. Use it wherever you used tapes and hemp/pastes in the past.
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## WIPEAWAY Hand Wipes

Sanitizing ACTION  
Removes grease, grime and ink

### Part number

810.041	Non Abrasive Tub of 70 Wipes
810.042	Non Abrasive Bucket of 100 Wipes



810.045	Abrasive Tub of 70 Wipes
810.046	Abrasive Bucket of 100 Wipes



# Chemicals

## WD-40

Protects metal from rust and corrosion, penetrates stuck or jammed parts, displaces moisture and lubricates just about anything. WD-40 is also great when it comes to cleaning grease, grime and other marks from most surfaces.

**CLEANS:** WD-40 gets under dirt, marks and grease making it easy to wipe away. It also dissolves adhesives, allowing easy removal of labels, tape and stickers

**PROTECTS:** WD-40 protects metal surfaces with corrosion-resistant ingredients to shield against moisture and other corrosive elements

**LUBRICATES:** WD-40's lubricating ingredients are widely dispersed and hold firmly to all moving parts

**PENETRATES:** WD-40 loosens rust-to-metal bonds and frees stuck, frozen or rusted metal parts

**DISPLACES MOISTURE:** Because WD-40 displaces moisture, it quickly dries out electrical systems to eliminate moisture-induced short circuits. Turn the power off before you spray

### Part number

810.051B 100ml Aerosol

810.051A 400ml Aerosol

810.052 5 litre (comes with applicator)

810.052A WD 40 Applicator



## LET THERE BE LIGHT

Dun-Bri Group is the UK's only specialist commercial vehicle lighting supplier.



# Chemicals

**Looking for:  
Circuit Breakers**  
go to  
Page 1.148

### Part number

811.JO500M 500ml Comma Jack Oil for hydraulic bottle and trolley jacks

810.050 300ml Bradex Easy Start Car Lubricant Suitable for all petrol, diesel and paraffin engines. Contains upper-cylinder lubrication to ensure firing, even in arctic conditions.

811.AIRCC 150ml Comma Air Con Cleaner Effectively eliminates bacteria, fungi, moulds and viruses from the air conditioning systems, which cause unpleasant odours, hay fever symptoms and other allergic reactions Deodourises upholstery and carpets to bring back that new car smell Easy to use one shot application

811.TS400M Comma Tyre Seal Tyre Seal is the ideal instant 'get-you-home', temporary puncture repairer for tubeless tyres. Not suitable when the damage is severe - holes over 5mm - or the tyre wall is damaged or displaced on the rim. Suitable for tyres over 155mm.

811.OAG30L 30 Litre Comma Oil Absorbent Granules Lightweight formula for increased absorption of oil, grease and fuel. Keeps the workplace safe, tidy and free of accidents through slipping

811.USA500M 500ml Comma Underbody Seal Spray Traditional rubberised coating to protect against stone chips and rust Apply to underbody, door panels, engine and boot compartments Underbody seal also insulates against road noise

811.WS500M 500ml Comma Wax Seal Spray Wax injected fluid for protecting underbody chassis box sections, door panels, sills, etc Fluid nature allows rust to be eliminated or prevented in hard to reach spaces

811.TASK7 Task Pak 7 Multi Use Workshop Wipes Mops up oil and water - fast Performs well even when wet Embossed for extra strength Ideal for cleaning hands, tools, components, oil and water spills 457 x 38cm Sheets of 3 Ply 56gsm Blue Wipes in a Box Comma



# Conduit



## Black Nylon Heavy Duty Conduit 50m Roll

Part number	NW	ID	OD	Cross Reference	
				Durite	Harness flex
541.N107/50	7.5	6.7mm	10.0mm	0-330-07	NC08
541.N110/50	8.5	8.4mm	11.7mm		NC10
541.N111/50	10	9.9mm	13.0mm	0-330-10	NC12
541.N113/50	13	12.7mm	15.8mm	0-330-13	NC16
541.N116/50	17	16.6mm	21.2mm	0-330-17	
541.N120/50	22	21.3mm	25.4mm	0-330-22	NC25



## Black Nylon Light Duty Conduit 50m Roll

Part number	NW	ID	OD	Cross Reference	
				Durite	Harness flex
541.LN107/50	7.5	6.7mm	10.0mm	0-330-07	CTPA08
541.LN110/50	8.5	8.5mm	11.5mm		CTPA10
541.LN111/50	10	10.1mm	13.2mm	0-330-10	CTPA12
541.LN113/50	13	13.0mm	16.0mm	0-330-13	CTPA16
541.LN116/50	17	17.0mm	21.2mm	0-330-17	CTPA20
541.LN120/50	22	21.6mm	25.6mm	0-330-22	CTPA24



## Black Nylon Light Duty Split Conduit 50m Roll

Part number	NW	ID	OD	Cross Reference	
				Durite	Harness flex
541.N007/50	7.5	6.7mm	10.0mm	0-331-07	CTPA08-S
541.N010/50	8.5	8.4mm	11.7mm		CTPA10-S
541.N011/50	10	9.9mm	13.0mm	0-331-10	CTPA12-S
541.N013/50	13	12.7mm	15.8mm	0-331-13	CTPA16-S
541.N016/50	17	16.6mm	21.2mm	0-331-17	CTPA20-S
541.N020/50	22	21.3mm	25.4mm	0-331-22	CTPA24-S



## Polypropylene Light Duty Split Conduit 50m Roll

Part number	NW	ID	OD	Cross Reference	
				Durite	Harness flex
541.005/100	5	5mm	7.1mm		
541.007/50	7.5	6.9mm	9.9mm	0-328-07	
541.010/50	10	10.1mm	12.7mm	0-328-10	PP12
541.011/50	12	12mm	15.6mm		
541.013/50	13	12.9mm	15.8mm	0-328-13	
541.016/50	17	16.8mm	21.0mm	0-328-17	
541.020/50	22	21.8mm	25.5mm	0-328-22	PP25
541.024/50	23	23.7mm	28.0mm		PP28

# Conduit

## Polypropylene Light Duty Conduit 50m Roll

Part number	NW	ID	OD
541.107/50	7.5	6.9mm	9.9mm
541.108/50	8.5	8.5mm	11.6mm
541.110/50	10	10.1mm	12.7mm
541.113/50	13	12.9mm	15.8mm
541.117/50	17	16.8mm	21.0mm
541.120/50	22	21.8mm	25.5mm
541.124/50	23	23.7mm	28.0mm



## Black PVC Sleeving

### Part number

541.304/50	4mm ID .5mm Wall PVC 50m Rolls
541.306/50	6mm ID .5mm Wall PVC 50m Rolls
541.308/50	8mm ID .5mm Wall PVC 50m Rolls
541.310/50	10mm ID .5mm Wall PVC 50m Rolls



## Black Polypropylene Spiral Wrap

### Part number

541.404A/10	4mm ID 6mmOD Max Bundle 4-50mm 10m
541.406A/10	6mm ID 8mmOD Max Bundle 6-60mm 10m
541.408A/10	9mm ID 12mmOD Max Bundle 9-90mm 10m
541.410A/25	17mm ID 20mmOD Max Bundle 29-200mm 25m



## Monofilament Polyester Braided Sheathing

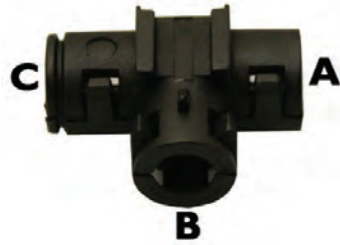
Abrasion resistant, self extinguishing

### Part number

541.506/100	6mm ID 100m Roll
541.508/100	8mm ID 100m Roll
541.512/100	12mm ID 100m Roll
541.515/10	15mm ID 10m Roll
541.525/100	25mm ID 100m Roll



## Black Nylon Unsealed 'T' Piece Connectors



Part number	A	NW B	C	Cross Reference	
				Durite	Harness Flex
541.9806082	7.5	7.5	7.5	0-327-30	TPS080808
541.9806087	10	7.5	7.5	0-327-40	TPS120808
541.9806111	10	7.5	10	0-327-41	TPS120812
541.9806089	10	10	10	0-327-42	TPS121212
541.9806092	13	7.5	13	0-327-50	TPS160816
541.9806091	13	10	10	0-327-51	TPS161212
541.9806101	13	10	13	0-327-52	TPS161216
541.9806115	13	13	13	0-327-53	TPS161616
541.9806100	17	7.5	13	0-327-60	TPS200816
541.9806137	17	7.5	17	0-327-61	TPS200820
541.9806107	17	10	13	0-327-62	TPS201216
541.9806136	17	10	17	0-327-63	TPS201220
541.9806187	17	13	13	0-327-64	
541.9806141	17	13	17	0-327-65	TPS201620
541.9806126	22	22	17	0-327-66	TPS252520
541.9806113	22	7.5	22	0-327-70	TPS250825
541.9806143	22	10	10	0-327-71	TPS251212
541.9806121	22	10	22	0-327-72	TPS251225
541.9806114	22	13	17	0-327-73	TPS251620
541.9806108	22	13	22	0-327-74	TPS251625
541.9806103	22	17	13	0-327-75	TPS252016
541.9806102	22	22	22	0-327-76	TPS252525
541.9806129	26	10	26	0-327-80	
541.9806148	26	13	22	0-327-81	
541.9806147	26	13	26	0-327-82	
541.9806124	26	17	13	0-327-83	TPS302016
541.9806109	26	17	17	0-327-84	
541.9806119	26	17	22	0-327-85	TPS302025
541.9806112	26	22	22	0-327-86	
541.9806157	26	26	26	0-327-87	TPS303030

## Black Nylon Unsealed Interfaces For AMP Connectors

Part number	NW	Type	Connector	Cross Reference	
				Durite	Harness Flex
541.7807128	7.5	in-line	Superseal 2-way	0-326-11	CI08-AS2
541.7807042	10	in-line	Superseal 2-way	0-326-12	CI12-AS2
541.7807041	10	in-line	Superseal 3-way	0-326-13	CI12-AS3
541.7807037	10	90 degree	Superseal 3-way	0-326-14	
541.7807040	10	in-line	Superseal 4-way	0-326-15	CI12-AS4
541.7807039	10	in-line	Superseal 5-way	0-326-16	CI12-AS5
541.7807038	10	in-line	Superseal 6-way Junior Power Timer	0-326-17	CI12-AS6
541.7807118	7.5	90 degree	3-way Junior Power Timer	0-326-18	
541.7807068	7.5	in-line	4-way Junior Power Timer	0-326-19	
541.7807067	7.5	in-line	5-way Junior Power Timer	0-326-20	
541.7807667	10	90 degree	6-way	0-326-21	TPS201216



## Black Polycarbonate Sealed 'T' Fitting

With nylon cap nuts. Comes with sealing rings to provide protection to IP67, use with un-splitting tubing.

Part number	NW	Cross Reference	
		Durite	Harness Flex
541.HFK130	7.5	0-330-57	HFK130
541.HFK131	10	0-330-60	HFK131
541.HFK199	13		HFK199
541.HFK132	17	0-330-67	HFK132



## Black Nylon Sealed Connection Gland

Comes with sealing rings to provide protection to IP67, use with un-split tubing.

Part number	NW	Cross Reference	
		Durite	Harness Flex
541.HFK102	7.5	0-330-77	HFK102
541.HFK226	10	0-330-80	HFK226
541.HFK103	13	0-330-83	HFK103
541.HFK104	17	0-330-87	HFK104
541.HFK106	22	0-330-92	HFK106





## Conduit Fittings



**Black Nylon Unsealed 90 Degree Elbow Connectors**

Part number	NW	Cross Reference	
		Durite Cross	
541.7807398	10	0-327-01	
541.7807399	13	0-327-02	
541.7807400	17	0-327-03	
541.7807401	22	0-327-04	

**Black Nylon Unsealed 'Y' Piece Connectors**



Part number	NW			Cross Reference	
	A	B	C	Durite	Harness Flex
541.9817079	7.5	7.5	7.5	0-327-10	YPS080808
541.9817303	10	10	10	0-327-11	YPS121212
541.9817304	13	7.5	10	0-327-12	YPS161208
541.9817306	13	10	10	0-327-13	YPS161212
541.9817305	13	10	13	0-327-14	YPS161612
541.9817308	13	13	13	0-327-15	YPS161616
541.9817310	17	13	10	0-327-16	YPS201216
541.9817200	17	13	17	0-327-17	YPS252012
541.9817200	22	10	17	0-327-18	YPS252012
541.9817203	22	13	17	0-327-19	YPS252016
541.9817300	26	22	22	0-327-20	

**Black Nylon Convuluted Tube Reducer**



Part number	NW	Cross Reference	
		Durite Cross	
541.7807276	10 - 7.5	0-326-01	
541.7807278	13 - 7.5	0-326-02	
541.7807280	13 - 10	0-326-03	
541.7807283	17 - 13	0-326-04	
541.7807294	22 - 13	0-326-05	
541.7807282	22 - 17	0-326-06	

**Black Nylon Clamping Chassis Clips for all Types of Tubing**



Part number	NW	Cross Reference	
		Durite Cross	
541.9805911	7.5	0-326-40	
541.9805913	10	0-326-41	
541.9805914	13	0-326-42	
541.9805925	17	0-326-43	
541.9805916	22	0-326-44	

## Conduit Fittings

**Black PVC Conduit End Caps, for Convuluted Tubing**



Part number	NW	Cross Reference	
		Durite	Harness flex
541.8501068	NW10 with 5 cable outlets	0-326-90	EK05
541.8501076	NW13 with 6 cable outlets	0-326-91	EK06
541.8500118	NW17 with single cable outlet	0-326-92	ESN20
541.8500169	NW22 with single cable outlet	0-326-93	ESN25
541.8500215	NW26 with single cable outlet	0-326-94	ESN28

## Connectors

**1.5mm Superseal Connectors Supplied with Terminals and Seals**

Available in 1, 10 and 100 Packs

**Part number**

565.102A 1.5mm 2 Way Male Superseal  
565.102B 1.5mm 2 Way Female Superseal

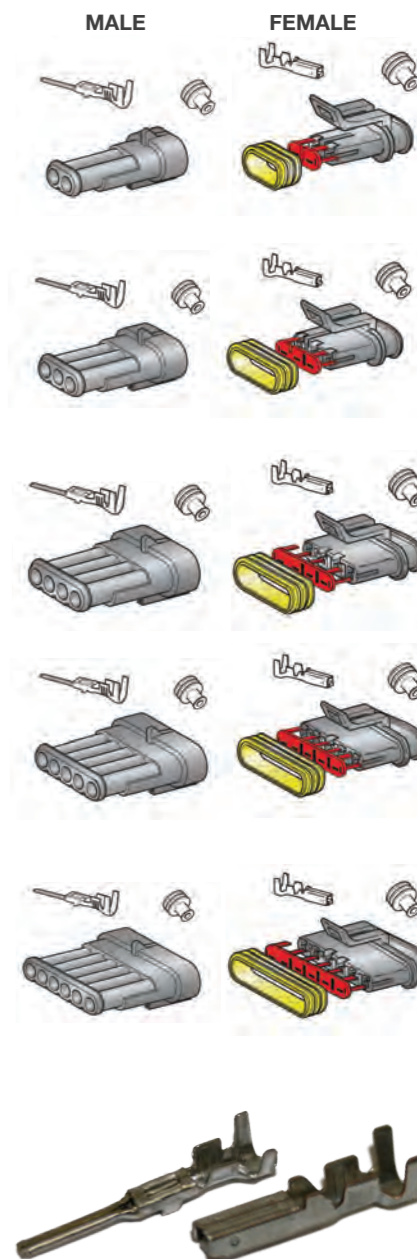
565.103A 1.5mm 3 Way Male Superseal  
565.103B 1.5mm 3 Way Female Superseal

565.104A 1.5mm 4 Way Male Superseal  
565.104B 1.5mm 4 Way Female Superseal

565.105A 1.5mm 5 Way Male Superseal  
565.105B 1.5mm 5 Way Female Superseal

565.106A 1.5mm 6 Way Male Superseal  
565.106B 1.5mm 5 Way Female Superseal

566.004/25 1.5mm S-Seal M150 1-1.5  
566.005/25 1.5mm S-Seal F150 1-1.5

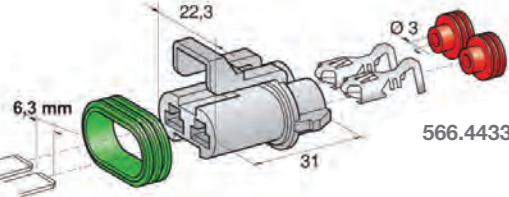


# Connectors



565.T103

1.5mm 3 Way "T" Piece for 2 Way Superseal



566.4433800

6.3mm Female 2 Way connector with Terminals and Seals

## 2.8mm Superseal Connectors Supplied with Terminals and Seals

MALE FEMALE

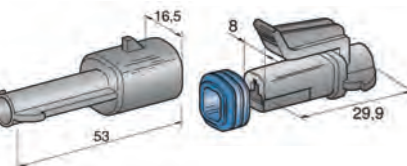
Part number

566.101A

2.8mm 1 Way Male Superseal

566.101B

2.8mm 1 Way Female Superseal

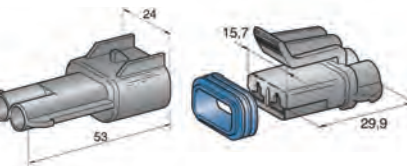


566.102A

2.8mm 2 Way Male Superseal

566.102B

2.8mm 2 Way Female Superseal

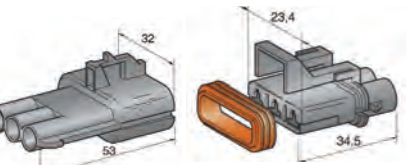


566.103A

2.8mm 3 Way Male Superseal

566.103B

2.8mm 3 Way Female Superseal



566.002/25

2.8mm Metripack M280 1-2.5

566.003/25

2.8mm Metripack F280 1-2.5



## Packard Timer Connector

Supplied with Cable Seals and Terminals

Part number

366.001292

2 Way 'Packard' Timer Connector

366.001293

3 Way 'Packard' Timer Connector



# Connectors

## Deutsch Connectors

Part number

Pk Qty

568.002S/5

2 Way Deutsch DT Black Male

5

568.002P/5

2 Way Deutsch DT Black Female

5

568.003S/5

3 Way Deutsch DT Black Male

5

568.003P/5

3 Way Deutsch DT Black Female

5

568.004S/5

4 Way Deutsch DT Black Male

5

568.004P/5

4 Way Deutsch DT Black Female

5

568.006S/5

6 Way Deutsch DT Black Male

5

568.006P/5

6 Way Deutsch DT Black Female

5



## Junior Timer (JT) Connectors Supplied with Terminals and Seals

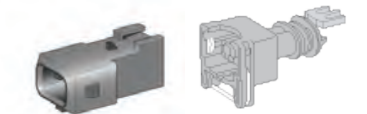
Part number

566.JT2M

JT 2 Way Male Connector

566.JT2F

JT 2 Way Female Connector



566.4420911

JT 2 Way 90 degree Cover



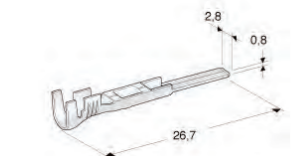
566.4420902

JT or JPT 2 Way Cover 37mm



566.JTM280

Male JT M280 Terminal



566.JTF280

Female JT F280 Terminal



# Connectors

## Junior Power Timer (JPT) Connectors with Terminals and Seals

### Part number

566.JPT2M JPT 2 Way Male Connector  
566.JPT2F JPT 2 Way Female Connector

566.JPT3F JPT 3 Way Female Connector  
566.4420921 57mm JPT 3 Way Cover

566.JPT4F JPT 4 Way Female Connector

566.JPT5F JPT 5 Way Female Connector

566.JPT6F JPT 6 Way Female Connector

566.JPTWPM280 Male JPT WP M280 Terminal

566.JPTWPF280 Female JPT WP F280 Terminal

MALE FEMALE

## Econoseal Lamp Connectors (Supplied with Terminals and Seals)

### Part number

570.2ECONOSEAL Econoseal 2 Way Female Connector  
570.2ECONOSEAL Econoseal 2 Way Male Connector

570.3ECONOSEAL Econoseal 3 Way Female Connector  
570.3ECONOSEAL Econoseal 3 Way Male Connector

# Connectors

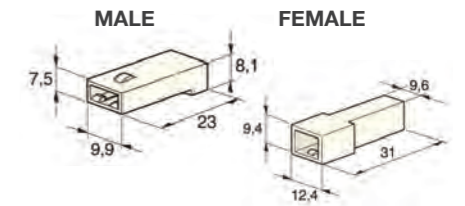
## Flexible Cable Connectors

Part number	Pack of 5
520.001/5	5 amp Flexible Connector Bar
520.003/5	15 amp Flexible Connector Bar
520.004/5	30 amp Flexible Connector Bar
520.005/5	50 amp Flexible Connector Bar



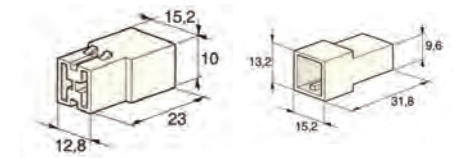
## 6.3mm Multiple Connectors Housing

Part number			Pk Qty
560.01M/10	1 Way Male	6.3mm Housing	10
560.01F/10	1 Way Female	6.3mm Housing	10



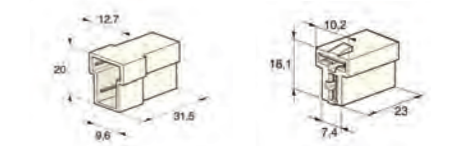
560.02M/10 2 Way Male 6 3mm Housing  
560.02F/10 2 Way Female 6.3mm Housing

10  
10



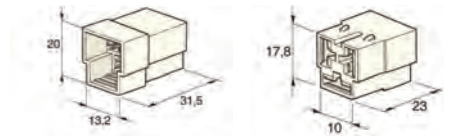
560.02TM/10 2 'T' Way Male 6.3mm Housing  
560.02TF/10 2 Way T Female 6.3mm Housing

10  
10



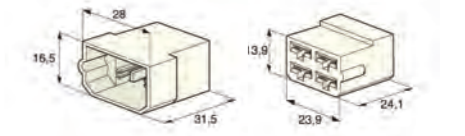
560.03M/10 3 Way Male 6.3mm Housing  
560.03F/10 3 Way Female 6.3mm Housing

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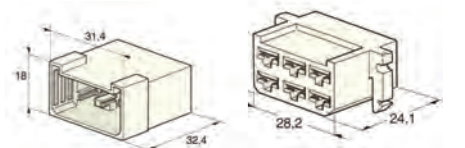
560.04M/10 4 Way Male 6.3mm Housing  
560.04F/10 4 Way Female 6.3mm Housing

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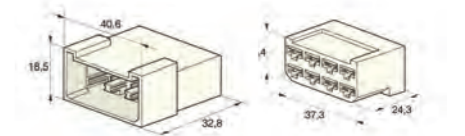
560.06M/10 6 Way Male 6.3mm Housing  
560.06F/10 6 Way Female 6.3mm Housing

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560.08M/10 8 Way Male 6.3mm Housing  
560.08F/10 8 Way Female 6.3mm Housing

10  
10

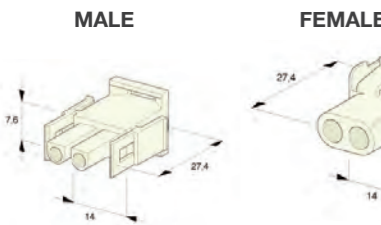
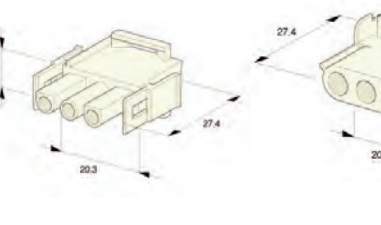
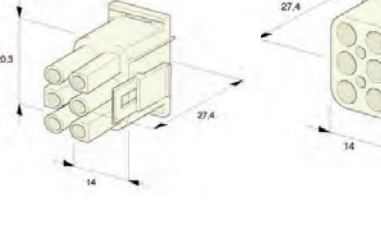
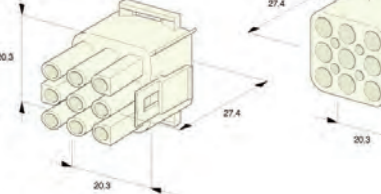


## Connectors

	<b>560.11M/10</b> <b>560.11F/10</b>	11 Way Male 6.3mm Housing 11 Way Female 6.3mm Housing	10 10
	<b>531.6732/50</b> <b>531.6733/50</b>	6.3mm Male Blade Terminal 0.65-1.00mm Cable Entry 6.3mm Male Blade Terminal 0.65-1.00mm Cable Entry	50 50
	<b>531.6734/50</b> <b>531.6735/50</b>	6.3mm Female Blade Terminal 0.50-1.00mm Cable Entry 6.3mm Female Blade Terminal 1.00-2.50mm Cable Entry	50 50

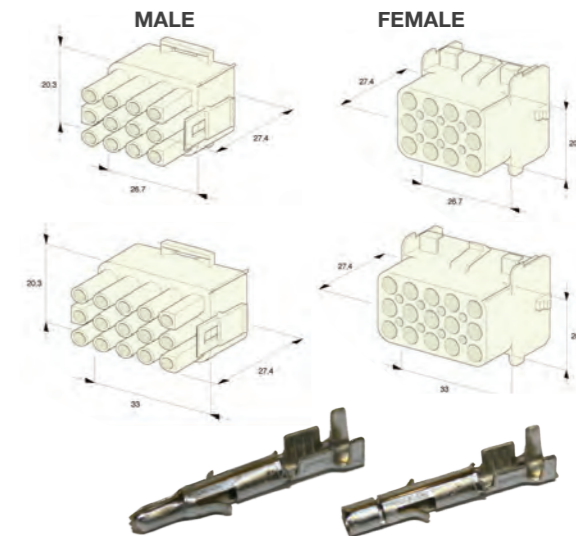
### 2.00mm Mate-N-Lock Connectors

#### Part number

	<b>561.02F</b> <b>561.02M</b>	Mate-N-Lock 2.00mm 2 Way Female Housing Mate-N-Lock 2.00mm 2 Way Male Housing	
	<b>561.03F</b> <b>561.03M</b>	Mate-N-Lock 2.00mm 3 Way Female Housing Mate-N-Lock 2.00mm 3 Way Male Housing	
	<b>561.06F</b> <b>561.06M</b>	Mate-N-Lock 2.00mm 6 Way Female Housing Mate-N-Lock 2.00mm 6 Way Male Housing	
	<b>561.09F</b> <b>561.09M</b>	Mate-N-Lock 2.00mm 9 Way Female Housing Mate-N-Lock 2.00mm 9 Way Male Housing	

## Connectors

<b>561.12F</b> <b>561.12M</b>	Mate-N-Lock 2.00mm 12 Way Female Housing Mate-N-Lock 2.00mm 12 Way Male Housing
<b>561.15F</b> <b>561.15M</b>	Mate-N-Lock 2.00mm 15 Way Female Housing Mate-N-Lock 2.00mm 15 Way Male Housing
<b>531.1852201</b> <b>531.1752201</b>	05-2.5mm Mate-N-Lock Female Terminal 05-2.5mm Mate-N-Lock Male Terminal



Looking for:  
**Croc Clips**  
go to  
Page 1.13

Looking for:  
**Droppers**  
go to  
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## Electrical Coils

### Plain Electrical Coils No Ends

#### Part number

<b>1030.904</b>	2 Core (2 x 0.75mm <sup>2</sup> ) 1.5m Working Length Large Form
<b>1030.907A</b>	3 Core (3 x 0.75mm <sup>2</sup> ) Rubber Coil 3m Working Length
<b>1030.908A</b>	5 Core (5 x 0.75mm <sup>2</sup> ) Rubber Coil 500mm Tails 3m Working Length
<b>1030.909</b>	7 Core (1 x 1mm <sup>2</sup> + 6 x 2mm <sup>2</sup> ) Rubber Coil 3m Working Length
<b>1030.911</b>	7 Core (1 x 1mm <sup>2</sup> + 6 x 2mm <sup>2</sup> ) Santropene Coil 3m Working Length
<b>1030.926</b>	7 Core (1 x 1mm <sup>2</sup> + 6 x 2mm <sup>2</sup> ) Rubber Coil 13m Working Length
<b>542.050</b>	3 Core Tail Lift Control Coil with Glands and Terminated 3m Working Length



## Electrical Coils

### Commercial Vehicle Electrical Coils

Part number

- |          |   |
|----------|---|
| 1030.917 | 2 x 7 Pin 'N' Moulded Plugs 4.5m Working Length |
| 1030.918 | 2 x 7 Pin 'S' Moulded Plugs 4.5m Working Length |

- |           |  |
|-----------|--|
| 1030.913M | 16 Turn 2 x 7 Pin Alloy 'S' Plugs 3 Metre Working Length |
| 1030.912M | 16 Turn 2 x 7 Pin Alloy 'N' Plugs 3 Metre Working Length |

### EBS Electrical Coil (can be used instead of ABS)

Part number

- |            |                              |
|------------|------------------------------|
| 1030.90000 | EBS Coil 3.5m Working Length |
|------------|------------------------------|

- |            |                                   |
|------------|-----------------------------------|
| 1030.80006 | EBS Extension 2m Working Length   |
| 1030.137   | EBS Extension 4.9m Working Length |

- |          |   |
|----------|---|
| 1030.925 | EBS Plug to 2 x 7 Pin Plugs 3.5m Working Length |
|----------|---|

## Enclosures

### PVC IP55 Enclosures

Easy to fit junction boxes with push through cable entry  
IP 55 Rated  
Self Extinguishing plastic  
Operating temp -20 to 40 degree C

Part number

- |           |  |
|-----------|--|
| 544.05001 | IP55 Grey PVC Enclosure<br>60mm Internal Diameter x 40mm |
|-----------|--|

- |           |   |
|-----------|---|
| 544.05002 | IP55 Grey PVC Enclosure<br>74 x 74 x 56mm External Dimensions<br>65 x 65 x 47mm Internal Dimensions |
|-----------|---|

- |           |   |
|-----------|---|
| 544.05004 | IP55 Grey PVC Enclosure<br>116 x 74 x 62mm External Dimensions<br>105 x 65 x 55mm Internal Dimensions |
|-----------|---|

- |           |  |
|-----------|--|
| 544.05005 | 116 x 116 x 62mm External Dimensions<br>105 x 105 x 55mm Internal Dimensions |
|-----------|--|

- |           |  |
|-----------|--|
| 544.05007 | 164 x 121 x 87mm External Dimensions<br>150 x 105 x 80mm Internal Dimensions |
|-----------|--|

- |           |  |
|-----------|--|
| 544.05010 | 193 x 164 x 87mm External Dimensions<br>175 x 150 x 80mm Internal Dimensions |
|-----------|--|

- |           |  |
|-----------|--|
| 544.05013 | 241 x 194 x 107mm External Dimensions<br>225 x 175 x 100mm Internal Dimensions |
|-----------|--|

- |           |  |
|-----------|--|
| 544.05017 | 291 x 241 x 128mm External Dimensions<br>275 x 225 x 120mm Internal Dimensions |
|-----------|--|

- |           |  |
|-----------|--|
| 544.05019 | 341 x 291 x 128mm External Dimensions<br>325 x 275 x 120mm Internal Dimensions |
|-----------|--|



**IF WE SOLD IT  
WE'LL SORT IT**

Free two year product warranty  
available on most products\*

\*Excludes bulbs, tubes & chemicals. Warranty starts from invoice date.  
Other terms & conditions apply. Ask for details.



## Environmental Systems



Part number		
	877.44057	1375 x 940 x 390mm Drum Rack for Two Drums
	877.44058	1300 x 750 x 400mm Two Drum Spill Containment Pallet
	877.44059	1380 x 1290 x 280mm Four Drum Spill Containment Pallet
	877.44106	Oil and Fuel Spill Kit

## Fans, Heaters and Nut Checkers



Fans		
Part number		
	800.330	12v Fan 6"
	800.331	24v Fan 6"



Ceramic Heaters		
Part number		
	800.338	12v 300W 110°C High Temperature Ceramic Fan
	800.339	24v 300W 110°C High Temperature Ceramic Fan

### Loose Wheel Nut

Checker Point Indicators



Part number		
	800.24mm	24mm Yellow Check Nut
	800.27mm	27mm Yellow Check Nut
	800.30mm	30mm Yellow Check Nut
	800.32mm	32mm Yellow Check Nut
	800.33mm	33mm Yellow Check Nut

## First Aid Kits

### Covers:

	Small 0-25 Persons	Travel
Adhesive Tape	1	1
Conforming Bandage	1	1
Eye Pad Sterile Dressings	2	1
Eyewash 250ml		1
Finger Stalls		
Finger Sterile Dressings	2	
Foil Blanket	1	1
Guidance Leaflet	1	1
Hydrogel Burn Dressing	1	1
Large Sterile Dressing	1	1
Low Adhesive Dressing		
Medium Sterile Dressings	4	1
Nitrile Disposable Gloves (Pairs)	6	1
Resuscitation Face Shield	1	1
Safety Pins	6	2
Shears	1	1
Sterile Adhesive Dressings (Plasters)	40	10
Sterile Cleansing Wipes	20	4
Triangular Bandages	2	1

### British Standard Workplace Kits

	Small 0-25 Persons	Travel
Adhesive Tape	1	1
Conforming Bandage	1	1
Eye Pad Sterile Dressings	2	1
Eyewash 250ml		1
Finger Stalls		
Finger Sterile Dressings	2	
Foil Blanket	1	1
Guidance Leaflet	1	1
Hydrogel Burn Dressing	1	1
Large Sterile Dressing	1	1
Low Adhesive Dressing		
Medium Sterile Dressings	4	1
Nitrile Disposable Gloves (Pairs)	6	1
Resuscitation Face Shield	1	1
Safety Pins	6	2
Shears	1	1
Sterile Adhesive Dressings (Plasters)	40	10
Sterile Cleansing Wipes	20	4
Triangular Bandages	2	1

### Road Traffic Act

	Van Kit	Public Service Vehicle Kit
Adhesive Tape	1	
Conforming Bandage	2	3
Eye Pad Sterile Dressings		
Eyewash 250ml		
Finger Stalls	2	
Finger Sterile Dressings		
Foil Blanket		
Guidance Leaflet	1	1
Hydrogel Burn Dressing		
Large Sterile Dressing	1	1
Low Adhesive Dressing	5	
Medium Sterile Dressings		2
Nitrile Disposable Gloves (Pairs)	1	1
Resuscitation Face Shield		
Safety Pins	6	12
Shears	1	1
Sterile Adhesive Dressings (Plasters)	20	24
Sterile Cleansing Wipes	6	10
Triangular Bandages	2	2

### Van First Aid Kit

Part number 760.950

Bracket Allows kit to be securely mounted within vehicle.

- Ideal for smaller road haulage vehicles
- Highly visible, durable orange case



### PSV Minibus Kit

A public or passenger service vehicle first aid kit that meets the PSV act 1981, and Road Traffic Act 1986.

This type of PSV first aid kit is **mandatory on all coaches or minibuses** but can be used in a taxi or minicab or any car or fleet vehicle to help comply with company Health and Safety Guides.

Part number

760.70129B	676 x 176 x 86mm Rear Bracket
760.33829	210 x 146 x 60mm Rear Bracket



### BS8599-1:2011 - Workplace First Aid Kit

Part number

760.BS8599/SM	Small 0-25 Persons Workplace Kit
760.TRAVEL	Travel (passenger car kit)

Came into effect 30/06/2011. After this date, first aid kits compliant to BS8599 are deemed the only safe and clear way for an employer to meet their first aid obligations. The HSE participated in proposing BS8599 so replaced the old standard, the HSE guidelines still apply in terms of protocol.



### Standard Lone Worker Kits

Part number 760.10350

HSE recommended content for employees working off-site

- Standard kit supplied in a water resistant nylon bag with zip closure
- Issue to offsite employees to ensure compliance with HSE Guidelines



## First Aid Kits



### Pack of 25 x 20ml Eyewash Pods

**Part number** 760.EED03/25

- Compact 20ml Pods are an essential addition to first aid kits and cabinets
- Economical in use
- Minimum wastage when compared to larger eyewash bottles
- 0.9% saline solution is ideal for eye irrigation and can also be used for wound irrigation
- Manufactured from soft, easy to squeeze plastic



### Part number

**760.EWFA4** Eyewash Cabinet  
**760.ER01R/2** 2 x 500ml Replacement Eyewash Bottles

- Ensures eyewash facilities are kept clean and highly visible at all times
- Durable ABS case with transparent door for at a glance stock checking
  - Supplied with 2 x 500ml eyewash bottles to satisfy HSE recommendations
  - Clearly labelled and supplied with a wall bracket for easy wall mounting
  - Dimensions: 270 x 170 x 85mm

### Burns Kit

**Part number** 760.901

- Emergency care for burns scalds and sunburn
- Housed in a rugged case
  - Ideal for low risk environments
  - Burns specific dressings and cooling gels containing Melaleuca alt (Tea Tree Oil) to halt burn progression and protect from infection
  - Safe to use on all age groups
  - An effective safeguard to ensure burns can be treated instantly until appropriate help arrives.

Kit Contents:  
1 x First Aid guidance Leaflet, 1 x Large Dressing (20 x 20cm), 2 x Medium Dressing (10 x 10cm), 15 x Burn blot Sachets, 1 x Pair Scissors, 1 x Pair Gloves, 2 x large Sterile Dressing, 1 x Roll Surgical tape, 6 x Safety Pins

### Burnfree Emergency Burn Care Kit

**Part number** 760.915

- Total provision for burns injuries within your workplace
- Should be available wherever there is a risk of burn emergencies in your workplace
  - Kits supplied in a durable moulded case
  - Contains an assortment of Sterile Burn Dressings that quickly ease the pain of burns and help stop burn progression
  - Also Contains Pain Relieving Gel and Gauze Rolls

Contents:  
20 x 3.5ml Gel Sachets, 1 x 118ml Gel Bottle, 4 x Gauze Roll, 2 x (10 x 10cm) Burn Dressing, 2 (5 x 15cm) Burn dressing

## Fire Extinguishers

### Part number

**750.PM10.02** 600gm BC Powder c/w bracket  
**750.1ABC** 1 Kg ABC Powder c/w bracket  
**750.2ABC** 2 Kg ABC Powder c/w bracket

**750.PSP4000** 4 Kg ABC Powder c/w bracket  
**750.PSP6000** 6 Kg ABC Powder c/w bracket  
**750.PSP9000** 9 Kg ABC Powder c/w bracket

**750.9FF** 0.9kg AFFF Foam Factory Sealed  
**750.2FF** 2 litre AFFF Foam Factory Sealed  
**750.9litre AFFF** 9 litre AFFF Foam Factory Sealed



### Fire Boxes

### Part number

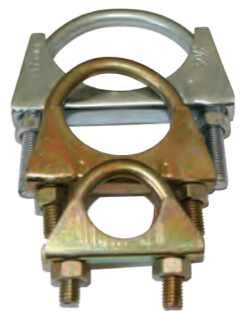
**750.JBFR65** For 6.0Kg Fire Extinguishers 640 x 240 x 250m  
**750.JBFR75** For 9.0-12Kg Fire Extinguishers 750 x 300 x 300mm



## Fixings and Fasteners

### Exhaust Clamps

Part number		Pk Qty
401.700	28mm	1
401.701	32mm	1
401.702	38mm	1
401.703	40mm	1
401.704	43mm	1
401.705	45mm	1
401.706	48mm	1
401.707	50mm	1
401.708	54mm	1
401.709	58mm	1
401.710	65mm	1
401.711	67mm	1
401.712	80mm	1



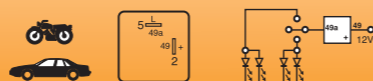
### Cable Ties

Part number		Pk Qty
460.8104BK/100	100 x 2.5mm Black	100
460.8105NBK/100	140 x 3.6mm Black	100
460.8105BK/100	140 x 4.8mm Black	100
460.8108NBK/100	200 x 3.6mm Black	100
460.8108NNBK/100	200 x 2.5mm Black	100
460.8108BK/100	200 x 4.8mm Black	100
460.8112NBK/100	295 x 3.6mm Black	100
460.8112BK/100	295 x 4.8mm Black	100
460.8112S/100	295 x 4.8mm Silver	100
460.8114BK/100	370 x 4.8mm Black	100
460.8114S/100	370 x 4.8mm Silver	100
460.8118BK/100	430 x 4.8mm Black	100
460.8212BK/100	290 x 7.6mm Black	100
460.8214BK/100	370 x 7.6mm Black	100
460.8220BK/50	550 x 12.7mm Black	50
460.8221BK/100	550 x 9.0mm Black	100
460.8108MC/200	200 x 4.8mm Cable Ties 50 Red, 50 Blue, 50 Yellow, 50 Green	200



## Fixings and Fasteners

Looking for: **Flasher Units**



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### Stainless Steel

Part number		Pk Qty
460.8108ST/100	200 x 4.6mm 316 Grade Stainless Steel Roller Ball	100
460.8114ST/100	360 x 4.6mm 316 Grade Stainless Steel Roller Ball	100

### Chassis Fit

Part number		Pk Qty
460.DE8/50	300 x 6mm Black Panel Hole 9mm (goes through own top)	50

### Panel Fixing Cable Ties

Part number		Pk Qty
460.PF4108/100	205 x 4.6mm Natural	100

### 2 Way Black Adhesive Bases

Part number		Pk Qty
460.8300/100	19 x 19mm for 3.6mm Ties	100
460.8400/100	25 x 25mm for 4.8mm Ties	100

### Cable Clamps

Part number		Pk Qty
465.020/50	4.5 to 9.5mm Cable Size D Type Self Adhesive	50
465.021/50	7.5 to 12.5mm Cable Size D Type Self Adhesive	50
465.022/50	14.5 to 16mm Cable Size D Type Self Adhesive	50

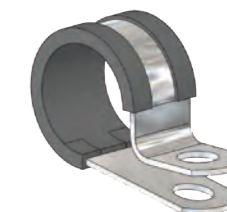
### Nylon P Clips

Part number		Pk Qty
465.001/100	4.8mm Max Diameter	100
465.002/100	6.0mm Max Diameter	100
465.004/100	9.0mm Max Diameter	100
465.005/100	12.0mm Max Diameter	100
465.006A/100	15.0mm Max Diameter	100
465.007/100	19.1mm Max Diameter	100
465.008/100	25.4mm Max Diameter	100

## Fixings and Fasteners

### Steel Plated Santoprene P Clamps

Part number		Pk Qty
470.003/10	4.8mm Holding Diameter	10
470.004/10	6.4mm Holding Diameter	10
470.005/10	7.9mm Holding Diameter	10
470.006/10	9.5mm Holding Diameter	10
470.007/10	11.1mm Holding Diameter	10
470.008/10	12.7mm Holding Diameter	10
470.009/10	14.3mm Holding Diameter	10
470.010/10	15.9mm Holding Diameter	10
470.011/10	17.5mm Holding Diameter	10
470.012/10	19.1mm Holding Diameter	10
470.014/10	22.2mm Holding Diameter	10
470.016/10	25.4mm Holding Diameter	10
470.018/10	28.6mm Holding Diameter	10
470.020/10	31.8mm Holding Diameter	10



### Set Screws

Plated DIN 933 Grade 8.8

Part number		Pk Qty
1024.8201/50	5 x 25mm Plated Set Screw	50
1024.8210/50	6 x 10mm Plated Set Screw	50
1024.8211/50	6 x 16mm Plated Set Screw	50
1024.8210/50	5 x 25mm Plated Set Screw	50
1024.8211/50	6 x 16mm Plated Set Screw	50
1024.8212/50	6 x 20mm Plated Set Screw	50
1024.8213/50	6 x 25mm Plated Set Screw	50
1024.8214/50	6 x 30mm Plated Set Screw	50
1024.8216/50	6 x 40mm Plated Set Screw	50
1024.8217/50	6 x 50mm Plated Set Screw	50
1024.8217B/50	6 x 75mm Plated Set Screw	50
1024.8220/50	8 x 20mm Plated Set Screw	50
1024.8221/50	8 x 25mm Plated Set Screw	50
1024.8223/50	8 x 35mm Plated Set Screw	50
1024.8224/50	8 x 40mm Plated Set Screw	50
1024.8226/50	8 x 50mm Plated Set Screw	50
1024.8227/50	8 x 70mm Plated Set Screw	50
1024.8228/50	8 x 75mm Plated Set Screw	50
1024.8229B/50	8 x 100mm Plated Set Screw	50
1024.8230/50	10 x 25mm Plated Set Screw	50
1024.8233/50	10 x 40mm Plated Set Screw	50
1024.8234/50	10 x 50mm Plated Set Screw	50
1024.8238/50	12 x 25mm Plated Set Screw	50
1024.8241/50	12 x 40mm Plated Set Screw	50
1024.8242/50	12 x 50mm Plated Set Screw	50
1024.8247/50	12 x 80mm Plated Set Screw	50



### Studding

Part number	
1024.8990/1	6 x 100cm Studding 1m Lengths
1024.8991/1	8 x 100cm Studding 1m Lengths
1024.8992/1	10 x 100cm Studding 1m Lengths
1024.8993/1	12 x 100cm Studding 1m Lengths





## Fixings and Fasteners



### Full Nuts

DIN 934 Grade 8

Part number		Pk Qty
1025.8432/100	5mm Full Nuts	100
1025.8433/100	6mm Full Nuts	100
1025.8436/100	8mm Full Nuts	100
1025.8437/100	10mm Full Nuts	100
1025.8438/100	12mm Full Nuts	100
1025.8439/100	14mm Full Nuts	50



### Nyloc Nuts

DIN 982 "P" Type Grade 8

Part number		Pk Qty
1025.8483/100	6mm	100
1025.8486/100	8mm	100
1025.8487/100	10mm	100
1025.8488/100	12mm	100



### Flanged Nuts

Grade 8

Part number		Pk Qty
1025.5MFN/100	5mm	100
1025.6MFN/100	6mm	100
1025.8MFN/100	8mm	100
1025.10MFN/100	10mm	100



### Plain A Washers Flat - Engineering

Part number		Pk Qty
1026.8534A/100	5mm	100
1026.8535A/100	6mm	100
1026.8536A/100	8mm	100
1026.8537A/100	10mm	100
1026.8538A/100	12mm	100



### Plain C Washers Flat - Automotive

Part number		Pk Qty
1026.8534/100	5mm	100
1026.8535/100	6mm	100
1026.8536/100	8mm	100
1026.8537/100	10mm	100
1026.8538/100	12mm	100
1026.8539/100	14mm	100
1026.8540/100	16mm	100



### Repair Washers

Part number		Pk Qty	
1026.8599/100	3/16" x 3/4"	M5 x 19mm	100
1026.8600/100	3/16" x 1"	M5 x 25mm	100
1026.8601/100	1/4" x 1"	M6 x 25mm	100
1026.8602/100	1/4 x 1 1/2"	M6 x 38mm	100
1026.8603/100	5/16 x 1"	M8 x 25mm	100
1026.8604/100	5/16 x 1 1/2"	M8 X 38mm	100
1026.8605/100	5/16 x 2"	M8 x 51mm	100
1026.8606/100	3/8 x 1 1/2"	M10 x 38mm	100
1026.8607/100	3/8 x 2"	M10 x 51mm	100

## Fixings and Fasteners

### Spring Heavy Duty Washers

Part number		Pk Qty
1026.8592/100	5mm	100
1026.8593/100	6mm	100
1026.8594/100	8mm	100
1026.8595/100	10mm	100
1026.8596/100	12mm	100
1026.8598/100	14mm	100
1026.8597/100	16mm	100



### Internal Shake Proof Washers

Part number		Pk Qty
1026.6MISPW/100	6mm Internal Shake Proof	100
1026.8MISPW/100	8mm Internal Shake Proof	100
1026.10MISPW/100	10mm Internal Shake Proof	100
1026.12MISPW/100	12mm Internal Shake Proof	100



### Sump Washers

Part number		Pk Qty	
1026.F56100/50	14.5 x 22 x 2mm	Ford	50
1026.F56101/20	12.25 x 24 x 1.5mm	Ford	20
1026.F56102/50	14 x 22 x 2mm	Honda	50
1026.F56104/25	14 x 19 x 2.5mm	Rover	25
1026.F56105/25	19 x 26 x 2mm	Volvo	25
1026.F56106/50	12 x 15.5 x 1.5mm	BMW	50
1026.F56108/50	16 x 22 x 2mm	Peugeot	50
1026.F56109/50	18 x 24 x 2mm	Renault	50



### Self Drill Posi Countersunk Screws

Part number		Pk Qty
1027.8881/100	6 x 1/2"	100
1027.8882/100	6 x 3/4"	100
1027.8883/100	6 x 1/2"	100
1027.8884/100	8 x 3/4"	100
1027.8122/100	40mm x 5.5mm	100
1027.8123/100	60mm x 5.5mm	100
1027.8124/100	80mm x 5.5mm	100



### Black Posi Flanged Head Self Tapper

Part number		Pk Qty
1027.8868/100	6 x 1/2"	100
1027.8869/100	6 x 3/4"	100
1027.8802/100	6 x 1"	100
1027.8870/100	8 x 1/2"	100
1027.8871/100	8 x 3/4"	100
1027.8805/100	8 x 1"	100



## Fixings and Fasteners

### Black Self Tapping Posi Countersunk Screws

Part number		Pk Qty
1027.8800/100	6 x 1/2"	100
1027.8801/100	6 x 3/4"	100
1027.8802/100	6 x 1"	100
1027.8803/100	8 x 1/2"	100
1027.8804/100	8 x 3/4"	100
1027.8805/100	8 x 1"	100



### Zinc Posi Countersunk Self Tapper

Part number		Pk Qty
1027.8855/100	6 x 3/4"	100
1027.8855A/100	6 x 1 1/4"	100
1027.8857/100	8 x 1/2"	100
1027.8859/100	8 x 3/4"	100
1027.8859A/100	8 x 1"	100
1027.8862/100	10 x 3/4"	100
1027.8863/100	10 x 1"	100
1027.8864/100	10 x 1 1/4"	100
1027.8865/100	10 x 1 1/2"	100



### Floorboard Countersunk Decking Screws

Part number		Pk Qty
1027.8877/200	14 x 1 1/2"	200
1027.8878/200	14 x 1 3/4"	200
1027.8879/200	14 x 2"	200



### Zinc Posi Pan Head Self Tappers

Part number		Pk Qty
1027.8755/100	6 x 1/2"	100
1027.8756/100	6 x 3/4"	100
1027.8757/100	6 x 1"	100
1027.8758/100	8 x 1/2"	100
1027.8759/100	8 x 5/8"	100
1027.8760/100	8 x 3/4"	100
1027.8761/100	8 x 1"	100
1027.8764/100	10 x 1/2"	100
1027.8765/100	10 x 3/4"	100
1027.8766/100	10 x 1"	100
1027.8767/100	10 x 1 1/4"	100
1027.8768/100	10 x 1 1/2"	100
1027.8769/100	12 x 1/2"	100
1027.8770/100	12 x 3/4"	100
1027.8771/100	12 x 1"	100
1027.8772/100	12 x 1 1/2"	100
1027.8774/100	14 x 1/2"	100
1027.8776/100	14 x 3/4"	100
1027.8778/100	14 x 5/8"	100
1027.8777/100	14 x 1 1/2"	100
1027.8779/100	14 x 2"	100



### Self Tapper with Hexagonal Head

Part number		Pk Qty
1027.86757/100	8 x 3/4"	100
1027.86758/100	10 x 3/4"	100
1027.86759/100	12 x 3/4"	100
1027.86760/100	14 x 3/4"	100



## Fixings and Fasteners

### U Speed Nut Fasteners

Part number		Pk Qty
1027.8550/100	Zinc U Nut No 6	100
1027.8551/100	Zinc U Nut No 8	100
1027.8553/100	Zinc U Nut No 10	100
1027.8554/100	Zinc U Nut No 12	100
1027.8555/100	Zinc U Nut No 14	100



### Split Pins

Part number		Pk Qty
1028.8622/200	1.6 x 32mm (1/16" x 1 1/2")	200
1028.8624/200	2.0 x 38mm (5/64 x 1 1/2")	200
1028.8626/200	2.4 x 38mm (3/32" x 1 1/2")	200
1028.8627/200	2.4 x 50mm (3/32" x 2")	200
1028.8628/200	2.8 x 38mm (7/64" x 1 1/2")	200
1028.8629/200	2.8 x 50mm (7/64" x 2")	200
1028.8631/200	3.0 x 50mm (1/8" x 2")	200
1028.8632/200	3.5 x 38mm (9/64" x 1 1/2")	200
1028.8635/200	4.0 x 40mm (9/64" x 2")	200
1028.8637/200	4.0 x 75mm (5/32" x 2 1/4")	200
1028.8639/200	4.7 x 50mm (3/16" x 2")	200
1028.8647/50	12.5 x 100mm (1/2" x 4")	50



### Number Plate Screws, Cups and Domes

Part number		Pk Qty
1027.8523/100	White	100
1027.8524/100	Yellow	100
1027.8525/100	Black	100



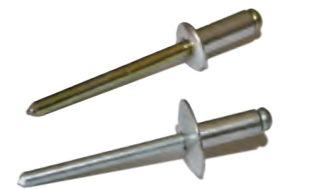
### Linch Pins

Part number		Pk Qty
1035.907	1/4 x 13/4 6.0 x 45	100
1035.908	5/16 x 13/4 8.0 x 45	100
1035.909	7/16 x 13/4 11.0 x 44	100



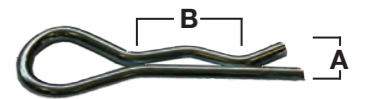
### Rivets

Part number		Pk Qty
1028.8654/200	3/16 x 1/2" 4.8 x 13.9mm AVEX Alloy Standard Flange	200
1028.8655/200	3/16 x 3/4" 4.8 x 18.7mm AVEX Alloy Standard Flange	200
1028.8656/200	3/16 x 1" 4.8 x 28.2mm AVEX Alloy Standard Flange	200
1028.8657/200	3/16 x 1/2" 4.8 x 13.56mm AVEX Alloy Large Flange	200
1028.8658/200	3/16 x 3/4" 4.8 x 19.66mm AVEX Alloy Large Flange	200
1028.8659/200	3/16 x 1" 4.8 x 27.58mm AVEX Alloy Large Flange	200



### R Clips

Part number	Diameter (a) x working length (b)	Pk Qty
1028.01/50	5/64" x 3/8" A B 2.0 x 10mm	250
1028.02/25	3/32" x 3/8" 2.5 x 10mm	25
1028.03/25	1/8" x 3/4" 3.0 x 19mm	25
1028.04/20	5/32" x 1" 4.0 x 25mm	20
1028.05/10	3/16" x 1 1/4" 5.0 x 31mm	10
1028.06/10	1/4" x 1 1/4" 6.0 x 31mm	10
1028.A89459/10	1/8" x 2" 3.0 x 50mm	10
1028.A89460/10	5/32" x 3" 4.0 x 70mm	10
1028.A89462/10	3/16" x 4" 5.0 x 100mm	10



# Fixings and Fasteners

## O Clips

Part number				Pk Qty
475.14/50	1/4"	5-7mm		50
475.516/50	5/16"	7-9mm		50
475.38/50	3/8"	9-11mm		50
475.716/50	7/16"	10-12mm		50
475.12/50	1/2"	11-13mm		50
475.916/50	9/16"	13-15mm		50
475.58/50	5/8"	15-18mm		50
475.34/50	3/4"	17-20mm		50
475.78/50	7/8"	20-23mm		50
475.1/50	1"	23-27mm		50

800.143A O Ring Pliers

# Flasher Units

i-LS is the intelligent and universal solution to the problem of the failure detection of a LED direction indicator lamp.

International regulations requires the Failure Detection of a lamp for vehicles driven on public roads. The flasher warn the driver by increasing the flash rate of the direction indicators lights or by switching off an indicator light on the dashboard (for trailers).

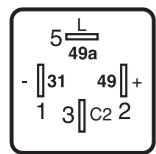
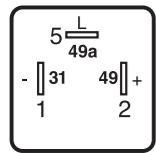
i-LS is a universal solution as it allows to detect the failure of both bulb and cluster LED between 1W and 8W. Combined with our specific flasher unit, i-LS allows a reliable detection of LED cluster failure and prevents irregular or spurious signals.

The flasher units work with bulb, LED or a mixture of both – When using LEDs simply fit one iLS pulse module to each indicator.

i-LS does not produce heat so it can be fitted anywhere, its power consumption is irrelevant.

## Part number

256.ILS3/12	12v i-LS LED Flasher Unit 3 Pins 90W
256.ILS4/12	12v i-LS LED Flasher Unit 4 Pins 140 (2+1)W Vehicle With Trailer
256.ILS3/24	24v i-LS LED Flasher Unit 3 Pins 90W
256.ILS4/24	24v i-LS LED Flasher Unit 4 Pins 140 (2+1)W Vehicle with trailer
256.ILSM/12	12v i-LS Intelligent Solutions Unit
256.ILSM/24	24v i-LS Intelligent Solutions Unit



# Flasher Units

## Flasher Units

256.001	12v 2 pin 180W 2 x 21 + 5 W 4 x 21 + 5 W	Electronic Hazard/Flasher Unit No Bulb Failure Electronic replacement for all 12v 2 pin thermal flashers	0-606-12 0-606-50		
256.002	12v 3 pin 2/4 x 21 + 5 W	Electronic Hazard/Flasher Unit Electronic replacement for all 12v 3 pin thermal flashers	0-606-00		
256.013	12v 2 pin	Electronic Hazard/Flasher Unit For LED lamps, operates at low wattage 0 to 30 watts			
256.014	12v 3 pin	Electronic Hazard/Flasher Unit For LED lamps, operates at low wattage 0 to 30 watts			
256.003	12v 3 pin 2/4 x 21 W	Electronic Hazard/Flasher Unit Negative earth only Bulb failure warning	0-744-22 0-744-12 255.021		
256.008	24v 3 pin 2/4 x 21 W	Electronic Hazard/Flasher Unit Negative earth only Bulb failure warning	0-744-24		
256.005	12v 4 pin	Electronic Hazard/Flasher Unit Negative earth only Bulb failure warning	C2 Pin 0-744-62		
256.009	24v 4 pin 2 + 1/6 x 21 W	Electronic Hazard/Flasher Unit Negative earth only Bulb failure warning	C2 Pin 0-744-26		
256.017	12v 5 pin 2 + 1/6 x 21 W	Electronic Hazard/Flasher Unit Negative earth only	C2 Pin 0-744-26		
365.4DM003944041	24v Volvo F10-F12 2 x 1 x 21 W + 5 W 6 x 21 W	Flasher Unit			

Looking for:  
**Circuit Breakers**  
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# Fuses



## Low Profile Mini Blade Fuse

Part number	Continuous Rating	Blow Rating	Colour
Packet of 10			
205.BF010MLP/10	10	20	Red
205.BF015MLP/10	15	30	Blue
205.BF025MLP/10	20	40	Yellow
205.BF020MLP/10	25	50	Neutral
205.BF030MLP/10	30	60	Green

## Mini Blade Fuse

Part number	Continuous Rating	Blow Rating	Colour
Packet of 25			
205.BF002M/25	2	4	Clear
205.BF003M/25	3	6	Violet
205.BF004M/25	4	8	Pink
205.BF005M/25	5	10	Tan
205.BF007.5M/25	7.5	15	Brown
205.BF010M/25	10	20	Red
205.BF015M/25	15	30	Blue
205.BF020M/25	20	40	Yellow
205.BF025M/25	25	50	Neutral
205.BF030M/25	30	60	Green
Packet of 100			
205.BF003M/100	3	6	Violet
205.BF004M/100	4	8	Pink
205.BF005M/100	5	10	Tan
205.BF007.5M/100	7.5	15	Brown
205.BF010M/100	10	20	Red
205.BF015M/100	15	30	Blue
205.BF020M/100	20	40	Yellow
205.BF025M/100	25	50	Neutral
205.BF030M/100	30	60	Green

## Standard Blade Fuse

Part number	Continuous Rating	Blow Rating	Colour
Packet of 25			
205.BF001/25	1	2	Grey
205.BF002/25	2	4	Clear
205.BF003/25	3	6	Violet
205.BF004/25	4	8	Pink
205.BF005/25	5	10	Tan
205.BF007.5/25	7.5	15	Brown
205.BF010/25	10	20	Red
205.BF015/25	15	30	Blue
205.BF020/25	20	40	Yellow
205.BF025/25	25	50	White
205.BF030/25	30	60	Green
205.BF040/25	40	80	Orange
Packet of 100			
205.BF003/100	3	6	Violet
205.BF004/100	4	8	Pink
205.BF005/100	5	10	Tan
205.BF007.5/100	7.5	15	Brown
205.BF010/100	10	20	Red
205.BF015/100	15	30	Blue
205.BF020/100	20	40	Yellow
205.BF025/100	25	50	White
205.BF030/100	30	60	Green
205.BF040/100	40	80	Orange

## Maxi Blade Fuse

Part number	Continuous Rating	Blow Rating	Colour
205.20MBF/1	20	40	Yellow
205.30MBF/1	30	60	Green
205.40MBF/1	40	80	Orange
205.50MBF/1	50	100	Red
205.60MBF/1	60	120	Blue
205.70MBF/1	70	140	Tan
205.80MBF/1	80	160	Natural

## MIDI Fuse

Part number	Continuous Rating	Blow Rating	Colour
205.MIDI30/1	30	60	Pink
205.MIDI40/1	40	80	Green
205.MIDI50/1	50	100	Red
205.MIDI60/1	60	120	Yellow
205.MIDI70/1	70	140	Brown
205.MIDI80/1	80	160	White
205.MIDI100/1	100	200	Blue
205.MIDI125/1	125	250	Orange
205.MIDI200/1			

# Fuses

## MEGA Fuses

Part number	Continuous Rating	Blow Rating	Colour
205.100MEGA/1	100	200	Yellow
205.125MEGA/1	125	250	Green
205.150MEGA/1	150	300	Orange
205.175MEGA/1	175	350	White
205.200MEGA/1	200	400	Blue
205.225MEGA/1	225	450	Beige
205.250MEGA/1	250	500	Pink
205.300MEGA/1	300	600	Green
205.500MEGA/1	500	1000	Brown



## 32mm Glass Fuses

Part number	Continuous Rating	Blow Rating
Packet of 25		
205.GF005/25	5	10
205.GF010/25	10	20
205.GF015/25	15	30
205.GF035/25	35	70
Packet of 100		
205.GF005/100	5	10
205.GF010/100	10	20
205.GF015/100	15	30
205.GF035/100	35	70



## 20mm Radio Fuses

Part number	Continuous Rating	Blow Rating
Packet of 25		
205.R001/25	1	2
205.R002/25	2	4
205.R005/25	5	10
Packet of 100		
205.R001/100	1	2
205.R002/100	2	4
205.R005/100	5	10



## Ceramic Continental Fuses

Part number	Continuous Rating	Blow Rating	Colour
Packet of 25			
205.CF005/25	5	10	Yellow
205.CF008/25	8	16	White
205.CF016/25	16	32	Red
205.CF025/25	25	50	Blue
Packet of 100			
205.CF005/100	5	10	Yellow
205.CF008/100	8	16	White
205.CF016/100	16	32	Red
205.CF025/100	25	50	Blue



## Strip Link Fuses

Part number	Continuous Rating	Blow Rating
205.SL30/1	30	60
205.SL40/1	40	80
205.SL50/1	50	100
205.SL80/1	80	160
205.SL100S/1	100	200



## Fuses



### PAL Type Female Mini Clip Fuses

Part number	Continuous Rating	Blow Rating	Colour
205.MPAL25F/1	25	50	Brown
205.MPAL30F/1	30	60	Green



### PAL Type Female Clip Fuses

Part number	Continuous Rating	Blow Rating	Colour
205.MPAL45F/1	45	90	Red
205.MPAL65F/1	65	130	Black
205.MPAL75F/1	75	150	Grey



### PAL Type Female Fuses

Part number	Continuous Rating	Blow Rating	Colour
205.PAL20F/1	20	40	Light Blue
205.PAL30F/1	30	60	Pink
205.PAL40F/1	40	80	Green
205.PAL50F/1	50	100	Red
205.PAL60F/1	60	120	Yellow
205.PAL80F/1	80	160	Black
205.PAL100F/1	100	200	Blue

### PAL Type Male Fuses

Part number	Continuous Rating	Blow Rating	Colour
205.PAL30M/1	30	60	Pink
205.PAL40M/1	40	80	Green
205.PAL50M/1	50	100	Red
205.PAL60M/1	60	120	Yellow
205.PAL80M/1	80	160	Black
205.PAL100M/1	100	200	Blue

### PAL Type Female Mini 14 Fuses

Part number	Continuous Rating	Blow Rating	Colour
205.MPAL20F14/1	20	40	Light Blue
205.MPAL30F14/1	30	60	Pink
205.MPAL40F14/1	40	80	Green
205.MPAL50F14/1	50	100	Red
205.MPAL60F14/1	60	120	Yellow
205.MPAL70F14/1	70	140	Brown
205.MPAL80F14/1	80	160	Black

## Fuses

### PAL Type Female Mini 18 Fuses

Part number	Continuous Rating	Blow Rating	Colour
205.MPAL30F18/1	30	60	Pink
205.MPAL40F18/1	40	80	Green



### PAL Type Male 48mm Short Leg Fuses

Part number	Continuous Rating	Blow Rating	Colour
205.PAL20M48/1	20	40	Light Blue
205.PAL30M48/1	30	60	Pink
205.PAL40M48/1	40	80	Green
205.PAL50M48/1	50	100	Red
205.PAL60M48/1	60	120	Yellow
205.PAL70M48/1	70	140	Brown
205.PAL80M48/1	80	160	Black
205.PAL100M48/1	100	200	Blue



### PAL Type Male 62mm Long Leg Fuses

Part number	Continuous Rating	Blow Rating	Colour
205.PAL30M62/1	30	60	Pink
205.PAL40M62/1	40	80	Green
205.PAL50M62/1	50	100	Red
205.PAL60M62/1	60	120	Yellow
205.PAL80M62/1	80	160	Black
205.PAL100M62/1	100	200	Blue



## Fuse Boxes

### Standard Fuse Size Diode

Thermoplastic (PA), heat resistant housing  
Tin plated copper blades  
Diode polarity pictured on housing

#### Part number

205.D1	Diode, Standard Fuse, 1 Amp 1000 Volt
205.D2	Diode, Standard Fuse, 2 Amp 400 Volt
205.D3	Diode, Standard Fuse, 3 Amp 400 Volt



## Fuse Boxes

	Part number	
	290.081	4 Way Continental
	290.082	6 Way Continental
	290.085	4 Way Blade Raised Surface Mount
	290.086	6 Way Blade Raised Surface Mount
	290.088	4 Way Blade Surface Mount
	290.089	6 Way Blade Surface Mount
	290.090	8 Way Blade Surface Mount
	290.087	8 Way Blade Base Mount
	290.130	Positive and Negative Common Buses: M5 Studs. Sizes: L164 x W94 x H57mm  This fuse box contains 2 Positive Circuits and 1 Negative Circuit. Positive Circuit A: 1 x Common Bus and 6 Standard Blade Fuses. Positive Circuit B: 1 x Common Bus and 6 Standard Blade Fuses. Negative Circuit: 1 x Common Bus and 12 Pole Connector Block.

## Fuse Holders

Part number	
220.051	In-Line Wired Mini Blade Fuse Holder, 3.0mm Cable and Cap
220.057	In-Line Wired Standard Blade Fuseholder, 1.5mm <sup>2</sup> Cable and Cap
220.057A	In-Line Wired Standard Blade Fuseholder, 2.5mm <sup>2</sup> Cable and Cap
220.061/10	In-Line Wired Standard Blade Fuse Holder, 3.0mm <sup>2</sup> Cable (pack of 10)
220.079	Stackable 4 Position Mini Fuse Holder
220.080	Stackable Mini Blade Fuse Holder with Metal Bracket
220.076	Add a Circuit with Mini Fuse Easily add a protected circuit without splicing 1.3mm <sup>2</sup> (AWG 16) red cable, 100m length, with blue butt connector CuZn fuse receptacles, Sn plated Sturdy body construction, PA66 UL 94v-0 material
220.054	In-Line Locking Standard Blade with Tabs
220.056 220.056/10	Standard Blade Fuse Holder Supplied with Terminals and Caps Standard Blade Fuse Holder Supplied with Terminals and Caps (pack of 10)
220.074	Mounting Plate for 220.056



## Fuse Holders

Part number	
220.058	In-Line Standard Blade Fuseholder with Un-Insulated Tabs
220.060/10	In-Line Locking Blade Fuseholder with Un-Insulated Tabs (pack of 10)
220.062	Panel Mount Insertable Standard Blade Fuseholder
220.063	Maxi Blade Fuseholder, supplied with 1.5mm <sup>2</sup> - 2.5mm <sup>2</sup> Terminals and Mounting Bracket. Can be clipped together to make a multiple fuse block
Spares	
220.071	1.5mm <sup>2</sup> - 2.5mm <sup>2</sup> Terminal for 220.063 Fuse Holder
220.072	4.0mm <sup>2</sup> - 6.0mm <sup>2</sup> Terminal for 220.063 Fuse Holder
220.073	6.0mm <sup>2</sup> - 10.mm <sup>2</sup> Terminal for 220.063 Fuse Holder
220.063A	In-Line Wired Maxi Blade Fuseholder, 1mm Cable and Cap
220.069	In-Line MIDI and Strip Link Fuseholder, M5 Studs
220.069A	MIDI and Strip Link Fuseholder, M5 Studs
220.049	MEGA Fuseholder, M5 Studs

## Fuse Holders

Part number	
220.050	In-Line MEGA Fuseholder, M5 Studs
220.075	Add a Circuit with Standard Fuse
220.077	Combi-holder for Mega and Mini Fuses M5 threaded studs and Hex Nuts to secure 4 Midi Fuses M8 threaded studs and Hex Nuts to secure 1 Mega Fuse PA 6.6 GF-30 body material Heavy duty copper bus-bars included Robust holder with cover attached Overhang in the cover provides improved protection of the terminals
220.078	Quick Fit Standard Fuse Holder Economic, easy installation No special tools required Suits 0.75mm <sup>2</sup> - 1.5mm <sup>2</sup> cable
220.065	In-Line Fuseholder for Continental Fuses
220.066	In-Line Wired Glass Fuseholder, 2.0mm <sup>2</sup> Cable
220.066CWF	In-Line Wired Glass Fuseholder, 2.0mm <sup>2</sup> Cable with 30Amp Glass Fuse
220.067D	IP66 Rated In-Line Fuseholder for 32mm Glass Fuses
220.067A	IP66 Rated In-Line Fuseholder for 32mm Glass Fuses with terminals and 30Amp Glass Fuse

## Garage Lighting Equipment

### Magnetic Flexible LED Inspection Lamp

#### Part number

**310.50001** Magnetic Flexible LED Inspection Lamp

A tough, robust and compact LED inspection lamp that includes a charging station, designed for the most demanding working conditions. Ideal for professional and workshop use.

- Rechargeable and cordless for convenient use
- Compact design allows for easy storage
- Includes charging station for convenient positioning and easy recharging
- Weatherproof for outdoor use
- Virtually unbreakable polycarbonate lens
- 30 High intensity LEDs for improved light output
- Precision reflector provides wide angle light output
- Soft comfortable grip
  - 2 Hanging hooks
- Dual magnetic design
  - 120 Degree folding design
- 5 LED torch function

Light output 850 Lux (0.5m)      Operating time 5hrs (approx.)  
 Charging time 5hrs (approx.)      Battery Li-ion 2000mAh  
 Mains adapter input 230v-50Hz/output 5v -300mA and 12v in car charger.



### UV Fluorescent Leak Detection

- Opportunity      Add or inject dye into the equipment under test.  
 • Improve leak detection      Operate the system to allow proper blending.  
 • Quality control your repair work Scan with Ultraviolet (UVA), look for the glow, repair the leak.  
 • Offer a leak test with every routine service Re-scan the equipment after repairs to ensure leak has been fixed.

#### Part number

**307.RLD4**      Red Cap      Engine Oils

**307.RLD2**      Green Cap      Coolant

**307.RLD3**      Silver Cap      Water Ingress

**307.RLD1**      Blue Cap      A/C Systems

#### Part number

**310.310**      230v - 12v 25w Double PTX Mains Outlet Transformer



## Garage Lighting Equipment

### 24 LED Flat Light

#### Part number

**307.2900**      Magnetic Flexible LED Inspection Lamp  
**307.2900HV**      High Visibility Orange Magnetic Flexible LED Inspection Lamp

A tough, robust and compact LED inspection lamp that includes a charging station, designed for the most demanding working conditions. Ideal for professional and workshop use.

- Rechargeable and cordless for convenient use
- Compact design allows for easy storage
- Includes charging station for convenient positioning and easy recharging
- Weatherproof for outdoor use
- Virtually unbreakable polycarbonate lens
- 21 High intensity LEDs for improved light output
- Precision reflector provides wide angle light output
- Soft comfortable grip
  - 2 Hanging hooks
- Dual magnetic design
  - 170 Degree folding design
- 5 LED spotlight

Specifications:  
 Light output 900 Lux (0.5m)      Operating time 4hrs (approx.)  
 Charging time 4hrs (approx.)      Battery 3.7v NiMh 1200mAh  
 Mains adapter input 230v-50Hz/output 5v -300mA.



### Compact Multi-Positional LED Inspection Lamp

#### Part number      307.2550

A tough, robust and compact LED inspection lamp, designed for the most demanding working conditions. Ideal for professional and workshop use.

- Rechargeable and cordless for convenient use
- Compact design allows for easy storage
- Weatherproof for outdoor use
- Precision reflector provides wide angle light output
- Soft comfortable grip
  - 2 Hanging hooks
- Dual magnetic design
  - 170 Degree folding design

Specifications  
 Light output 650 Lux (0.5m)      Operating time\* 5hrs (approx.)  
 Charging time 4hrs (approx.)      Battery 3.7v NiMh 1200mAh  
 Mains adaptor Input 230v-50Hz / Output 5v-300mA



### 230V 11W Fluorescent Lead

#### Part number

**310.304**      Light Supplied with 5m cable with plug  
 Spare Tube - 110.PL11



### 12/24v Handlamp (supplied with 12v 24W bulb)

#### Part number

**310.305**      Supplied with 7.5m cable, Croc Clips with universal ball joint & Metal Cage  
 Spare Bulbs : 12v - 100.005 & 24v - 100.810



#### Part number

**310.309**      230v - 12v 25w PTX Mains Adaptor





## Gauges

### Model 803

Battery Discharge Indicator/Hour Meter with Lift Lockout Combines in one instrument a completely solid-state battery discharge indicator, an LCD hour meter and lift lockout, housed in a 52 mm case. Indicates state-of-charge in 10-bar LED display. Void of moving parts, this instrument is exceptionally reliable even in severe operating environments. Suitable for all electric vehicles.

Multicolour 10-bar LED displays state of charge (5 green, 3 yellow, 2 red LED's).  
Flashing red LED signals "energy reserve" alarm at 70% discharged.  
Double flashing red LED's signal "empty" alarm at 80% discharged.  
Normally closed relay opens at 80% discharge for lift lockout. This unique holding relay will only lock out at the end of a lift cycle.  
Recognizes improperly charged battery.  
Key switch activated LED display (Fuel gage electronics are energized as long as they remain connected to the battery).  
Wide range adjustable discharge profile.  
Dual reset methods in each gage: Open Circuit Reset for vehicles that exchange batteries and Charge Tracking Reset for vehicles whose batteries remain connected to the gauge during recharge.  
Hour Meter Features  
Monitors use-time throughout the equipment's lifespan.  
Records and displays up to 99,999.9 hours on its LCD, rolls over and continues to count and display.  
Hour meter LCD remains on as long as battery is connected.  
Stores latest total in EEPROM non volatile memory, without need of power.  
Operates and displays in temperatures from -40°C to +65°C under harsh conditions of vibration, shock, moisture and dust.

#### Part number

**603.803** 12/24v Solid State Battery "Fuel" Gauge and Hour Meter



### Model 900 Battery Fuel Gauge

Battery "fuel" gauge is low cost and easy to install. It is a single piece package and installs via a simple 2 wire connection. Multicoloured 10-bar (5 green, 3 yellow, 2 red) LED displays state of charge.

The top LED illuminates only when the battery is properly charged.  
Double flashing red LEDs signal "empty" alarm at 80% discharge.  
Recognizes improperly charged battery.  
Both fixed and adjustable discharge profiles are available.  
Easy to install.  
Operating Temperature: -40 to +80° C

#### Part number

**603.900R/12v** 12v Battery "Fuel" Gauge 52mm Diameter  
**603.900R/24v** 24v Battery "Fuel" Gauge 52mm Diameter



### Model 906 Battery Discharge Indicator

Battery "Fuel Gauge" indicates state-of-charge in 10-bar LED display. Solid-state. Easy to install. Ideal for golf cars, commercial cleaning equipment, mobility aids, electric bicycles, electric marine motors, medical devices and many other applications.

All principal circuits are integrated in a single chip for long life reliability.  
A 10-bar LED displays the state of charge successively, bar by bar, from full to empty.  
At 70% depth of discharge, a flashing LED signals an "energy reserve" alert.  
At 80%, alternately flashing LED's provides an "empty" status warning.  
Model 906 is compact and easily installed in panel cutouts of only 36.8 x 24.1 mm, with less than 35 mm behind panel clearance needed.  
Recognizes improperly charged battery.

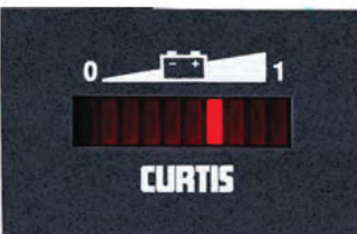
Key switch activated LED display (state-of-charge is monitored as long as 906 is connected to battery).

Two reset methods: Open Circuit Reset-OCR (for units with memory option). Upon reconnection of a battery the gauge will reset if it measures 2.09 volts/cell or higher. High Voltage Reset-HVR Gauge must measure 2.35 volts per cell for 6 continuous minutes during charging.

Operating temperature: -40°C to +85°C

#### Part number

**603.906/12v** 12v "Lead Acid" Battery Discharge Indicator  
**603.906/24v** 24v "Lead Acid" Battery Discharge Indicator



## Gauges

### Solid State Hourmeter and Counter

All-8's LCD function test: each digit displays an eight for one second after power up  
Attractive 6-digit LCD 5mm are much easier to read than electromechanical meters, which have only 3mm high digits  
Silent operation-no moving parts. Eliminates annoying gear and motor noise  
Exceptional reliability due to nonvolatile memory (EEPROM) which retains data for 25+ years  
Flashing hour glass icon indicates when the hour meter is accumulating time  
Memory will arm only when power has been applied for five seconds (with no loss of time or counts)  
Low power consumption

#### Part number

**603.700** 12-48v Solid State Hourmeter and Counter, 2 Wire



### Illuminated 52mm Dashboard Gauge

Matt black with white figure  
Bridge type fitting

#### Part number

**366.052322** 12v Battery Condition Voltmeter



### Battery Status Indicator

This monitor uses a bar graph display to give a visual indication of the battery voltage.

At switch on the monitor performs a Self Test that flashes all the LEDs on, this shows the monitor is working even if the battery voltage is below 10v (on 12v Version) or below 20v (on 24v Version).

The centre off switch allows the monitor to be switched between two batteries or off thus preventing wasteful discharge when the monitor is not being used.

Notes

Note: If the battery voltage drops below 7v on the 12v version one or two of the LEDs may light giving a false reading.

Note: If the battery voltage drops below 18v on the 24v version one or two of the LEDs may light giving a false reading battery voltage is below 10v (on 12v Version) or below 20v (on 24v Version).

The centre off switch allows the monitor to be switched between two batteries or off thus preventing wasteful discharge when the monitor is not being used.

#### Part number

**259.922** 12v Battery Status Indicator  
**259.924** 24v Battery Status Indicator



## Gloves

#### Part number

#### Box Qty

<b>800.1123</b>	Small Latex Glove Powered	100
<b>800.1124P</b>	Small Latex Glove Powder Free	100
<b>800.1125</b>	Medium Latex Glove Powered	100
<b>800.1126PF</b>	Medium Latex Glove Powder Free	100
<b>800.1127</b>	Large Latex Glove Powered	100
<b>800.1128PF</b>	Large Latex Glove Powder Free	100
<b>800.1129</b>	Extra Large Latex Glove Powered	100
<b>800.1130PF</b>	Extra Large Latex Glove Powder Free	100
<b>800.1131</b>	Small Vinyl Glove Powered	100
<b>800.1132PF</b>	Small Vinyl Glove Powder Free	100
<b>800.1133</b>	Medium Vinyl Glove Powdered	100
<b>800.1134PF</b>	Medium Vinyl Glove Powder Free	100
<b>800.1135</b>	Large Vinyl Glove Powdered	100
<b>800.1136PF</b>	Large Vinyl Glove Powder Free	100
<b>800.1137</b>	Extra Large Vinyl Glove Powered	100
<b>800.1137PF</b>	Extra Large Vinyl Glove Powder Free	100



## Gloves



800.1141	Blue Powdered Nitrile Gloves Medium	100
800.1142PF	Blue Powder Free Nitrile Gloves Medium	100
800.1143	Blue Powdered Nitrile Gloves Large	100
800.1144PF	Blue Powder Free Nitrile Gloves Large	100
800.1145	Blue Powdered Nitrile Gloves Extra Large	100
800.1145PF	Blue Powder Free Nitrile Gloves Extra Large	100
800.1150PF	Black Powder Free Nitrile Gloves Large	100
800.1151PF	Black Powder Free Nitrile Gloves Extra Large	100

## Grease Guns and Accessories



### Grease Guns

#### Part number

800.152	Heavy Duty Grease Gun Side Lever, Bulk Fill or Cartridge Rigid Stem and Four Jaw Connector
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800.154A	12" Flexible High Pressure Hose 1/8" BSP
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800.153	Four Jaw Hydraulic Grease Gun Connector
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800.154	Lithium 2EP Grease 400ml Cartridge
800.154C	Molythium Grease LM2 400ml Cartridge

### Grease Nipples

Straight - Imperial

#### Part number

1028.8500/50	1/4" UNF	Pk Qty	50
1028.8510/50	1/8" gas/BSP	Pk Qty	50

Straight - Metric

#### Part number

1028.8530/50	6 x 1mm	Pk Qty	50
1028.8532/50	8 x 1mm	Pk Qty	50
1028.8536/50	10 x 1mm	Pk Qty	50

Angled - Imperial

#### Part number

1028.8511/50	1/8" Gas/BSP	Pk Qty	50
1028.8514/50	1/4" Gas/BSP	Pk Qty	50

Angled - Metric

#### Part number

1028.8531/50	6 x 1mm	Pk Qty	50
1028.8533/50	8 x 1mm	Pk Qty	50
1028.8537/50	10 x 1mm	Pk Qty	50

## Grease Guns and Accessories

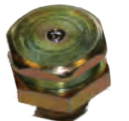
### Long Grease Nipple

Part number		Pk Qty
1028.8502/50	1/4" UNF Long	50



### Hex Grease Nipple

Part number		Pk Qty
1028.8512/50	1/8" Gas/BSP	50



## Hand Washers

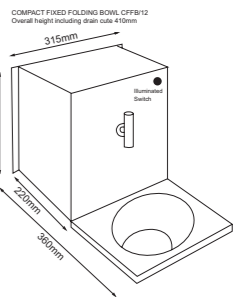
### Classic Compact

Part number	876.CPLB/12	876.CPLB/24
	12v with loose stainless steel bowl	24v with loose stainless steel bowl

These self contained units carry their own water supply and run off a vehicles electrical system.

The Tealectric Compact is designed for smaller service vehicles and provides four to six handwashes from each filling.

- Takes around 40 minutes to heat from 10C - 45C
- 3.9 litre water tank
- Thermostatically controlled
- For total safety, the 180 watt element (sheathed in stainless steel) is always covered by water
- Unique 'TEAL.Steel' exterior in 0.5mm brushed stainless steel
- Water tanks manufactured from 0.5mm food grade copper; all joints brazed with non-toxic, lead free solder
- Energy saving 25mm polyester thermowrap insulation also protects against frost
- The one piece bowls are fabricated from 0.9mm food quality, polished stainless steel; spring loaded to close against rubber stops
- Integral illuminated power switch and standard female automotive 20amp plug connector. 20amp fuse holder and fuse remote fitting.
- Provides 4-6 handwashes per fitting.
- Drain chute on the CPFFB model is moulded from black high impact polystyrene



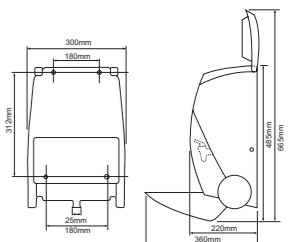
### Handeman

Part number	876.HANDEMAN12V	876.HANDEMAN24V
	12v with loose stainless steel bowl	24v with loose stainless steel bowl

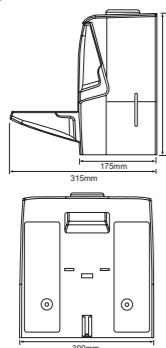
These self contained units carry their own water supply and run off a vehicles battery enabling 12 and 24 volt versions.

- Finger-tip tap operation
- 10 washes per fill
- Thermostatically controlled
- No plumbing
- Comfy and effective water temperature of 45C (+/-2C)
- Two litre waste-safe holds all dirty water
- Electronic control
- Battery safe
- Fuse and mounting bracket supplied; two wire fitting
- 'No water' safety cut-out
- Meets European EMC Automotive Directive 95/94/EC
- Tough, fully moulded polyethylene for internal or external fitting
- Weight empty: 3kg
- Weight full: 5.3kg
- Max capacity: 2.5 litres (2 Litres usable)

12V 180 watt / 15 amp & 24v 240 watt / 10amp



## Hand Washers



### Tealwash

Part number	876.TEALWASH12V	876.TEALWASH24V
	12V 300 watt 25 amp max	24V 300 watt 15 amp max

The new TEALWASH sets new standards for staff health and hygiene and with high durability and fit and forget features.

Designed and made to last. The bowl, tank and lid are double skinned and moulded in high impact resistant polythene.

Assured toughness and durability with better insulation for the hot water.

Easy to install.

Well located mounting holes help to position the unit in the right place, outside or inside the vehicle.

- Fully automatic operation. No separate switch needed
- Heater only operates when engine is running and battery fully charged
- Fast heating; 2-3 hot washes in 10 minutes
- No water safety 'Lock-Out'
- 43C - 46C ideal water temperature
- Generous full opening lid for fast filling.
- Complete with 1m-25mm flexible waste tube
- E-marked in compliance with the European EMC Automotive Directive 95/54/EC
- Unique 7-jet spray means a through handwash under hot, running water, at just the right temperature
- Electronic control means no drain on power
- Suitable for Service vans, Waste lorries, Emergency response vehicles & Catering vans



Looking for:  
Heaters  
go to  
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## Heat Shrink

### Heat Shrink 2 to 1

Single Wall Polyolefin. Operating temperature: -55 up to +125°C. Conforms to SAE. Available in 1, 5 and 10 metre packs.



Part number	Measurement when Flattened	
510.001	2.4 - 1.2mm Shrink Range	4mm
510.002	3.2 - 1.6mm Shrink Range	5mm
510.003	4.8 - 2.4mm Shrink Range	8mm
510.004	6.4 - 3.2mm Shrink Range	10mm
510.004RED	6.4 - 3.2mm Shrink Range RED	10mm
510.005	9.5 - 4.8mm Shrink Range	15mm
510.005RED	9.5 - 4.8mm Shrink Range	15mm
510.006	12.7 - 6.4mm Shrink Range	20mm
510.006RED	12.7 - 6.4mm Shrink Range RED	20mm
510.007	19.0 - 9.6mm Shrink Range	33mm
510.007RED	19.0 - 9.6mm Shrink Range RED	33mm
510.008	25.4 - 12.7mm Shrink Range	40mm
510.008RED	25.4 - 12.7mm Shrink Range RED	40mm
510.009	38.1 - 19.1mm Shrink Range	65mm
510.010	51.0 - 25.4mm Shrink Range	-
510.011	76.0 - 38.0mm Shrink Range	-
510.012	102.0 - 51.0mm Shrink Range	-

### Heat Shrink Adhesive 3 to 1

Dual Wall Polyolefin. Operating temperature: -55 up to 110°C. Conforms to SAE. 1.2m Lengths



Part number	Measurement when Flattened	
510.ADH001/1	3.0 - 1.0mm Shrink Range	5mm
510.ADH002/1	6.0 - 2.0mm Shrink Range	10mm
510.ADH003/1	9.0 - 3.0mm Shrink Range	15mm
510.ADH004/1	12.0 - 4.0mm Shrink Range	20mm
510.ADH005/1	18.0 - 6.0mm Shrink Range	30mm
510.ADH006/1	24.0 - 10.0mm Shrink Range	40mm

## Horns

### Electromagnetic Disc Horn

90mm diameter, 112 dB(A), twin pole, complete with mounting hardware

#### Part number

830.045	12v 420Hz High Note
830.046	12v 335Hz Low Note
830.047	24v 420Hz High Note
830.048	24v 335Hz Low Note
830.054	36/48v 420Hz High Note



### Electromagnetic Trumpet Horn

90mm diameter, 109 dB(A), twin pole, complete with mounting hardware

#### Part number

830.051	12v 490Hz High Note
830.052	24v 410Hz Low Note
830.053	24v 490Hz High Note
830.040	Electric Air Horn c/w Compress 12v 139db Output
830.041	Electric Air Horn c/w Compress 24v 139db Output



## Hose Clips

### Hose Clips

Part number		Pk Qty
400.000/20	8-12mm (OOO) Hose Clips	20
400.MOO/20	9-16mm (MOO) Hose Clips	20
400.OO/20	12-20mm (OO) Hose Clips	20
400.O/20	12-22mm (O) Hose Clips	20
400.OX/20	16-27mm (OX) Hose Clips	20
400.1A/20	20-32mm (1A) Hose Clips	20
400.1/20	23-35mm (1) Hose Clips	20
400.1X/20	25-40mm (1X) Hose Clips	20
400.1XX/20	30-45mm (1XX) Hose Clips	20
400.2A/20	32-50mm (2A) Hose Clips	20
400.2/20	40-55mm (2) Hose Clips	20
400.2X/20	40-60mm (2X) Hose Clips	20
400.3/20	50-70mm (3) Hose Clips	20
400.3X/20	60-80mm (3X) Hose Clips	20
400.4/20	70-90mm (4X) Hose Clips	20
400.4X/20	80-100mm (4X) Hose Clips	20



### Petrol Pipe Clips

Part number		Pk Qty
400.911/20	9mm-11mm Petrol Pipe Clip	20
400.1113/20	11mm-13mm Petrol Pipe Clip	20
400.1315/20	13mm-15mm Petrol Pipe Clip	20
400.1517/20	15-17mm Petrol Pipe Clip	20



# Inverters and Converters

Looking for:  
**Inspection Lamps**  
go to *Page 1.83*

## Ring Modified Sine Wave Inverters

- Low battery shutdown protection
- Overload Protection
- Low battery voltage alarm
- Over voltage protection

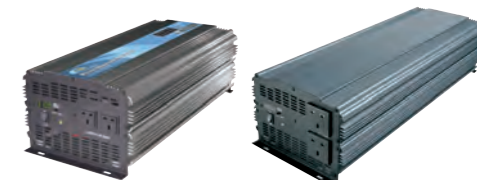


	307.150W/12V
Max Power Rating (W) 5mins	150
Continuous Power Rating (W)	120 (4 hours)
Peak Power (W) 0.01 Seconds	300
Stand By Current (amps)	<0.15
Wave form	Modified Sine
Input Voltage Range	10-15 Vdc
Additional Leisure Battery Clips	✗
Fused Cigarette Lighter Plug	✓
Scratch Resistant Anodised Finish	✓
Included Wireless Remote control	✗
USB Charging Socket	✗
Efficiency	90%
240v AC Socket (BS Approved)	3 Pin x 1
Fuse (amps)	15
Weighty (Kgs)	0.65
Dimensions	225 x 182 x 70mm

	307.500W/12V
Max Power Rating (W) 5mins	500
Continuous Power Rating (W)	400 (4 hours)
Peak Power (W) 0.01 Seconds	1000
Stand By Current (amps)	<0.3
Wave form	Modified Sine
Input Voltage Range	10-15 Vdc
Additional Leisure Battery Clips	✓
Fused Cigarette Lighter Plug	✓
Scratch Resistant Anodised Finish	✓
Included Wireless Remote control	✗
USB Charging Socket	✗
Efficiency	90%
240v AC Socket (BS Approved)	3 Pin x 2
Fuse (amps)	70
Weighty (Kgs)	1.47
Dimensions	280 x 280 x 68mm

\* Plus multiple high wattage applications including washing machines, microwave ovens, vacuum cleaners and many more

# Inverters and Converters



	307.1100W/12V
Max Power Rating (W) 5mins	1100
Continuous Power Rating (W)	1100 (12 hours)
Peak Power (W) 0.01 Seconds	2200
Stand By Current (amps)	<0.16
Wave form	Modified Sine
Input Voltage Range	10-15 Vdc
Additional Leisure Battery Clips	✗
Fused Cigarette Lighter Plug	✗
Scratch Resistant Anodised Finish	✓
Included Wireless Remote control	✗
USB Charging Socket	✓
Efficiency	90%
240v AC Socket (BS Approved)	3 Pin x 2
Fuse (amps)	30 x 4
Weighty (Kgs)	2.73
Dimensions	343 x 198 x 120mm

	307.1124W/24V
Max Power Rating (W) 5mins	1100
Continuous Power Rating (W)	1100 (12 hours)
Peak Power (W) 0.01 Seconds	2200
Stand By Current (amps)	<0.16
Wave form	Modified Sine
Input Voltage Range	21-29 Vdc
Additional Leisure Battery Clips	✗
Fused Cigarette Lighter Plug	✗
Scratch Resistant Anodised Finish	✓
Included Wireless Remote control	✗
USB Charging Socket	✓
Efficiency	90%
240v AC Socket (BS Approved)	3 Pin x 2
Fuse (amps)	30 x 4
Weighty (Kgs)	2.73
Dimensions	343 x 198 x 120mm

	307.2100W/12V
Max Power Rating (W) 5mins	2100
Continuous Power Rating (W)	2100 (12 hours)
Peak Power (W) 0.01 Seconds	4200
Stand By Current (amps)	<0.45
Wave form	Modified Sine
Input Voltage Range	10-15 Vdc
Additional Leisure Battery Clips	✗
Fused Cigarette Lighter Plug	✗
Scratch Resistant Anodised Finish	✓
Included Wireless Remote control	✓
USB Charging Socket	✗
Efficiency	90%
240v AC Socket (BS Approved)	3 Pin x 2
Fuse (amps)	40 x 8
Weighty (Kgs)	6.61
Dimensions	465 x 306 x 162mm

	307.2024W/24V
Max Power Rating (W) 5mins	2100
Continuous Power Rating (W)	2100 (12 hours)
Peak Power (W) 0.01 Seconds	4200
Stand By Current (amps)	<0.45
Wave form	Modified Sine
Input Voltage Range	21-29 Vdc
Additional Leisure Battery Clips	✗
Fused Cigarette Lighter Plug	✗
Scratch Resistant Anodised Finish	✓
Included Wireless Remote control	✓
USB Charging Socket	✗
Efficiency	90%
240v AC Socket (BS Approved)	3 Pin x 2
Fuse (amps)	40 x 8
Weighty (Kgs)	6.61
Dimensions	465 x 306 x 162mm

	307.3100W/12V
Max Power Rating (W) 5mins	3100
Continuous Power Rating (W)	3100 (12 hours)
Peak Power (W) 0.01 Seconds	6200
Stand By Current (amps)	<0.5
Wave form	Modified Sine
Input Voltage Range	10-15 Vdc
Additional Leisure Battery Clips	✗
Fused Cigarette Lighter Plug	✗
Scratch Resistant Anodised Finish	✓
Included Wireless Remote control	✓
USB Charging Socket	✗
Efficiency	90%
240v AC Socket (BS Approved)	3 Pin x 2
Fuse (amps)	40 x 12
Weighty (Kgs)	9.55
Dimensions	540 x 312 x 225mm

	307.6000W/12V*
Max Power Rating (W) 5mins	6000
Continuous Power Rating (W)	6000 (12 hours)
Peak Power (W) 0.01 Seconds	12000
Stand By Current (amps)	<0.6
Wave form	Modified Sine
Input Voltage Range	10-15 Vdc
Additional Leisure Battery Clips	✗
Fused Cigarette Lighter Plug	✗
Scratch Resistant Anodised Finish	✓
Included Wireless Remote control	✓
USB Charging Socket	✗
Efficiency	90%
240v AC Socket (BS Approved)	3 Pin x 2
Fuse (amps)	40 x 24
Weighty (Kgs)	11.6
Dimensions	760 x 340 x 240mm

## Pure Sine Wave Inverter

- Lower distortion rate than modified sine wave inverters
- Replicated normal 240 mains supply
- Compatible with all inductive and capacitive loads
- Improved performance for audio and video equipment.



	307.1200P	307.2200P
Continuous Power Rating (W)	1200	2200
Peak Power (W)	2400	4400
Stand By Current (amps)	< 1.0	< 1.0
Output Frequency	50Hz	50Hz
Wave form	Pure Sine Wave	Pure Sine Wave
Total Harmonic Distortion	< 3%	< 3%
Input Voltage Range	10V-15V	10V-15V
Low Battery Alarm	10.7V	10.7V
Low Battery Shut Down	10.0V	10.0V
Efficiency	>85%	>85%
Sockets	1	2
Weighty (Kgs)	4.99	6.26
Dimensions	424 x 236 x 84mm	14 x 284 x 99mm



**IF WE SOLD IT  
WE'LL SORT IT**

Free two year product warranty available on most products\*

\*Excludes bulbs, tubes & chemicals. Warranty starts from invoice date. Other terms & conditions apply. Ask for details.



## Inverters and Converters

### Voltage Converters

Waller voltage converters will operate over a wider input voltage and at a lower cranking voltage than rival designs. Different versions are available to support a wide range of applications, typically for mobile communications and a growing variety of portable devices. All versions are highly efficient and extremely compact and all offer intelligent protection against overload, reverse polarity and short circuits.



Part Number	251.001	251.002	251.003	251.004
Type	Switch Mode Non-isolated	Switch Mode Non-isolated	Switch Mode Non-isolated	Switch Mode Non-isolated
Input (VDC)	15-38	15-38	15-38	18-55
Output (VDC)	13.2	13.2	13.2	13.2
Constant Current (100% duty cycle) (A)	3.8	6.8	10	4
Intermittant (30% duty cycle) (A)	7	11	14	7
Quiescent Current (mA)	<15	<15	<15	<15
Oscillator Frequency (KHz)	60	60	60	60
Over Load Protection	✓	✓	✓	✓
Reverse Polarity Protection	✓	✓	✓	✓
Short Circuit Protection	✓	✓	✓	✓
Soft Shutdown	✓	✓	✓	✗
Efficiency (approx)	91%	90%	89%	90%
Connection	4 x Spade Terminals	4 x Spade Terminals	4 x Spade Terminals	4 x Spade Terminals
Dimensions (mm)	69 x 74 x 31	79 x 74 x 31	89 x 74 x 31	79 x 74 x 31

## Inverters and Converters



Part Number	251.005	251.008	251.006	251.007
Type	Switch Mode Non-isolated	Switch Mode Non-isolated	Switch Mode Fully isolated	Switch Mode Fully isolated
Input (VDC)	19-55	15-38	17.5-38	17.5-38
Output (VDC)	13.2	13.2	13.2	13.2
Constant Current (100% duty cycle) (A)	8	15	4	8
Intermittant (30% duty cycle) (A)	11	18	8	12
Quiescent Current (mA)	<15	<15	<50	<50
Oscillator Frequency (KHz)	60	60	60	60
Over Load Protection	✓	✓	✓	✓
Reverse Polarity Protection	✓	✓	✓	✓
Short Circuit Protection	✓	✓	✓	✓
Soft Shutdown	✗	✓	✗	✗
Efficiency (approx)	89%	90%	90%	90%
Connection	4 x Spade Terminals	5 x Spade Terminals	4 x Spade Terminals	4 x Spade Terminals
Dimensions (mm)	89 x 74 x 31	90 x 74 x 31	119 x 74 x 31	129 x 74 x 31



### Voltage Converters

#### Part number

251.E797 60amp 24-12v Voltage Converter

#### 12-24v Step Up Voltage Converter

Input voltage 12-15vdc Output voltage 24v dc  
Overload protected (External Fuse), Polarity protected, High Temperature protected, Short circuit protected (External Fuse). Output protected (External Fuse). Efficiency 85% Stability 2.5%

#### Part number

251.ABM12D12CN 12-24v Step Up Voltage Converter

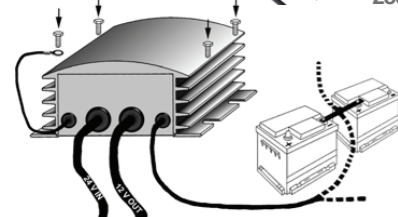


#### 24-12v Transistorised Trailer Dropper

Allows the use of 12v trailers on vehicles with 24v operating voltage. The trailer connecting unit makes a separate voltage transformer or a voltage converter with 8A 12v necessary.

#### Part number

255.122 24-12v Transistorised Trailer Dropper (Hella 5DS 008 125 001)



### 24v 5A Charge Compensators

For vehicles with 24v operating voltage.

The voltage transformer detects the voltages of the two 12v batteries.

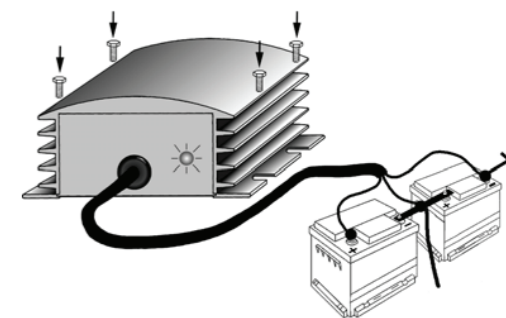
The voltage transformer produces an equalising current if the battery on the earth side supplies less voltage. Operation of the device is indicated by a light emitting diode. Thus, 12v consumers can be connected to the battery on the earth side.

The capacity of the voltage transformer depends on the average power drawn by all of the 12v consumers. If a conventional voltage transformer is used, the devices capacity is to correspond to the maximum power drawn by all of the 12v consumers.

Therefore, simply add up the average power consumption of all 12v consumers. The device is connected via 3 leads: one lead connects to 24v, the second to earth and the third to the entre cap between the batteries.

#### Part number

365.8ES008123001 24v 5A Charge Compensators



### 24N-12N Adaptor 24v to 12v Voltage Reducer Dropper Converter

Simple plug and play adaptor that has a built in voltage dropper to allow 12 volt trailers to be used on 24 volt vehicles without changing bulbs or wiring in messy and often unreliable converters.

Converts 24v 24N 7 pin ISO 1185 to 12v 12N 7 Pin ISO 1724

#### Part number

251.24N12N 24v - 12v 7 Pin Plug N Socket to 12N 13 Pin Socket



## Ludo McGurk

### Auto Eject Systems

#### Super Auto Eject

The new Super Auto Eject is a completely sealed automatic power line disconnect. This prevents contamination of the mechanism by road dirt and ensures long reliable life even when mounted in the most severe environment. A novel internal switch arrangement closes and opens the A.C. circuit after the mating connector is inserted and before the connector is ejected. This eliminates arcing at the connector contacts and assures long contact life. As with all Auto Ejects, the Super Auto Eject is connected to the starter circuit so that ejection occurs when the engine is cranked.

#### Part number

326.0915515DC12	12v 15 amp Super Auto Eject 240v
326.0915515120/12	12v 15 amp Super Auto Eject 115v
326.0915515DC24	24v 15 amp Super Auto Eject 240v
326.0915515120/24	24v 15 amp Super Auto Eject 115v

326.09155133	Grey Waterproof cover with Blue Flap
326.09155134	Grey Waterproof cover with Yellow Flap

#### Spares and Accessories

#### Part number

326.515PH	120v 15 amp Rubber Connector
326.615PH	250v 15 amp Rubber Connector
326.09155069	Rubber Connector Projector



### Assembled Shorelines

Rating 115v or 230v AC, 50Hz, 13A or 15A  
Length Contracted:600mm  
Length Extended:2000mm  
Weight: 0.72Kg

#### Part number

326.091KIT18SR240B	Short Recoil Cable with 230v Blue BS4343 Connector
326.091185510240D	Short Recoil Cable with 230v 13 amp 3 pin Duraplug
326.09118SR115Y	Short Recoil Cable with 115v Yellow BS4343 Connector



## Mains Products

#### Part number

240.070	RCD 13 amp Adaptor
---------	--------------------



240.071	Rubber 3 Pin Mains Plug
---------	-------------------------



240.072	1 Way Extension Socket Mains
---------	------------------------------



## Mains Products

240.074	2 Way Extension Socket Mains
---------	------------------------------

240.077	3 Pin Plug and Socket
240.077A	2 Pin Plug and Socket

240.076	4 Way Mains Socket with 1m of Cable
---------	-------------------------------------

240.102	25m Extension Reel with Metal Stand
240.110	50m Extension Reel with Metal Stand



### Industrial Plugs and Sockets

#### Part number

240.080	110v 16 amp 3 Pin Yellow Plug 2P + E
240.081	110v 32 amp 3 Pin Yellow Plug 2P + E

240.082	240v 16 amp 3 Pin Blue Plug 2P + E
240.083	240v 32 amp 3 Pin Blue Plug 2P + E

240.084	110v 16 amp 3 Pin Yellow Socket 2P + E
240.085	110v 32 amp 3 Pin Yellow Socket 2P + E

240.086	240v 16 amp 3 Pin Blue Socket 2P + E
---------	--------------------------------------

240.087	240v 32 amp 3 Pin Blue Socket 2P + E
240.091	240v 32 amp Blue Angled Socket 2P + E

240.092	110v 32 amp Yellow Angled Socket 2P + E
---------	---



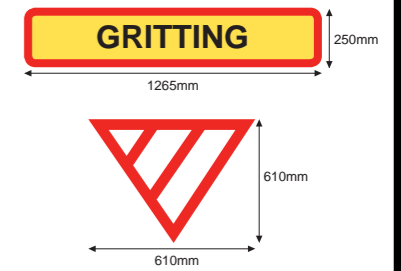
# Marker Boards and Haz Chem Plates



		Part Number	
		350.757	400 x 300mm ADR Haz Chem Holder
		350.758	400 x 300mm ADR Haz Chem Plate
		350.764	400 x 300mm Reflective Plate Folds on Horizontal Axis
		350.764A	400 x 300mm Reflective Plate Folds on Vertical Axis
		350.1000	Wide Vehicle Type 4 Aluminium 1265 x 225mm
		350.1001	Wide Vehicle Type 5 Aluminium 1 pair 525 x 225mm
		350.1002	Wide Load Type 4 Aluminium 1265 x 225mm
		350.1003	Wide Load Type 5 Aluminium 1 Pair 525 x 225mm
		350.1004	Long Load Type 4 Aluminium 1265 x 225mm
		350.1005	Long Vehicle Type 4 Aluminium 1265 x 225mm
		350.1006	Long Vehicle Type 5 Aluminium 1 Pair 525 x 225mm
		350.1007	Slow Moving Type 4 Aluminium 1265 x 225mm
		350.1008	Slow Moving Type 5 Aluminium 1 Pair 525 x 225mm
		350.1009	Slow Vehicle Type 4 Aluminium 1265 x 225mm
		350.1010	Slow Vehicle Type 5 Aluminium 1 Pair 525 x 225mm
		350.1011	Motorway Maintenance Type 4 Aluminium 1265 x 225mm
		350.1012	Highway Maintenance Type 4 Aluminium 1265 x 225mm

# Marker Boards and Haz Chem Plates

350.1013	Gritting Type 4 Aluminium 1265 x 225mm
350.1014	Front/Rear Load Projection Marker Aluminium 610x 610mm



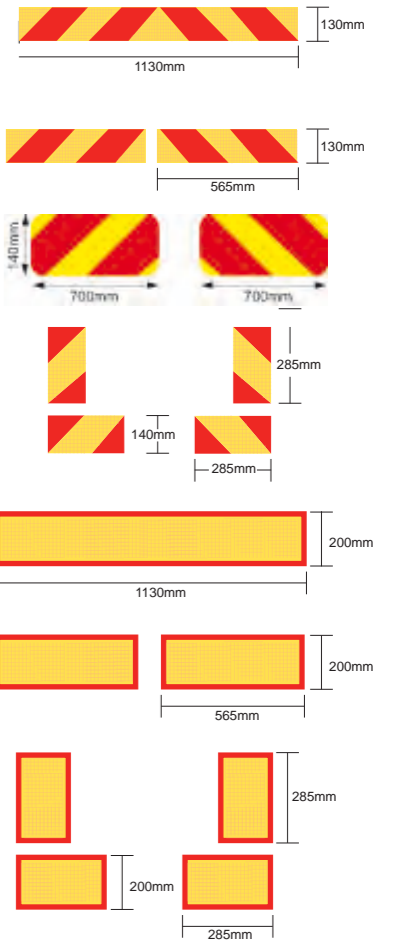
## School Bus Sign

Part Number	
350.1016	School Bus Aluminium



## Chevrons

Part Number	
350.9931	ECE70 Type 261 Aluminium 1130 x 130
350.9931A	ECE70 Type 261 Self Adhesive 1130 x 130
350.9932	ECE70 Type 262 Aluminium 565 x 130mm
350.9932A	ECE70 Type 262 Self Adhesive 65 x 130mm
350.752A	BS AU152 Type T2/3 Self Adhesive 700 x 140mm
350.9934	ECE70 Type 263 Aluminium 285 x 140mm
350.9935	ECE70 Type 264 Aluminium 1130 x 200mm
350.9936	ECE70 Type 265 Aluminium 565 x 200mm
350.9938	ECE70 Type 266 Aluminium



## STGO Plates

Part Number	
350.STGO-Cat1	STGO Plates CAT 1
350.STGO-Cat2	STGO Plates CAT 2
350.STGO-Cat3	STGO Plates CAT 3



## Marker Boards and Haz Chem Plates

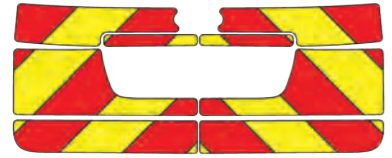



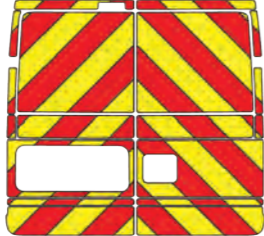

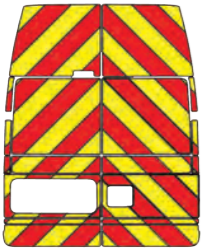

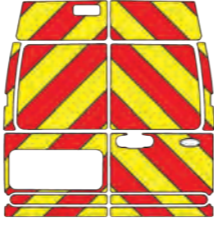
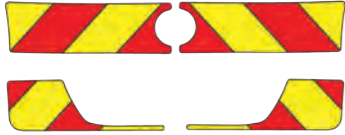
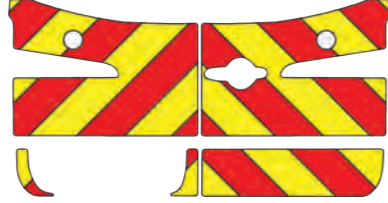


### Vehicle Livery

Please ensure that all parts match prior to fitting as Dun-Bri Group will not be held responsible for model changes.

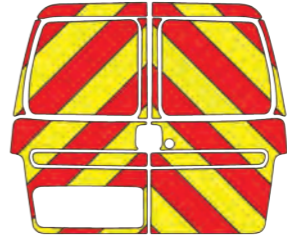
Materials  
Nikkalite Red and Nikkalite High S Cal Fluorescent Yellow.

Each Kit comes complete with door reflector kit and fitting guide. **Other makes and models available on request.**

Below are a selection of the most popular kits available.

<p>Ford Focus Estate 2008 Part Number 350.VLFOFORE08</p> 	<p>Ford Mondeo Estate 2007 Part Number 350.VLFOMORE09</p> 	<p>Ford Transit - Half Kit 2000 Part Number 350.VLFOTLRV07</p> 												
<p>Ford Transit Connect - Half Kit 2000 Part Number 350.VLFOTCRV08</p> 	<p>Ford Transit STD Roof 2005 Part Number 350.VLFOTSRV09</p> 	<p>Ford Transit Connect STD Roof 2002 Part Number 350.VLFOTCRV09</p> 												
<p>Ford Transit Medium Roof 2005 Part Number 350.VLFOTMR09</p> 	<p>Ford Transit Connect High Roof 2005 Part Number 350.VLFOTHRV09</p> 	<p>Ford Transit Connect High Roof 2002 Part Number 350.VLFOCLRV09</p> 												
<p>Vauxhall Astra Estate/Van 2005 Part Number 350.VLVAHRV07</p> 	<p>Merc Sprinter - Half Kit 2007 Part Number 350.VLMESLRV08</p> 	<p>Merc Sprinter High Roof 2007 Part Number 350.VLMESGRV09</p> 												
 <table border="1"> <thead> <tr> <th colspan="3">Highway Maintenance Board</th> </tr> <tr> <th colspan="3">Part Number</th> </tr> </thead> <tbody> <tr> <td>350.9940</td> <td>2100 x 350 x 1.5mm</td> <td></td> </tr> <tr> <td>350.9941</td> <td>2100 x 500 x 1.5mm</td> <td></td> </tr> </tbody> </table>			Highway Maintenance Board			Part Number			350.9940	2100 x 350 x 1.5mm		350.9941	2100 x 500 x 1.5mm	
Highway Maintenance Board														
Part Number														
350.9940	2100 x 350 x 1.5mm													
350.9941	2100 x 500 x 1.5mm													

## Marker Boards and Haz Chem Plates

<p>Peugeot Partner 2003 Part Number 350.VLPERARV03</p> 	<p>Peugeot Partner 2003 Part Number 350.VLPEPARV03</p> 	<p>LDV Maxus 2005-2009 Part Number 350.VLLDMXR08</p> 
<p>LDV Maxus 2005-2009 Part Number 350.VLLDMXR08</p> 	<p>Iveco Daily High Roof 2006 Part Number 350.VLIVDHRV99</p> 	<p>Iveco Daily High Roof 2006 Part Number 350.NLIDVHRV99</p> 

Other makes and models available.

### Chapter 8: Conspicuity

05.2.1 Any vehicle stopping on the highway for works purposes or inspections should be of a conspicuous colour (e.g. yellow or white). A non-reflective yellow colour, No 355 (lemon) to Table 1 of 381c: 1996 <sup>TM</sup>Specification for colours for identification, coding and special purposes. is recommended.

05.2.2 Subject to the specific requirements of the following sections, any works vehicles that are used to protect the workforce or form part of the signing of the works should be of conspicuous colour and appropriate marking. This is particularly important for that part of the vehicle visible to drivers and prescribed as part of any sign mounted on the vehicle.

05.2.3 In addition, on high-speed roads all vehicles stopping on the highway for works purposes or inspections shall be equipped with high visibility rear markings. High visibility rear markings should comprise either:

- Signing to diagram 7403, or
- The alternative light arrow sign in accordance with section 010.8, or
- Chevron markings comprising alternate strips of fluorescent orange-red retro reflective material and fluorescent yellow non reflective material, of not less than 150mm width each inclined at 45 . 60 degrees to the horizontal and pointing upwards, or
- A solid block of fluorescent orange-red retro reflective material.

The markings described in ( c ) and ( d ) above should cover as much of the rear-facing portion of the vehicle as possible without obscuring windows, vehicle lighting or registration plates.

05.2.4 Red retro reflective tape shall also be applied to all rear facing edges of open doors, guardrails and equipment lockers.

05.2.5 Where rear facing high visibility markings may be obscured by any device mounted on the vehicle (e.g. lorry-mounted crash cushion (LMCC) or cone laying adaptation), at any time that the vehicle is stopped on a high-speed road additional markings complying with paragraph 05.2.3 ( c ) or ( d ) shall be applied to any face of the device which is displayed to the rear and other road users.

05.2.6 Works vehicles should be kept clean to maintain conspicuity.

05.2.7 Motor vehicles with a maximum gross weight exceeding 7.5 tonnes and trailers with a maximum gross weight exceeding 3.5 tonnes must be fitted with rear markings in accordance with the Lighting Regulations.

05.2.8 Maintenance vehicles shall be identified by displaying to the rear, the sign to diagram 7404 <sup>TM</sup>"HIGHWAY MAINTENANCE". The sign to diagram 7404 variant "MOTORWAY MAINTENANCE" may be used instead when working on motorways only.

05.2.9 Other plant and equipment should be painted in a conspicuous colour.

This guide is provided from extracts from Chapter 8 the Traffic Signs Manual. Which deals with all aspect of vehicles working on highways Chapter 8 is a guideline only and not law, but larger companies are requiring compliance for vehicles to work on their sites.



# Marker Boards and Haz Chem Plates

**ECE 104 Contour Tape** - A newly registered vehicle after July 10th 2011 will require EC104 Contour Tape to be fitted

Basic layout



Tractor units are exempt from requirements



Marking required on rigid vehicle cab

Skip loader - side view



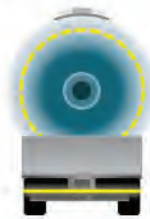
Skip loader - rear view



Tanker - side view



Tanker - rear view



Line marking



Rear markings

Skeletal trailer - rear view



When using ECE 104 conspicuity tape, the following contour marking requirements should be observed for trucks exceeding 7.5 tons (N2 and N3) and trailers exceeding 3.5 tons (O3 and O4).


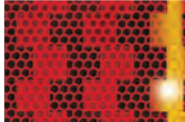

**Rear**  
Full contour marking required. Only red or amber can be used. Conspicuity marking must be as close as possible to the edge of the vehicle. The cumulative length should also equate to 80% of the overall width of the vehicle, including marker boards.

**Side**  
Full or partial contour marking required. Conspicuity marking must be as close as possible to the edge of the vehicle and reach within 600mm of the ends. The cumulative length should also equate to 80% of the overall length of the vehicle, excluding the length of the cab for motor vehicles and drawbar for trailers.

**Lower Elements**  
As low as possible, but within a range of not less than 250mm above ground and not more than 1500mm high.

**Upper Elements**  
As high as possible, but within 400mm of the upper extremity of the vehicle. For partial contour markings, each upper corner shall be described by two lines at 90 degrees of each other and at least 250mm in length.

## Rigid Grade Contour Tape (Avery Dennison metallised Reflective)

Part number	
	350.CTEC104W 350.CTEC104W50
	50mm x 12.5m White 50mm x 50m White
	350.CTEC104R 350.CTEC104R50
	50mm x 12.5m Red 50mm x 50m Red
	350.CTEC104A 350.CTEC104A50
	50mm x 12.5 Amber 50mm x 50m Amber

## Curtain Grade Contour Tape (Avery Dennison metallised Reflective)

	350.CTCGEC104A50	50mm x 50m Amber
	350.CTCGEC104W50	50mm x 50m White

# MOT Plates and License Holders

Looking for:  
**Nuts and Bolts**  
go to  
Page 1.69



Part Number	
1035.883	Double Licence Holder
1035.887	VTG6 MOT Holder - Heavy Duty
1035.888	VTG6 MOT Holder with License Holder - Heavy Duty
1035.889	VTG6 MOT Holder - Lightweight



# Personal Protective Equipment

Part Number	
800.130	Medium Heavy Fabric Glove with PVC Dipped Coating
800.131	PVC Fully Coated Gauntlet



## Eye Protection

Part Number	
800.041	Professional Safety Goggles to EN166.1.B.3.4.9 Cat 2
800.042	Safety Spectacles to EN166F



## Ear Protection

Part Number	
877.41066	Ear Plugs to EN352-2:1993
877.19154	Ear Defenders to EN 352-1



# Personal Protective Equipment

## Nose & Mouth



**Part Number**  
877.44136 Combined Vapour and Dust Filter Respirator



877.44137 2 x Spare Filter



877.43276 50 Basic Disposable Nuisance Dust Masks



877.18063 Dust Masks

## Head Protection

### Part Number



877.63307 White Safety Helmet Conforms to EN 397



877.63308 Blue Safety Helmet Conforms to EN 397



877.54868 Yellow Safety Helmet Conforms to EN 397



877.69933 Safety Helmet, Ear Defenders and Visor



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# Plugs and Sockets (Commercial)

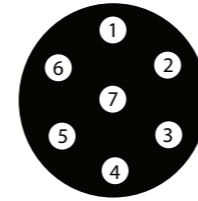
Looking for:  
**Towing, 12v Plugs & Sockets**

go to  
**Page 1.174**



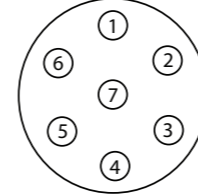
## Commercial Plugs and Sockets

### 24N ISO 1185



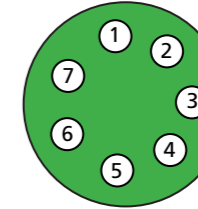
- 1 White Earth
- 2 Black Left Position Markers
- 3 Yellow Left Side Indicators
- 4 Red Brake light
- 5 Green Right Side Indicators
- 6 Brown Right Position Markers
- 7 Blue Control of trailer brakes

### 24S ISO 3731



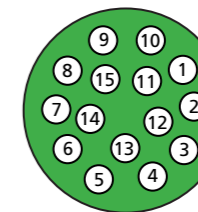
- 1 White Earth
- 2 Black Not Used
- 3 Yellow Reversing Lights
- 4 Red Power Supply (continuous positive)
- 5 Green Indicator feature over earth
- 6 Brown Power supply over ignition switch
- 7 Blue/White Rear Fog Lights

### ABS/EBS ISO 7638



- 1 Red Positive, solenoid valve
- 2 Black Positive, electronics
- 3 Yellow Negative, electronics
- 4 Brown Negative, solenoid valve
- 5 White Warning device
- 6 White/Green Dataline
- 7 White/Brown Dataline

### 15 PIN ISO 12098



- 1 Yellow Flasher Light, Left
- 2 Green Flasher Light, Right
- 3 Blue Rear Fog Light
- 4 White Earth for contact, 1-3 & 5-12
- 5 Black Left Position Markers
- 6 Brown Right Position Markers
- 7 Red Brake Light
- 8 Pink Reversing Light
- 9 Orange Continuous power supply
- 10 Grey Sensor for break lining wear indicator
- 11 White/Black Indicator for sprint loaded brake
- 12 White/Blue Axle lift
- 13 White/Red Earth for data leads 14 and 15
- 14 White/Green CAN H
- 15 White/Brown CAN L

For 13 pin and 12v plugs and sockets see the towing section

## Plugs and Sockets

### 15 Pin

#### Part number

330.5843 15 Pin Socket Screw Terminals

330.5946 15 Pin Plug Screw Terminals



### 7 Pin EBS (can use for ABS)

#### Part number

330.800014 24v 7 Pin EBS Plug Crimp Terminals  
330.800011 24v 7 Pin EBS Plug Screw Terminals

330.800013 24v 7 Pin EBS Socket Crimp Terminals  
330.800013A 24v 7 Pin EBS Socket Screw Terminals

330.80008 EBS/ABS Parking Socket



## Plugs and Sockets (Commercial)

24V		
Part number		
	330.543	24v 7 Pin 'S' Plastic Socket
	330.541	24v 7 Pin 'S' Plastic Plug
	330.544	24v 7 Pin 'N' Plastic Socket
	330.542	24v 7 Pin 'N' Plastic Plug
	330.510	24v 7 Pin 'S' Alloy Socket
	330.509	24v 7 Pin 'S' Alloy Plug
	330.508	24v 7 Pin 'N' Alloy Socket
	330.507	24v 7 Pin 'N' Alloy Plug
	330.556	24v 7 Pin Parking Socket

## Plugs and Sockets (Commercial)

Adaptors	
Part number	
330.553	15 Pin Plug with 7 Pin 'N' and 'S' Socket

Clang	
Part number	
330.495	Single Male Socket (CT6877)
330.494	Single Female Plug (CT6878)
330.493	Single Male Plug (CT6879)
330.496	Single Female Socket (CT6880)
330.501	3 Pin Clang Plug (CT6744)
330.502	3 Pin Clang Socket (CT6745)
330.503	3 Pin Clang Plug (CT6871)
330.504	3 Pin Clang Socket (CT6870)
330.519	24v 7 Pin 'N' Type Clang Plug (CT6896)
330.520	24v 7 Pin 'N' Type Clang Socket (CT6895)
330.521	24v 7 Pin 'S' Type Clang Plug (CT6937)
330.522	24v 7 Pin 'S' Type Clang Socket (CT6936)
330.527	10 Pin Clang Plug (CT6860)
330.528	10 Pin Clang Socket (CT6859)



## Plugs and Sockets (Commercial)



330.532 Long Plastic Socket Cover (CT6853)  
330.531 Short Plastic Socket Cover (CT6764)

330.547 Clang Parking Bracket for Trailing Plugs and Sockets (CT6881)

### IP68 Connectors

Glass filled polyimide bodies with nickel plated brass contacts for cables between 6-8mm diameter. Screw Terminals. Accepted by Lloyds Register of Shipping. Rated at 10A at 250v (AC or DC) for 2, 3 pole products, 6A for 4 Pole and 3A for 7 Pole products, supplied with covers.

#### Part number

330.002 2 Pole Plug  
330.003 3 Pole Plug  
330.004 4 Pole Plug  
330.007 7 Pole Plug  
  
330.012 2 Pole Trailing Socket  
330.013 3 Pole Trailing Socket  
330.014 4 Pole Trailing Socket  
330.017 7 Pole Trailing Socket  
  
330.022 2 Pole Surface Mount Socket  
330.023 3 Pole Surface Mount Socket  
330.024 4 Pole Surface Mount Socket  
330.027 7 Pole Surface Mount Socket  
  
330.005 3 Pole Cable Joiner, 16A



### IP68 Connectors

Glass filled polyimide bodies with nickel plated brass contacts for cables between 7-15mm diameter. Screw Terminals. Accepted by Lloyds Register of Shipping. Rated at 32A at 600v (AC or DC) supplied with cap.

#### Part number

330.032 2 Pole Plug  
330.033 3 Pole Plug  
330.034 4 Pole Plug  
330.037 7 Pole Plug, 430v AC or DC  
  
330.042 2 Pole Trailing Socket  
330.043 3 Pole Trailing Socket  
330.044 4 Pole Trailing Socket  
330.047 7 Pole Trailing Socket, 430v AC or DC  
  
330.052 2 Pole Surface Mount Socket  
330.053 3 Pole Surface Mount Socket  
330.054 4 Pole Surface Mount Socket  
330.057 7 Pole Surface Mount Socket, 430v AC or DC  
  
330.006 7 Pole Cable Connector. Comprises one each moulded plug and socket and rubber covers with terminals.



#### Part number

330.551 3 Pin Plastic Plug (12/24v 2 x 25A + 1 x 5A)  
  
330.552 3 Pin Plastic Socket (12/24v 2 x 25A + 1 x 5A)



## Plugs and Sockets

#### Part number

330.497 8 amp Universal Plug 6-50v DC  
330.497E 16 amp Universal Plug 6-50v DC

330.498 16 amp Metal DIN Socket with Spring Loaded Cap

330.498A 16 amp Metal DIN Socket with Splash Proof Cap

330.498B 20 amp Universal Socket Outlet with Protective Cap

330.498D 12 amp Standard DIN Plug 12v-24v DC

330.489 8 amp 12-24v Universal Extension Cable - Coiled Lead with Plug and Sockets

300.6783700 8 amp 12-24v Universal Extension Cable - Coiled Lead with Plug

331.6731 USB Built-In Socket 12V DC/5V DC 1000mA

331.6732 USB Built-In Socket 12V DC/5V DC 1000mA with Mounting Plate

331.6733 Triple Surface Mounted Socket (12V 16A) with USB Socket (5V DC1000 mA)

331.6734 Surface Mounted USB Built-In Socket 12V DC/5V DC 1000mA



## Plugs and Sockets

### Sutar

#### Marine Quality Plugs and Sockets

Rated at 16amp - 6-50v

#### Part number

	<b>331.1206</b>	Rectangle Socket 27mm Hole Size 6-50v DC 16amp
	<b>331.1216</b>	Round Socket 27mm Hole Size 6-50v DC 16amp
	<b>331.1218</b>	Black Compact Round Socket 37mm Hole Size 6-50v DC 16amp
	<b>331.1219</b>	White Compact Round Socket 37mm Hole Size 6-50v DC 16amp
	<b>331.1207</b>	Heavy Duty Plug 6-50v DC 16amp
	<b>331.1230</b>	Heavy Duty Plug 6-50v DC 16amp
	<b>331.1245</b>	In Line Socket 6-50v DC 16amp
	<b>331.5230</b>	Battery Adaptor c/w Clips and Socket 6-50v DC 16amp
	<b>331.1240</b>	20amp Heavy Duty Plug

## Power Connectors (Snap Connectors)

### S Connector (can function up to 600v dc)

#### 50 Amp

Dimensions (47.6 x 36.5 x 15.9mm)

#### Part number

<b>600.500</b>	50 amp Grey Male/Female Cable Size 6mm <sup>2</sup>
<b>600.501</b>	50 amp Red Male/Female Cable Size 6mm <sup>2</sup>

#### 175 Amp

Dimensions (79.375 x 55.549 x 25.4mm)

#### Part number

<b>600.502</b>	175 amp Yellow Male/Female Cable Size 50mm <sup>2</sup>
<b>600.504</b>	175 amp Red Male/Female Cable Size 50mm <sup>2</sup>
<b>600.505</b>	175 amp Grey Male/Female Cable Size 50mm <sup>2</sup>
<b>600.1342G</b>	Dust Cover for 145 amp

#### 542.048

2m Grey 175 amp Connector Extension Cable

#### 350 Amp

Dimensions (107.95 x 69.85 x 33.324mm)

#### Part number

<b>600.514</b>	350 amp Yellow Male/Female Cable Size 70mm <sup>2</sup>
<b>600.516</b>	350 amp Red Male/Female Cable Size 70mm <sup>2</sup>
<b>600.517</b>	350 amp Grey Male/Female Cable Size 70mm <sup>2</sup>

### SAE Connector (can function up to 150v dc)

#### 160 Amp

Dimensions (92.2 x 71.17 x 18.64mm)

#### Part number

<b>600.508</b>	160 amp Yellow Male/Female Cable Size 50mm <sup>2</sup>
<b>600.510</b>	160 amp Red Male/Female Cable Size 50mm <sup>2</sup>
<b>600.511</b>	160 amp Grey Male/Female Cable Size 50mm <sup>2</sup>

### SA Connectors (can function up to 600v dc)

#### 350 Amp

Dimensions (125.4 x 85.69 x 22.220)

#### Part number

<b>600.520</b>	350 amp Yellow Male/Female Cable Size 70mm <sup>2</sup>
<b>600.522</b>	350 amp Red Male/Female Cable Size 70mm <sup>2</sup>
<b>600.523</b>	350 amp Grey Male/Female Cable Size 70mm <sup>2</sup>

#### 600.Handle

Super Tuf Nylon Handle for 600.505 and 511 Range

Only connectors of the same colour and amperage can fit together  
Recommended Voltage Colour Combinations:  
Yellow 12v      Grey 36v      Red 24v

# Reverse and Safety

## Power Connectors (Snap Connectors)

Looking for:  
**O Clips**  
go to  
Page 1.73

### E Connector Cable Form

Conforms to BS3214:1974 Amended  
Rated 320amp at 125v

#### Part number

	600.527	E Connector Cable Form Male Charging Half (Cow Bells)
	600.528	E Connector Cable Form Female Locking Half (Cow Bells)
	600.530	Insulation Block Assembly (to suit 600.527 and 528)
	600.531	Power Contact Assembly (to suit 600.527 and 528)

## Recovery Equipment

#### Part number

	875.172359	24" (600mm) Crow Bar
	875.116777	3' (900mm) Crow Bar
	875.68055	Shovel
	875.39217	7lb Sledge Hammer
	875.022028	Wrecking Bar 5' (1500mm)
	875.103002162	Long Handled Felling Axe

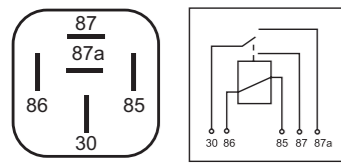
## Recovery Equipment

877.12949	450mm Heavy Duty Bolt Cutters (7mm)	
875.0165239	Road Cone	
875.WHCHOC	Wheel Choc	
875.83585/264156	Broom & Handle	

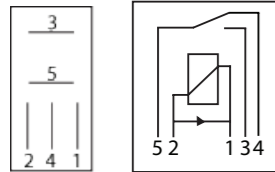
## Relays

Part number	Mini Make or Break 4 x 6.3mm Terminals	Can Replace Durite	Lucas	Guardian	
255.100	12v 30A with Bracket	0-727-12	SRB520	GR1	
255.100W	12v 30A with Bracket Wherle OE	0-727-12	SRB520	GR1	
255.121	12v 40A with Bracket		SRB537		
255.101	24v 20A with Bracket	0-727-24	SRB530	GR2	
255.101A	24v 20A with Bracket Wherle OE	0-727-24	SRB530	GR2	
Part number	Mini Make or Break 4 x 6.3mm Terminals	Can Replace Durite			
255.100D	12v 30A with Diode and Bracket	0-727-14			
255.128	12v 40A with Diode and Bracket	0-727-16			
255.101D	24v 20A with Diode and Bracket	0-727-26			
255.129	24v 30A with Diode and Bracket	0-727-28			
Part number	Micro Make or Break 2 x 6.3mm & 2 x 4.8mm Terminals	Can Replace Durite			
255.100MD	12v 25A with Diode and Bracket	0-727-13			
255.101MD	24v 10A with Diode and Bracket	0-727-25			
Part number	Mini Make or Break 4 x 6.3mm Terminals	Can Replace Durite	Lucas	Guardian	
255.106	12v 30A with Bracket	0-727-62	SRB523	GR11	
255.107	24v 20A with Bracket	0-727-74	SRB533	GR12	
Part number	Mini Fused Make or Break 4 x 6.3mm Terminals	Can Replace Durite	Lucas	Guardian	
255.102W	12v Fused 25A with Bracket	0-726-12	SRB522	GR5F	
255.103	24v Fused 15A with Bracket	0-726-24	SRB532	GR6F	

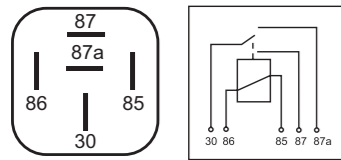
# Relays



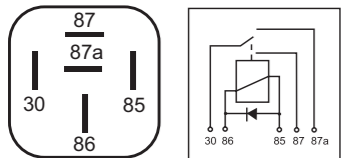
Part number	Mini Change Over 5 x 6.3mm Terminals	Can Replace Durite	Lucas	Guardian
255.109	12v 30/20A with Bracket	0-728-12	SRB500/501/525	GR7
255.109W	12v 30/20A with Bracket Wherle OE		SRB500/501/526	GR7
255.108	12v 40/30A with Bracket			
255.110	24v 20/10A with Bracket	0-728-24	SRB510/511/535	GR8
255.110W	12v 20/10A with Bracket Wherle OE		SRB510/511/536	GR8



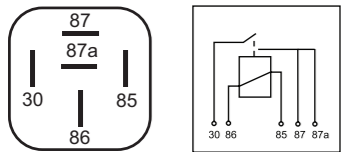
Part number	Micro Change Over 3 x 6.3mm & 2 x 4.8mm Terminals	Can Replace Durite
255.109MD	12v 15/25A with Diode and Bracket	0-728-13
255.110MD	24v 5/10A with Diode and Bracket	0-728-25



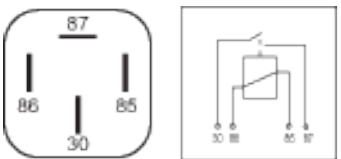
Part number	Heavy Duty Change Over 2 x 6.3mm and 3 x 9.5mm Terminals	Can Replace Durite
255.116	12v 70/40A with Bracket	0-728-70
255.147	24v 40/30A with Bracket	0-728-40



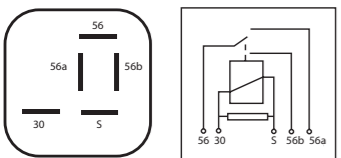
Part number	Mini Change Over 5 x 6.3mm Terminals	Can Replace Durite	Lucas	Guardian
255.144	12V 40/30A with Diode and Bracket	0-728-14	SRB507	GR21
255.145	24V 20/10A with Diode and Bracket	0-728-26		GR22



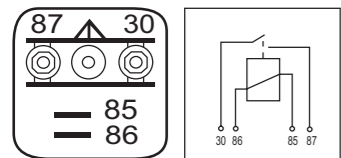
Part number	Mini Twin Make and Break 5 x 6.3mm Terminals	Can Replace Durite	Lucas	Guardian
255.111W	12v 30A with Bracket	0-727-32		
255.112	24v 20A with Bracket	0-727-44		



Part number	Mini Heavy Duty Make and Break 2 x 6.3mm and 2 x 9.5mm	Can Replace Durite	Lucas	Guardian
255.104	12v 70A with Bracket	0-727-70	SRB539/600	GR17
255.105	24v 40A with Bracket	0-727-40	SRB541/601	GR16
255.150	24v 70A with Bracket	0-727-47		



Part number	Latching Change Over
366.072802	12v 25A with Resistor
366.072804	24v 12A with Resistor

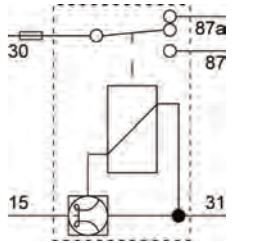


Part number	Split Charge Relay Extra Heavy Duty Make and Break 2 x 6.3mm Terminal and 2 x M6 Studs
255.200/12v	12v 200A
255.100/24V	24v 100A

# Relays

## Duel Function Timer Device

This is an electronic device that operates in the same way as a timer relay but the delay is not predetermined so the following options can be chosen  
 Kind of delay operating: Off Delay or On Delay Function (A) Exact time delay (6)  
 Time frame: in seconds or minutes (B) The unit must always be energised



Part number	
255.165	12v 15A Time delay between 1 sec. to 60 min
255.166	24v 15A Time delay between 1 sec. to 60 min

**Spares**  
**255.130T** Bulkhead Relay and Flasher Holder supplied with 5 x 6.3mm terminals. Can be gang mounted  
**255.130** As above with no terminals.



**255.130AT** Bulkhead Relay for Micro Relays  
 Accepts up to 2 x 2.8mm, 3 x 4.8mm and 2 x 6.3mm terminals  
 Can be gang mounted. Comes with 2 x 6.3mm and 3 x 4.8mm terminals.



**255.131** Bulkhead Starter Relay Holder  
 Accepts 4 x 2.8mm, 3 x 6.3mm and 2 x 9.5mm terminals  
 Can be gang mounted. Can replace Durite



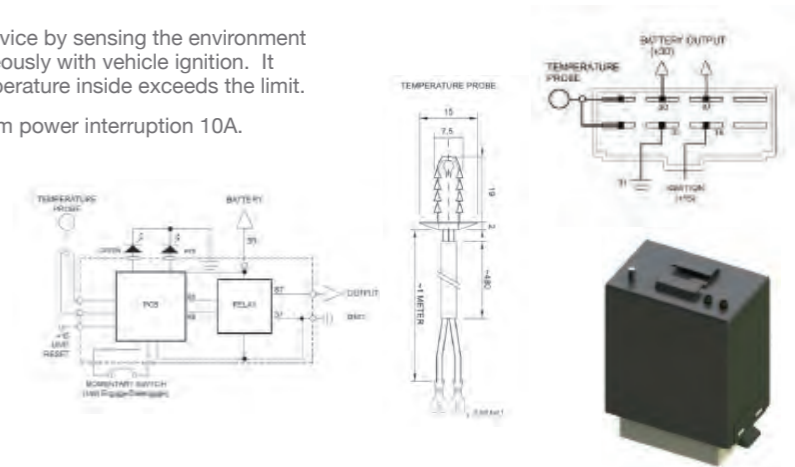
## Temperature Controlled Unit

The unit controls the activation/de-activation of an external device by sensing the environment temperature. Installed on a vehicle, the activation is simultaneously with vehicle ignition. It operates as safety device to cooling off vehicle when the temperature inside exceeds the limit.

The temperature limits can be adjusted via software. Maximum power interruption 10A.

256.TCU/12	12v Temp Control Relay with Probe
256.TCU/24	24v Temp Control Relay with Probe

Output De-Activation <24° / Delay 5 Sec  
 Output Activation >28° / Delay 5 Sec



## Relays



### Brake Hazard Relay

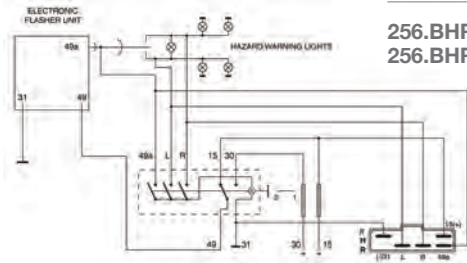
A safety product that measures the deceleration of a vehicle under braking. In the event of severe emergency braking conditions the B.H.R. will activate the vehicle hazard warning lights, warning other vehicles approaching from behind of potential collision hazard.

The B.H.R. works by automatically switching on the Hazard Warning Lights then continue to flash after the vehicle has released its brakes and the brake lights have turned off. This will warn vehicles approaching from behind of the impending danger of a stationary or slow moving vehicles in front and help to prevent a rear end collision.

The B.H.R. will turn off the Hazard Warning Lights and revert back to its normal setting after 10 seconds. Normal functioning of the hazard lights is not effected by the B.H.R.

#### Part number

**256.BHR/12** 12v 5 Pin Brake Hazard Relay  
**256.BHR/24** 24v 5 Pin Brake Hazard Relay

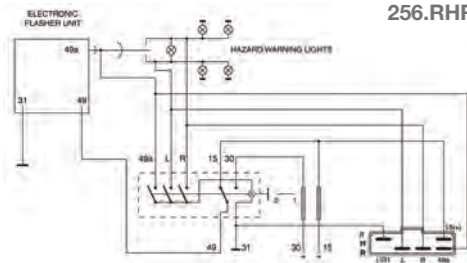


### Reverse Hazard Relay

It is an electronic unit that operates the vehicles hazard warning when reverse gear is selected. It is a perfect safety device for trucks and buses. It provides a highly effective visual warning

#### Part number

**256.RHR/12** 12v 5 Pin Reverse Hazard Relay  
**256.RHR/24** 24v 5 Pin Reverse Hazard Relay



### Engine Running Relay

The ERD unit activates a load only while the engine is running. It will detect when the car has stopped and disconnect the load in order to save power consumption.

Typical applications:

- Daytime Running Lights (DRL) installation: The unit allows to take the DRL supply directly from the battery clamps and drastically reduce the time to install especially on vehicle without an easy access to the ignition input +15 (main application).
- Caravan/Camper: used to power devices with high current consumption only when the vehicle engine is running and the alternator is charging the battery.

#### Part number

**256.ERD/12** 12v 20A Engine Running Relay  
**256.ERD/24** 24v 10A Engine Running Relay



## Reverse Alarms

### White Noise Alarms

#### Multi-Frequency Series

The Multi-Frequency back-up alarm provides a solution to potential noise pollution created by back-up alarms in confined or densely populated work areas. The Multi-Frequency alarm maintains a safe warning signal for those in the danger zone of backing vehicles while minimizing disturbance to work site neighbors. The Multi-Frequency alarm operates by emitting sound at multiple frequencies attenuated above 4000Hz so that the sound is perceived to dissipate more quickly than a conventional pure-tone alarm.

Part number	702.EA505	702.EA200
Voltage	12-24	12-24
dB(A)	87	97
Current Amps	0.35	1
Sounder Unit	Speaker	Speaker
Size (mm) (WxHxD)	102 x 71 x 41	102 x 71 x 41
Hole Centre (mm)	82	82
IP Rating	IP68	IP68



#### Heavy Duty - Plant and Construction

Part number	702.EA702	702.EA707
Voltage	12-24	12-24
dB(A)	102	107
Current Amps	0.6	0.8
Sounder Unit	Speaker	Speaker
Size (mm) (WxHxD)	178 x 81 x 102	178 x 81 x 108
Hole Centre (mm)	150	150
IP Rating	IP68	IP68



### BBS-tek

Directional Broadband White Sound

Reversing alarms are vital for safety, yet can cause nuisance and irritation to workers and local residents. The bbs-tek reversing alarm, which emits a unique and very different sound to conventional pure tone alarm, is the simple solution to this difficult problem.

The shh...shh...shh sound emitted is broadband sound (known as white sound), which is multi-frequency, instead of the narrow sound frequency band of conventional pure tone alarm. Its sound is instantly locatable so you immediately know which vehicle is reversing and where it is coming from. So it is directional, concentrating the sound in the danger area so reducing noise nuisance. Broadband sound also dissipates more quickly beyond the danger zone, so it is much less of a nuisance to local residents and is less likely to be ignored by workers due to over exposure to the warning sound.

This product has been seen and approved by the Noise Abatement Society.  
Conform to SAE J994 environmental standards  
Solid-state, spark-free electronics, epoxy-sealed against mud, water and vibration  
Lifetime warranty

Tough, durable, guaranteed waterproof (IP68)  
Can be steam-cleaned and pressure-hosed  
CE and 'e' marked (EMC)

#### Heavy Duty - Plant and Construction

Part number	700.BBS107	700.BBS102
Voltage	24	24
dB(A)	107	102
Current Amps	1.0	1.0
Sounder Unit	Driver	Driver
Size (mm) (WxHxD)	173 x 79 x 95	173 x 79 x 95
Hole Centre (mm)	153	153
IP Rating	IP68	IP68



#### Medium Duty - Trucks, Bus & Coach, Light Plant, Forklifts Trucks and Industrial Vehicles

Part number	700.BBS87	700.BBS82	700.BBS97	700.BBS92
Voltage	12-24	12-24	12-24	12-24
dB(A)	87	82	97	92
Current Amps	0.5	0.5	0.5	0.5
Sounder Unit	Speaker	Speaker	Speaker	Speaker
Size (mm) (WxHxD)	91 x 55 x 45	91 x 55 x 45	127 x 65 x 76	127 x 65 x 76
Hole Centre (mm)	76	76	98-108	98-108
IP Rating	IP68	IP68	IP68	IP68



Part number	Light Duty	Electric Forklift Truck	
	700.BBS77	700.BBS82HL	700.BBS87LH
Voltage	12-24	36-80	36-80
dB(A)	77	82	87
Current Amps	0.5	0.15	0.15
Sounder Unit	Speaker	Speaker	Speaker
Size (mm) (WxHxD)	91 x 55 x 45	127 x 65 x 76	127 x 65 x 76
Hole Centre (mm)	76	98-108	98-108
IP Rating	IP68	IP68	IP68





### Night Alarms

The range of Night Alarms shown on these pages feature built in technology to override the alarm or reduce its output during restricted hours. This is achieved by either manually adjusting the alarm via connection to the headlights or by double engaging the reverse gear.

This allows drivers to disable the alarm and reverse in residential areas during the restricted hours for sounding an alarm (11.30pm - 7.00am) without waking local residents.

### Night Silent 'Double Engage' Alarm

Part number	702.515004	700.BA32NS
-------------	------------	------------

Double engage reverse gear within 1 second to disarm - auto reset

Voltage	12-24	12-24
dB(A)	97-0	90-0
Current Amps	0.2	0.2
Sounder Unit	Speaker	Speaker
Size (mm) (WxHxD)	102x71x41	91x49x41
Hole Centre (mm)	82	76
IP Rating	IP68	IP67

### Dun-Bri Own Brand Night Silent 'Double Engage' Alarm

Part number	257.008
-------------	---------

Night Silent 'Switchable' headlights to disarm

Voltage	12-24
dB(A)	97
Current Amps	0.2
Sounder Unit	Speaker
Size (mm) (WxHxD)	102x71x41
Hole Centre (mm)	82
IP Rating	IP68

### Night Silent 'Switchable' Alarm (3 Wire)

Part number	702.515002	700.BA57
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Wired via switch or Optional night silent headlights to disarm 'switchable' alarm

Voltage	12-24	12-24
dB(A)	97	90-0
Current Amps	0.2	0.2
Sounder Unit	Speaker	Piezo
Size (mm) (WxHxD)	102x71x41	48x60x48
Hole Centre (mm)	82	Single Bolt
IP Rating	IP68	IP66

### Dun-Bri Own Brand Night Silent 'Switchable' Alarm (3 Wire)

Part number	257.009
-------------	---------

Light Duty - Light Vans, minibuses and other vehicles under 2.5 tonnes)

Voltage	12-24
dB(A)	97
Current Amps	0.2
Sounder Unit	Speaker
Size (mm) (WxHxD)	102x71x41
Hole Centre (mm)	82
IP Rating	IP68

### Medium Duty - Trucks, Bus & Coach, Light Plant, Forklifts Trucks and Industrial Vehicles

#### 2 Wire

Part number	702.520	702.580001
Voltage	12-24	12-80
dB(A)	97	87
Current Amps	0.2	0.1
Sounder Unit	Speaker	Speaker
Size (mm) (WxHxD)	102x71x41	102x71x41
Hole Centre (mm)	82	82
IP Rating	IP68	IP68

### Dun-Bri Own Brand Medium Duty - Forklifts Trucks and Industrial Vehicles

Part number	257.011
-------------	---------

Voltage	12-80
dB(A)	97
Current Amps	0.2
Sounder Unit	Speaker
Size (mm) (WxHxD)	101x101x45
Hole Centre (mm)	82
IP Rating	*

### Dun-Bri Own Brand Speaker Reverse Alarm

Message 'BEEP! Stand Well Clear, Vehicle Reversing'

Part number	257.010
-------------	---------

Voltage	12-24
dB(A)	90
Current Amps	0.4
Sounder Unit	Speaker
Size (mm) (WxHxD)	101x101x45
Hole Centre (mm)	82
IP Rating	*

### BACKCHAT Speaker Reverse Alarm

The reversing aid that speaks for itself, it reproduces real speech with unrivalled quality and clarity. The voice is directional and commands attention, especially from children. Ideal for all road vehicles. Message 'BEEP! Stand Well Clear, Vehicle Reversing'

Part number	700.BC01	700.BC01NS
-------------	----------	------------

		Standard Night Silent 'Double Engage' Alarm
Voltage	12-24	12-24
dB(A)	90	90
Current Amps	0.4	0.4
Sounder Unit	Speaker	Speaker
Size (mm) (WxHxD)	122x84x50	122x84x50
Hole Centre (mm)	102	102
IP Rating	*	IP68

Part number	700.BC01/Hand
-------------	---------------

Message 'BEEP! Handbrake not applied'

Voltage	12-24
dB(A)	90
Current Amps	0.4
Sounder Unit	Speaker
Size (mm) (WxHxD)	122x84x50
Hole Centre (mm)	102
IP Rating	IP68



# Reverse and Safety

## Reverse Alarms

### Mini Buzzers

Part number	700.56212	700.56224
Voltage	12	24
dB(A)	85	85
Current Amps	0.22	0.22
Sounder Unit	Piezo	Piezo
Size (mm) (WxHxD)	40 Dia. x 28	40 Dia. x 28
Hole Centre (mm)	Single Bolt	Single Bolt
IP Rating	*	*

### Switches & Timers

Part number	710.TC047
-------------	-----------

Auto-reset Back alarm cut-out. Dash mounted single touch timed relay. Allows driver to cut out alarm. Auto-resets after 3-4 mins. Time delay.

Part number	700.NS3
-------------	---------

Cut-out switch. Simply double engage reverse gear quickly to deactivate alarm. Re-sets when reverse gear disengaged. Long time delay, so suitable for Automatics. Can be fitted within minutes alongside alarms at back of vehicle. No wiring necessary to cab.

Waterproof  
Dual Voltage 12-24 volts  
Current 0.6A  
122 x 84 x 55mm

Part number	257.020	257.021
	Simplex System For one way conversation only	Duplex System Where two way conversations are possible

## Intercom System

Specifically designed for security or high risk diplomatic vehicles. This unit was designed initially for vehicle used by diplomatic agencies, where the passenger could be at risk kidnap. It gives a means of communication without having to open doors or windows. It is also used in cash carrying vehicles and vehicles where people need to communicate between the cab and the rear body if a bulkhead is fitted.



# Reverse and Safety

## Parking Sensors

### Sidescan Sensor System (Crossrail Required)

Part number	700.SS4000W
-------------	-------------

4 sensor system  
12-24 Volts  
1.0/1.5m detection range - (selectable via dip switch)  
Audible distance warning  
Underslug and flush-mount fixings included  
2 levels of sensitivity - (selectable via dip switch)  
2 year warranty

Contents	Features	Durability & Standards
<ul style="list-style-type: none"> <li>4 x sensors</li> <li>Buzzer</li> <li>4 x 0° flush mount fixings</li> <li>4 x 11° flush mount fixings</li> <li>4 x underslung fixings</li> <li>Waterproof control box</li> <li>10m buzzer cable</li> <li>4 x 4.5m sensor cables</li> <li>2 x 2.5m extension cables</li> </ul>	<ul style="list-style-type: none"> <li>Obstacles detected in under 200 milliseconds</li> <li>Environment Learning Mode prevents false alarms from ancillary equipment that intrudes in the first 100cm of the detection zone</li> <li>Self-diagnostic function</li> </ul>	<ul style="list-style-type: none"> <li>Operating temperature -40 to +80°C</li> <li>Waterproof sensors to IP68</li> <li>Waterproof control box to IP69K</li> <li>CE marked</li> <li>EMC approved: E</li> </ul>



### Frontscan Sensor System

Part number	700.FS4000W
-------------	-------------

4 sensor system  
12-24 Volts  
2.1/1.0m detection range - outer sensors can be reduced to 0.6m (selectable via dip switch)  
Audible distance warning  
Flush-mount  
2 year warranty

Contents	Features	Durability & Standards
<ul style="list-style-type: none"> <li>4 x sensors</li> <li>Buzzer</li> <li>4 x 11° flush mount fixings</li> <li>4 x 18° flush mount fixings</li> <li>4 x 26° flush mount fixings</li> <li>Waterproof control box</li> <li>2.5m buzzer cable</li> <li>4 x 2.5m sensor cables</li> </ul>	<ul style="list-style-type: none"> <li>Obstacles detected in under 200 milliseconds</li> <li>Environment Learning Mode prevents false alarms from tow-hooks and other ancillary equipment that intrudes in the first 100cm of the detection zone</li> <li>Self-diagnostic function</li> </ul>	<ul style="list-style-type: none"> <li>Operating temperature -40 to +80°C</li> <li>Waterproof sensors to IP68</li> <li>CE marked</li> <li>EMC approved: E</li> </ul>



Part number	
-------------	--

**700.LS20A** Low Speed Trigger Mode (enables sensors below designated speed)  
**700.TS001ECU** Turn Indicator Trigger for Sensor Activation



### Stepscan Sensor System

Part number	700.ST2000
-------------	------------

2 sensor system  
12-24 Volts  
0.6/1.0m detection range - (selectable via dip switch)  
Audible distance warning  
Flush-mount  
2 levels of sensitivity - (selectable via dip switch)  
2 year warranty

Contents	Features	Durability & Standards
<ul style="list-style-type: none"> <li>2 x sensors</li> <li>Buzzer</li> <li>2 x 11° flush mount fixings</li> <li>2 x 18° flush mount fixings</li> <li>2 x 26° flush mount fixings</li> <li>Waterproof control box</li> <li>2.5m buzzer cable</li> <li>2 x 2.5m sensor cables</li> </ul>	<ul style="list-style-type: none"> <li>Obstacles detected in under 200 milliseconds</li> <li>Environment Learning Mode prevents false alarms from ancillary equipment that intrudes in the first 100cm of the detection zone</li> <li>Self-diagnostic function</li> </ul>	<ul style="list-style-type: none"> <li>Operating temperature -40 to +80°C</li> <li>Waterproof sensors to IP68</li> <li>CE marked</li> <li>EMC approved: E</li> </ul>



# Reverse and Safety

## Parking Sensors

### Cornerscan Sensor System

**Part number** 700.CS3000

3 sensor system  
12-24 Volts  
0.6/1.0m detection range - (selectable via dip switch)  
Audible distance warning  
Flush-mount  
2 levels of sensitivity - (selectable via dip switch)  
2 year warranty

Contents	Features	Durability & Standards
<ul style="list-style-type: none"> <li>3 x sensors</li> <li>Buzzer</li> <li>3 x 11° flush mount fixings</li> <li>3 x 18° flush mount fixings</li> <li>3 x 26° flush mount fixings</li> <li>Waterproof control box</li> <li>2.5m buzzer cable</li> <li>3 x 2.5m sensor cables</li> </ul>	<ul style="list-style-type: none"> <li>Obstacles detected in under 200 milliseconds</li> <li>Environment Learning Mode prevents false alarms from ancillary equipment that intrudes in the first 100cm of the detection zone</li> <li>Self-diagnostic function</li> </ul>	<ul style="list-style-type: none"> <li>Operating temperature -40 to +80°C</li> <li>Waterproof sensors to IP68</li> <li>CE marked</li> <li>EMC approved: E</li> </ul>

### Backscan Sensor System

**Part number** 700.BS4000W

4 sensor system  
12-24 Volts  
2.5m detection range -outer sensors 2.5/0.6m (selectable via dip switch)  
Graduated visual and audible distance warning display  
Underslug and flush-mount fixings included  
50cm compensation range for sensors fitted inboard of vehicle rear - (selectable via dip switch)  
2 year warranty

Contents	Features	Durability & Standards
<ul style="list-style-type: none"> <li>4 x sensors</li> <li>Visual and audible display</li> <li>4 x 0° flush mount fixings</li> <li>4 x 11° flush mount fixings</li> <li>4 x underslung fixings</li> <li>Waterproof control box</li> <li>15m display cable</li> <li>4 x 2.5m sensor cables</li> </ul>	<ul style="list-style-type: none"> <li>Obstacles detected in under 200 milliseconds</li> <li>Environment Learning Mode prevents false alarms from tow-hooks and other ancillary equipment that intrudes in the first 100cm of the detection zone</li> <li>Self-diagnostic function</li> </ul>	<ul style="list-style-type: none"> <li>Operating temperature -40 to +80°C</li> <li>Waterproof sensors to IP68</li> <li>Waterproof control box to IP69K</li> <li>CE marked</li> <li>EMC approved: E</li> </ul>

### Dun-Bri Heavy Duty Reversing Sensor Kit

**Part number** 708.PS01T

- Automatic activation when the reverse gear is chosen
- Digital readout on LED display to indicate difference distance and orientation of the obstacle
- Integrated beeper for immediate alert
- 3 stage warning by different beeping frequency
- Does not run on battery power when the vehicle is parked and the engine switched off
- Type approved in conformity with European regulations on electromagnetic compatibility

Technical specifications:

Supply voltage: 12-28V DC  
Current consumption: 200mA maximum  
Working temperature: -25 to +65°C  
Detection range: 0.1 to 2.0m  
Audible alert range: 0.1 to 1.5m  
Digital readout range: 0.3 to 2.0m  
Beep volume: 80dB  
Cable length 7.5m

# Reverse and Safety

## Parking Sensors

### Recommended Extras for Side Scan

**Part number**

**700.LS20A** Low Speed Trigger Mode (enables sensors below designated speed)

**700.TS001ECU** Turn indicator trigger for system activation

**700.SSBC08** Backchat speaking alarm with side turn warning for cyclists/pedestrians

**SK-15-04** Truck/Trailer Cable Kit

### BACKSENSE-Pulsed Radar Detection

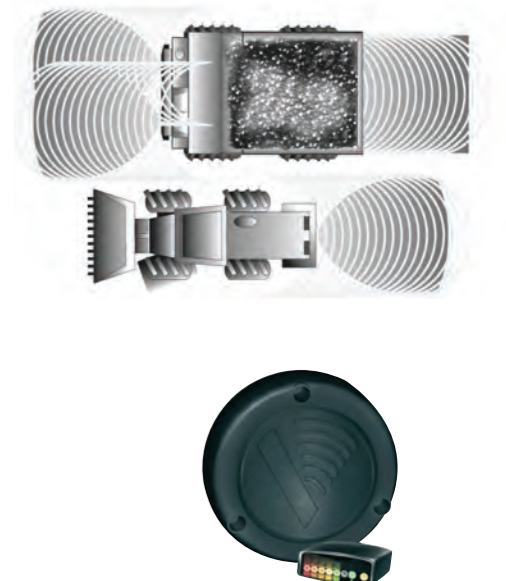
Standard System

**Part number** 700.BS1030

Pulsed Radar Detection system with a 3M range  
In-Cab Display Unit  
Sensor size: 13.33mm Diameter

- Series of LEDs to display ranging to object
- Audible tones that increase in rate as objects become closer Simplicity
- Only three components: Sensor, In-cab Display, Connecting Harness, Rugged Design
- Resistant to moisture, dust, vibration, heat, cold, sun glare, snow, ice, high wind, darkness, water and mud (IP 68)
- Sensors are sealed for environmental durability

Also available with 4.5M and 6M detection range please call for details.





### 5" Heavy Duty Camera System

#### Part number

**708.005DBG** Single Camera Kit with Audio  
**708.006DBG** Twin Camera Kit with Audio (20m & 5m Lead)



**708.015DBG**  
**708.025**  
**708.022**

Comprises of:  
 5" Colour Monitor  
 Standard Colour Camera  
 20m Cable

Comprises of:  
 5" Colour Monitor  
 Standard Colour Camera  
 20m Cable

Monitor  
 12-24V  
 2 Camera Inputs  
 System: PAL and NTSC  
 Built in Control Box  
 Resolution 800 x R.G.B X 480  
 OSD Menu  
 Speaker

Camera  
 Image Sensor: 1/3" Sharp Colour CCD  
 Resolution: 480TVL  
 IP68  
 Wide Angle: 120°  
 Audio Function  
 10m Night Vision: 15 IR Light  
 10G Shock Resistant



### 7" Heavy Duty Camera System

#### Part number

**708.008DBG** Single Camera Kit with Audio  
**708.009DBG** Twin Camera Kit with Audio



**708.016DBG**  
**708.025**  
**708.022**

Comprises of:  
 7" Colour Monitor  
 Standard Colour Camera  
 20m Cable

Comprises of:  
 7" Colour Monitor  
 Standard Colour Camera  
 20m Cable

Monitor  
 12-24V  
 2 Camera Inputs  
 System: PAL and NTSC  
 Built in Control Box  
 Resolution 480 x R.G.B X 234  
 OSD Menu  
 Speaker

Camera  
 Image Sensor: 1/3" Sharp Colour CCD  
 Resolution: 480TVL  
 IP68  
 Wide Angle: 120°  
 Audio Function  
 10m Night Vision: 15 IR Light  
 10G Shock Resistant

### 3.5" Digital TFT LCD Monitor with Wireless Receiver

3.5" wireless rear view systems with built-in wireless module. It shows the rear view camera when reversing. This unit is DIY. You could install it by hand easily.

High digital resolution TFT LCD monitor: 960\*240 (DOT)  
 Rear View Camera built-in wireless transmitter  
 Monitor can be 360 degree circumrotated  
 Anti-rust, all metal housing camera for high durability  
 Automatically switch on when reverse gear is engaged.  
 Complete water-proof camera lens adopted  
 Extra-low illumination (0.3 Lux) for clear night vision  
 PAL or NTSC system auto convert - With buttons for menu operation

Display size: 3.5 inches  
 Parking guide line selectable via button  
 Wide angle 170 degree camera,  
 High resolution (480TV line),  
 One video input  
 12V power supply  
 Power supply: DC10.5~15V (12V normal)

#### Part number

**708.401** 3.5" Wireless Car Camera Kit



### 7" Wireless Single Camera Kit

7" Digital TFT LCD Monitor with 2.4G wireless receiver  
 7 inch 16:9 LED back light monitor  
 Resolution:800\*RGB\*480  
 System PAL&NTSC auto-switching  
 Power supply:12-24V±10%  
 Built-in 2.4G wireless function, can receive audio/video  
 4trigger signal, 2.4G 4point could switch  
 CH1 2414/2490MHz  
 CH2 2432/2510MHz  
 CH3 2450/2390MHz  
 CH4 2468/2370MHz  
 2.4G in open area:100M  
 Built-in speaker  
 OSD menu, remote control  
 Touch button screen  
 2 wireless waterproof camera (optional)  
 2 Extra optional hardwired cameras  
 Dimension:191\*140.5\*32mmPart number  
 Standard accessories L1.5m power line

Truck rear view camera embedded with 2.4G transmitter  
 Image sensor: SHARP 1/4CCD  
 Definition:420TV line  
 Minimum illumination:05.lux  
 image angle:120°  
 System: PAL&NTSC auto-switching  
 2.4G wireless transmitter:100M in open area  
 Power supply :12V-24V  
 Water proof class :IP68  
 Aluminium alloy shell, outside hanging design  
 special for bus, truck.  
 Waterproof, shockproof, infrared night vision, Resistance  
 to high temperature and humidity  
 Working temperature: -20-60°C



#### Part number

**708.402** 7" Wireless Single Camera Kit

### Spares

#### Part number

**708.036** 7" Quad Split Screen Built-In Control Box

7 Inch high bright TFT LCD monitor  
 PAL/NTSC optional  
 16:9 display  
 MIRROR/NORMAL image optional  
 Support up to 4 camera input, CAM1>CAM2>CAM3>CAM4  
 7 Language OSD Menu

With high-low voltage protection and short circuit protection  
 Single view / Split view / Quad view selectable  
 Automatically turn on when the reversing gear is engaged  
 Power supply 12-24v  
 Operating temperature: 20° ~+ 70°  
 Storage temperature: -30° ~+ 80°



**708.010** 4.3" Rear View Mirror Monitor (snaps over existing mirror)  
 12-24v  
 System: PAL & NTSC  
 Resolution 480 x RGB x 234  
 2 Camera Input  
 Built in control box



**708.020** 5m Camera Leads  
**708.021** 10m Camera Leads  
**708.022** 20m Camera Leads



**708.025** Standard IP68 Camera



**708.026** Left Hand Side Camera  
**708.026R** Right Hand Side Camera



# Reverse and Safety

## Dun-Bri Group Own Brand



708.027 Under Mirror Camera



708.028 Bullet Camera



708.029 Dual Lens Rear View Camera



708.007 Artic Kit



708.028 Front Camera

708.058 Channel SD Card DVR Unit

The SD Card mobile DVRs compact dimensions mean it requires very little space, fitting easily into restrictive spaces. This device has a multitude of features, including a GPS compatibility (NEMA0183 format) that gives accurate latitude & longitude, high resolution recording on each channel, three input triggers, a high recording rate and high storage capability. Its easy to use software has been specifically designed to make video viewing quick and trouble free.

If 2-4 Cameras are used the DVR will convert a standard 7" system into a split Screen display.

	Item	Specification
VIDEO	Video Input	4 Channels
	Video Output	1 Channel, 1.0V, p-p, 75, BNC
	Video Format	Support PAL/NTSC
	Video Compression	H.264 High Profile
	Record Resolution	1280 x 1024 (PAL) 1248 x 832 (NTSC)
	Frame Rate	100fps (PAL), 120fps (NTSC) 1.98Mbps ~ 4 Level Video Quality
AUDIO	Video Bitrate	4 Channels
	Audio Input	4 Channels
	Audio Input Format	20KΩ, RCA
	Audio Output	1 Channel, 500Ω, RCA
STORAGE	Audio Level	1V ~ 2V, p-p
	Audio Compression	G.711
INTERFACE	Storage	SD card, external USB device (memory stick or hard drive)
	File Format	
	Sensors	1 speed sensor, 1 ignition sensor, 3 sensors for brake, return etc
	Com Port	2 RS232 port, 1 RS485 port
	Network	RJ45, 10/100M Ethernet
SOFTWARE	GPS	Support GPS receiver (optional), can record GPS information along with video and audio. GPS data format: NEMA0183, Baudrate: 4800bps
	Player	SD card, external USB device (memory stick or hard drive)
POWER	Third Party Software	
	Input Power	From +8VDC to +40VDC
	Power Output	DC, +12V@1.5A, +5V@1A
OTHER	Power Consumption	Working power: <5W, Stand by power: 0.1W (exclude camera, hard drive, monitor)
	Working Temperature	From -10°C to +60°C
	Size	12cm x 9cm x 2cm (4.75" x 3.5" x 0.8")
	Weight	0.3Kgs



# Reverse and Safety

## Dun-Bri Group Own Brand

Dual Camera Recorder with Built in Monitor

Ideal for Taxis or Buses that wish a simple recording device to store the days images. The camera on the monitor can swivel to face forward or back with the secondary camera positional anywhere. Ideal to record customers and driver simultaneously.

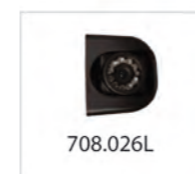
HD720P High Resolution ccolourful camera  
Two cameras can record at the same time  
Reversing rear view  
Uninterrupted cycle recording and no leakage seconds appears  
2.8" LED screen  
High speed recording  
Support real time and date display on video  
Quick video recording, Quick snap, Quick preview  
Supports SDHC cards 4GB/8GB and 16GB/32GB (micro SD card)



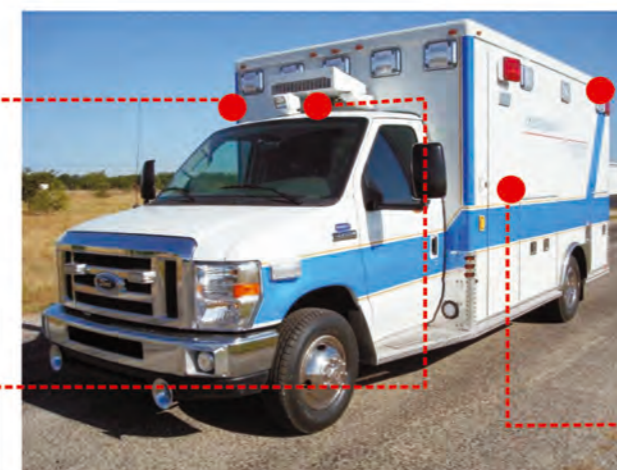
Part number

708.301 Dual Camera Recorder with Built in Monitor

Suggested 4 Camera System with DVR (extra cables required)



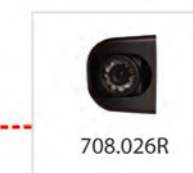
708.026L



708.025



708.028



708.026R



Model NO 708.058

SD Card Mobile DVR

- . 4 camera input
- . Support 64GB SD Card
- . High resolution record or replay.
- . Network Port.
- . USB 2.0 Port.
- . GPS tracking for option.
- . 9-36V power input

Requires Separate micro SD Card

# Reverse and Safety

Dun-Bri Group Own Brand



708.036

Suggested Coach or Bus Camera System with DVR  
(extra cables required)



708.028



708.025



708.026L



708.026R



Camera 03.03.1  
Front View Camera  
Rear View Camera  
Left Side Camera  
Right Side Camera  
2-24V power input



Model NO 708.308

Mobile DVR with HDD

- . 4 channel camera input
- . Unique design for heavy duty vehicle
- . Network port
- . High resolution record or replay.
- . PAL & NTSC available
- . GPS tracking for option.
- . 9-36V wide power input

# Reverse and Safety

Dun-Bri Group Own Brand

## Event Recording System

Car camera with GPS event recording system.

Not only does it record video front and the driver, it also records audio and it is a GPS logger. Playback on PC with provided software allows the user to view the video simultaneously with GPS data including the date, time and location of the vehicle. The Automated Driving Surveillance Recorder allows the user to record video while driving the unique sensors detect speed, breaking, acceleration you can easily record whenever an event occurs.

Camera easily mounts on almost any car or truck windshield.

Records Video, Audio and GPS locations to SD Card.

G-sensor sensitivity can be adjusted according to the vehicles road situations. Once a strong shock is detected the system will start automatically and keep the files without allowing them to be overwritten.

Front view angle approximately 120°, and back view angle approximately 170°.

Google maps is available for viewing the recorded file and let the user view the routes.

Size 114.1 x 60.1 x 29mm. Supports SDHC cards 4GB/8GB and 16GB/32GB.



## Part number

708.ERS Event Recording System

2010-04-16 17:36:37

Viewing Window Outside Vehicle

Viewing Window Inside Vehicle

GOOGLE MAP

Speed meter

Volume

G SENSOR

Latitude & Longitude Coordinates

Play Speed

Open video files

Save video files

GOOGLE MAP

Formatting

Capture

Setting

# Solenoids



## Taillift Solenoids

### 12v Bulk Head Make and Break Solenoid

Insulated return. Rated at 100 amps intermittent at 12v. This solenoid is not water proof

#### Part number

620.401	12v Rated at 100 amps Intermittent
620.402	24v Rated at 50 amps Intermittent

## Winch Solenoids

### Essex Type canister 2 pack Solenoid

90 x 90 x 40mm

Suitable for Ramsey Superwinch, warn, come up or any winch with 2 pack solenoids

#### Part number

621.407	12v Rated at 80 amps Intermittent
621.408	24v Rated at 50 amps Intermittent

## Essex Type Canister Solenoid

90 x 90 x 40mm

#### Part number

620.417	12v Rated at 80 amps Intermittent
620.418	24v Rated at 50 amps Intermittent

## External 12v Solenoid

Lucas SRB325

#### Part number

620.325	12v External Solenoid
---------	-----------------------

Looking for:  
**Set Screws  
or Screws**  
go to  
**Pages 1.68**

Looking for:  
**Silicon or  
Spray Grease**  
go to **Page 1.41**

# Stock Bins and Racking

Looking for:  
**Suzies**

go to **Page 1.61**

## Blue Interlocking Storage Bins

#### Part number

875.C502	163 x 105 x 85mm
----------	------------------

875.C503	240 x 150 x 125mm
----------	-------------------

875.C504	345 x 212 x 165mm
----------	-------------------



## Red Louvered Panels

#### Part number

875.MP45	495 x 15 x 455mm
----------	------------------

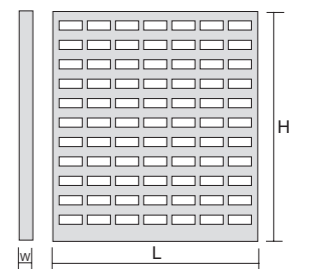
875.MP90	1000 x 15 x 455mm
----------	-------------------



## Plastic Hanging Panels for Bins

#### Part number

875.PEN1	340 x 20 x 400mm
----------	------------------



## Plastic Hanging Strips for Bins

#### Part number

875.AST	412 x 5 x 42mm
---------	----------------



L. 412 - P. 5 - H.42

Looking for:  
**Solder & Soldering Irons**  
go to  
**Page 1.188/19**

Looking for:  
**Split Pins**  
go to  
**Page 1.72**

Looking for:  
**Rivets or R Clips**  
go to  
**Page 1.72**

Looking for:  
**Speed Fittings**

go to  
**Page 1.181**

Looking for:  
**Superseal Connectors**





go to  
**Page 1.54**

## Stock Bins and Racking

### Display Drawers

Draws

#### Part number

	<b>800.DRAW1</b>	9 Tilt Transparent Front Drawers in Green Case	600 x 68 x 78mm
	<b>800.DRAW2</b>	6 Tilt Transparent Front Drawers in Green Case	600 x 96 x 112mm
	<b>800.DRAW3</b>	5 Tilt Transparent Front Drawers in Green Case	600 x 140 x 168mm
	<b>800.DRAW4</b>	4 Tilt transparent front Drawers in Green Case	600 x 178 x 206mm

### Door Guards

#### Part number


	<b>800.DG1</b>	Door Guards for 800.DRAW1
	<b>800.DG2</b>	Door Guards for 800.DRAW2
	<b>800.DG3</b>	Door Guards for 800.DRAW3
	<b>800.DG4</b>	Door Guards for 800.DRAW4

### Frame

A complete rack can be easily created by ordering the frame and draws separately.

A typical frame would be:

#### Part number

	<b>800.FRAME1</b>	x 1
	<b>800.DRAW1</b>	x 1
	<b>800.DRAW2</b>	x 1
	<b>800.DRAW3</b>	x 1
	<b>800.DRAW4</b>	x 1

## Carling Contura V Series Switches

V-Series switches offer countless unique options including choices from ratings, colours, illuminations and symbols. These switches feature removable actuators in a choice of actuators styles and colours, and are available in single or double pole configurations.

### Contura II



### Contura III



### Contura IV



### Contura V



### Contura X



### Contura XI



### Contura XII



### Warning Lights

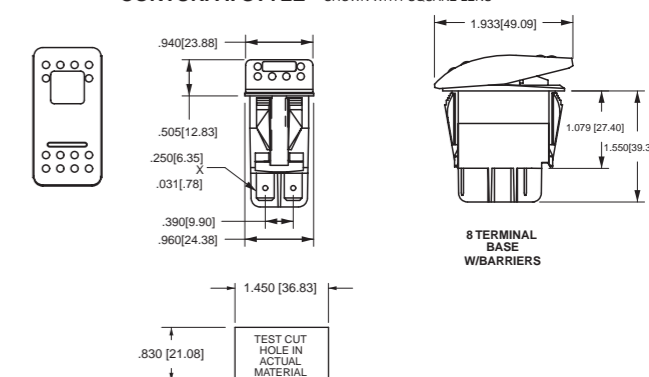


### Dun-Bri Group's stocked actuators will be the Contura II Style

But all other styles can be specially ordered in.



#### CONTURA II STYLE SHOWN WITH SQUARE LENS





### Whatever your application, our Contura switches deliver the performance you demand

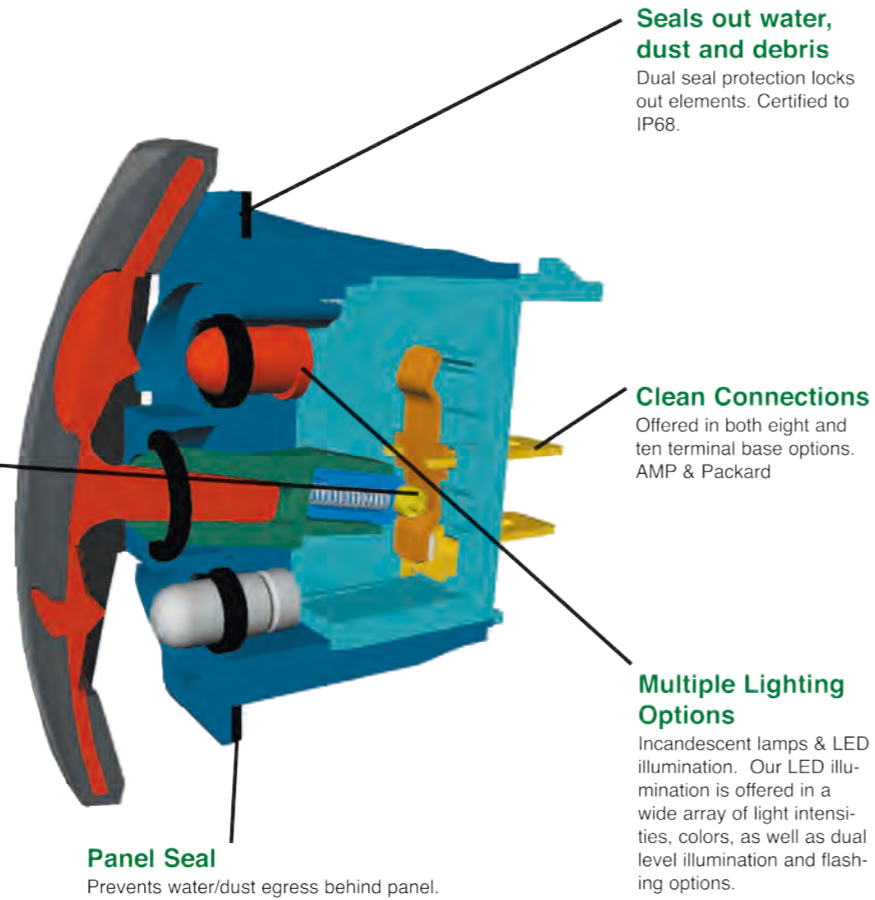
— and the flexibility you need. There's no challenge these sealed switches can't help you address. Especially since they're IP68 certified, UL1500 recognized, and able to withstand temperatures from -40°C to +85°C. Never have such rugged switches been available in such attractive packages. A dazzling array of light, lens and legend options on several actuator styles, plus countless circuit combinations, and valuable accessories, make our Contura switches the ideal choice.

#### Maximum Design Options with minimum inventories

Panel redesign is a snap, requiring no tooling change, with our removable interchangeable actuators. A unique balance between aesthetics and functionality.

#### Withstands Extreme Temperatures

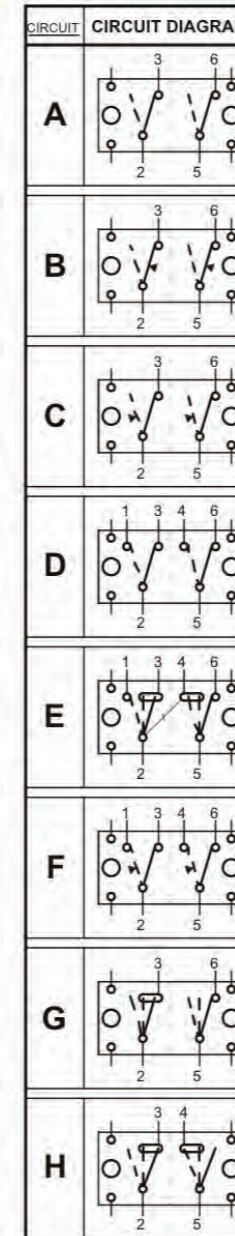
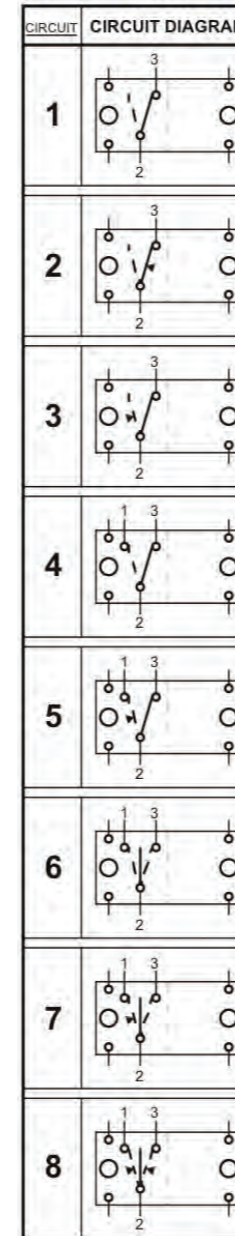
Roller pin mechanism eliminates need for lubricants, so it can withstand from -40°C to +85°C.



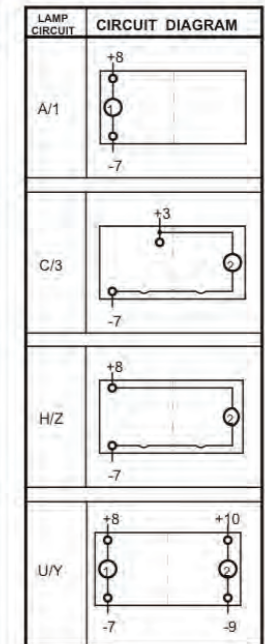
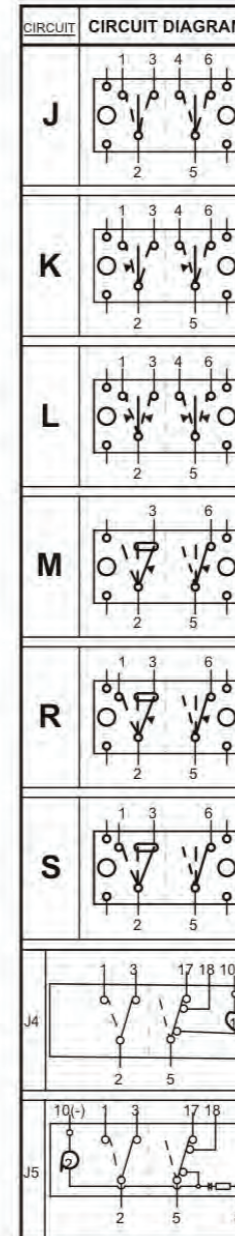
#### Ratings

Contact rating	20 amps @ 4-14 VDC 15 amps @ 15-28 VDC
Dielectric strength	1500 volts RMS
Insulation resistance	50 mega ohms
Initial contact resistance	10 milliohms max. @4 VDC
Contacts	Silver cad-oxide, silver tin-oxide, fine silver
Terminals	Brass or copper/silver plate
Environmental rating	IP68
Corrosion	Flowing mixed gas (FMG). Class III, 3 year accelerated exposure per ASTM B-827, B-845
Vibration	10Gs 10-500 HZ. No loss of circuit during test
Endurance	150,000 cycles minimum
Lighted	LED - rated 100,000 hours

### Standard Switch Circuit Diagrams



### Standard Lamp Circuit Diagrams



SYMBOL LEGEND	
SYM.	DEFINITION
	DESIGNATES TERMINALS AND CONTACTS
	DESIGNATES LAMP LOCATION
	DESIGNATES MAINTAINED CIRCUITS
	DESIGNATES OTHER POSITION
	DESIGNATES MOMENTARY CIRCUITS
	DESIGNATES TWO POSITION CONNECTION
	DESIGNATES EXTERNAL JUMPER PROVIDED BY CUSTOMER



## Carling Contura Series Switch Bases

## Carling Contura Series Switch Bases



To create your switch, select the switch base and then add the switch actuator.

Carling **Contura** Series switch bases are compatible with all Contura style actuators.

	VDC	Function (**) denotes momentary	Single Pole	Double Pole	LED Colour				Possible other function	Wiring Diagram	Light Circuit
					Red	Green	Amber	Blue			
<b>Non illuminated</b>											
273.200	12-24	On-Off	x							1	N/A
273.209	12-24	On-On		x				On-Off	D		N/A
<b>12v Only</b>											
273.201	12	On-Off	x		L					1	A
273.202	12	On-Off	x			L				1	A
273.205	12	On-Off	x		L & IND					1	G
273.206	12	On-Off	x			L & IND				1	G
273.271	12	On-Off	x			F	IND			1	G
273.274	12	On-Off	x		F		IND			1	G
273.210	12	On-On		x	L & IND			On-Off	D		U
273.211	12	On-On		x	L & IND			On-Off	D		U
273.262	12	On-On		x	L & IND			On-Off	D		U
273.214	12	Off-(On)	x		L					2	A
273.215	12	Off-(On)	x		L					2	A
273.269	12	Off-(On)	x		F	L				2	U
273.218	12	(On)-Off-(On)	x		L					8	A
273.219	12	(On)-Off-(On)	x		L					8	A
273.266	12	(On)-Off-(On)		x		L & IND				L	U
273.270	12	(On)-Off-(On)		x	F	L				L	U
273.273	12	(On)-Off-(On)	x		F	L				L	U
273.223	12	On-Off-On	x		L & IND					6	U
273.224	12	On-Off-On	x		L & IND					6	U
273.264	12	On-Off-On		x		L & IND				6	U
<b>Headlight, Wiper or Fan</b>											
273.231	12	On-On-On		x	L			Off-On-On	E		A
273.232	12	On-On-On		x	L			Off-On-On	E		A
273.272	12	On-On-Off		x	F	IND				G	G
<b>Windscreen Wiper Washer</b>											
273.227	12	On-On-(On)	x	x	L					R	A
273.228	12	On-On-(On)	x	x	L					R	A
<b>Heavy Duty Cadmium Contacts for HID or Other Large Current Applications, Mainly Worklamps</b>											
273.267	12	On-On		x		L & IND		On-Off	D		U
<b>Hazard Switch</b>											
273.237	12	On/Off Hazard		x	L					J4	
273.619		Off-On-On	x		L & IND					2	U
273.308		On-Off-On		x	L & IND					2	U

	VDC	Function (**) denotes momentary	Single Pole	Double Pole	LED Colour				Possible other function	Wiring Diagram	Light Circuit
					Red	Green	Amber	Blue			
<b>24v Only</b>											
273.203	24	On-Off	x		L					1	A
273.204	24	On-Off	x			L				1	A
273.207	24	On-Off	x		L & IND					1	G
273.208	24	On-Off	x		L & IND					1	G
273.212	24	On-On		x	L & IND			On-Off	D		U
273.213	24	On-On		x		L & IND		On-Off	D		U
273.241	24	On-On	x				L & IND	On-Off	4		U
273.261	24	On-On		x		L & IND		On-Off	D		U
273.279	24	On-On		x			L & IND	On-Off	D		U
273.216	24	Off-(On)	x		L					2	A
273.217	24	Off-(On)	x			L				2	A
273.220	24	(On)-Off-(On)	x		L					8	A
273.221	24	(On)-Off-(On)	x			L				8	A
273.222	24	(On)-Off-(On)		x	L					L	A
273.240	24	(On)-Off-(On)		x			L & IND			L	U
273.265	24	(On)-Off-(On)		x		L & IND				L	U
273.225	24	On-Off-On	x		L & IND					6	U
273.226	24	On-Off-On	x		L & IND					6	U
273.239	24	On-Off-On		x			L & IND			J	U
273.263	24	On-Off-On		x		IND				6	U
273.610	24	(On)-On		x		IND	White			F	U
273.233	24	On-On-On		x	L			Off-On-On	R		A
273.234	24	On-On-On		x	L			Off-On-On	R		A
<b>Windscreen Wiper Washer</b>											
273.229	24	On-On-(On)	x	x	L					R	A
273.230	24	On-On-(On)	x	x	L					R	A
<b>Heavy Duty Cadmium Contacts for HID or Other Large Current Applications, Mainly Worklamps</b>											
273.268	24	On-On		x		IND		On-Off	D		U
<b>Sidelight, Headlight, Wiper or Fan</b>											
273.611	24	(On)-Off-(On)	x			IND	White			2	U
273.609	24	On-On	x			IND	White			2	U



### LED Colour

	VDC	Function (**) denotes momentary	Single Pole	Double Pole	Red	Green	Amber	Blue	Possible other function	Wiring Diagram	Light Circuit
273.311	12	On-Off	x			F	IND			1	G
273.312	12	On-On	x			F	IND			4	G
273.313	12	(On)-Off	x			F				2	A
273.314	12	On-(On)	x			F	IND			7	G
273.315	12	On-On-Off		x		F	IND			G	G
273.316	12	(On)-Off-(On)	x			F	IND			8	U
273.317	12	(On)-Off-(On)		x		F	IND			L	U

### Windscreen Wiper Washer

273.320	12	On-On-(On)		x		L				R	G
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### Locked Switches

273.318	12	(On)-Lock-(On)	x			IND				8	H
273.238	24	(On)-Lock-(On)		x	L					L	H
273.236	24	On-On-Lock		x	L					D	H

### Hazard Switch

273.319	12	Hazard Red			L					L	U
---------	----	------------	--	--	---	--	--	--	--	---	---

### Windscreen Wiper Washer

273.321	12	On-On-(On)		x	F	IND				R	A
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### JBC Type Replacement Switch Switch Bases (push down for on)

273.500	12	On-Off	x			L & F				1	
273.501	12	On-On	x			L & F				4	
273.502	12	On-On-On		x		L & F				E	
273.503	12	On-On-(On)		x		L & F				R	
273.504	12	On-On-Off		x		L & F				G	
273.505	12	On/Off Hazard		x		L				J5	

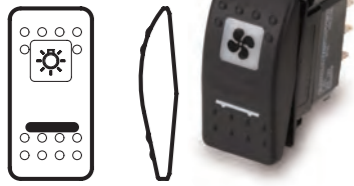
### LED Colour

	VDC	Function (**) denotes momentary	Single Pole	Double Pole	Red	Green	Amber	Wiring Diagram	Light Circuit
273.670	12	On-Off	x				IND	1	H
273.669	12	On-Off	x				IND	1	H
273.677	12	On-On-Off	x				IND	G	H
273.678	12	(On)-Off	x				IND	2	H
273.675	12	On-Off	x				IND	1	H
273.681	12	(On)-Off-(On)	x		IND	IND		2	U
273.676	12	On-Off	x				IND	1	H
273.666	12	(On)-Off-(On)	x				IND/IND	2	U
273.671	12	On-Off	x				IND	1	H
273.664	12	(On)-Off-(On)	x				IND/IND	2	U
273.674	12	On-Off	x				IND	1	H
273.667	12	(On)-Off-(On)	x		IND	IND		2	U
273.673	12	On-Off	x				IND	1	H
273.672	12	On-Off	x				IND	1	H
273.667	12	(On)-Off-(On)		x			IND/IND	8	U



## Carling Contura II Switch Actuators

### ACTUATOR/LENS



Hard surface: moulded of thermoplastic polycarbonate with hard nylon 66 thermoplastic surface overlay. Each switch base requires an actuator to function.

The list below details the insert pictures that are etched on the clear lens of the actuator.

273.1040		5th Wheel Work Lamp	273.1055		Left Arrow	273.1070		Windscreen Demist
273.1041		Air Conditioning	273.1056		Left Work Lamp	273.1071		Windscreen Washer
273.1042		Down Arrow	273.1057		Up & Down Arrow Individual Legends	273.1072		Windscreen Wiper
273.1043		Up Arrow	273.1058		Map Reading Light	273.1073		Wing Mirror Demist
273.1044		Door Opener	273.1059		Power Take-Off	273.1075		Master Lights
273.1045		Failure/Malfunction	273.1060		Rear Window Demist	273.1076		Front Fog Lamps
273.1046		Fan	273.1061		Rear Windscreen Wiper	273.1077		Rear Fog Lamps
273.1047		Fan (Ceiling)	273.1062		Right Arrow	273.1091		Direction Indicator
273.1048		Front/Rear Work Lamps	273.1063		Right Work Lamp	273.1095		Windscreen Wiper and Washer
273.1049		General Service Lamp	273.1064		Rotary Beacon	273.1096		Rear Screen Wiper and Washer
273.1050		Hazard Warning	273.1065		Side Lights	273.1117		Lumbar Support
273.1051		High Beam	273.1066		Up/Down Arrows	273.1118		Overdrive
273.1052		Raise & Lower 2 Legends	273.1067		Warm Air Blower	273.1119		Seat Heater
273.1053		Horn	273.1068		Water	273.1258		Park Brake
273.1054		Interior Light	273.1069		Window Lifter	273.1259		Diff Lock
273.1257		Rabbit						

## Wave Actuators

273.1078



Master

273.1079



Double Worklight

273.1080



Side Lights

273.1085



Worklight

273.1089



Left/Right

273.1081



Light

273.1082



Tap

273.1083



Bed Light

273.1090



Raise/Lower

273.1254



Grain Light

## Plain Actuators

273.1110



Plain Actuator

273.1094



Locating Bar Only (no insert) - Contura II

273.1074



Blank and Locating Bar - Contura II

273.1107



Plain Red Contura II

273.1097



Red Hazard Switch - Contura II

273.1099



Black Rubber Actuator - Contura II

273.1238



Contura III Plain Actuator

273.1236



Contura V Plain Actuator

273.1237



Contura V Plain Actuator in Nickel



# Switches

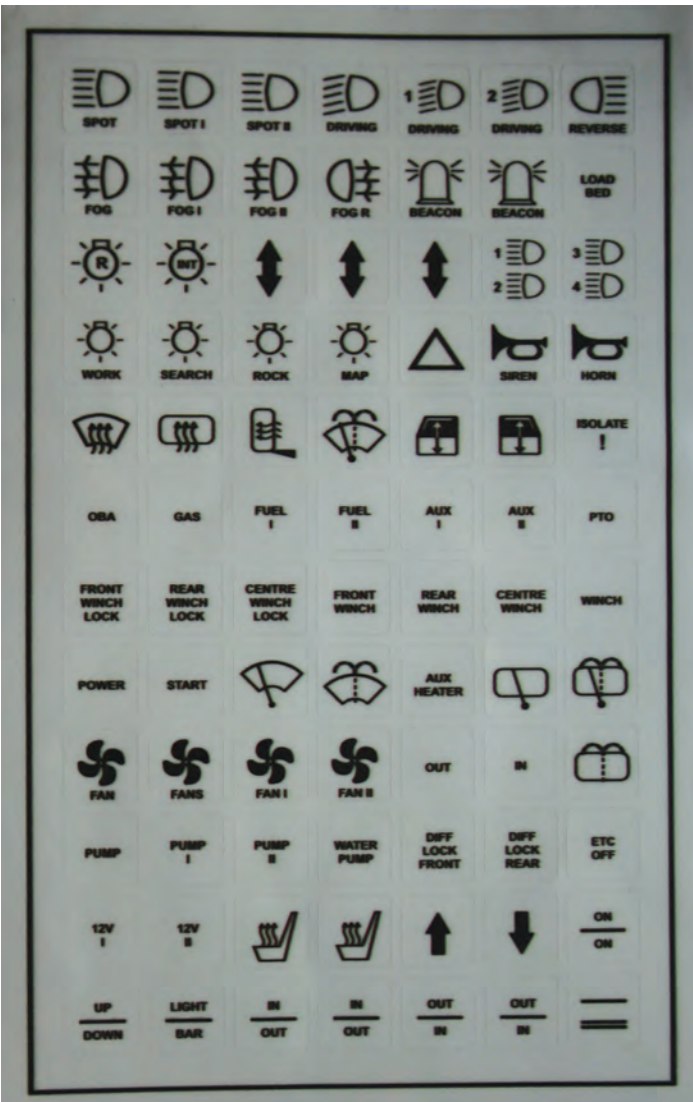
## Plain Actuators

# Switches

273.4X4LB 28 4 X 4 Decals/Legends

28 of the most popular 4 X 4 Legends which have been designed to be a made-to-measure fit for the Carling Contura II switch windows to achieve a professional finish.

The Switch Legends are supplied on a peel-off sheet. Each legend is laminated for durability



273.MARINELB Marine Legend Sheet

28 of the most popular Marine Legends which have been designed to be a made-to-measure fit for the Carling Contura II switch windows to achieve a professional finish.

The Switch Legends are supplied on a peel-off sheet. Each legend is laminated for durability

## Carling Contura V Hard Plastic Actuators

273.1213



273.661



273.1227



273.1233



273.1219



273.1204



273.1121



273.1211



273.1209



273.1207



273.1205



273.1200



273.1217



273.1200



273.1232



273.1202



273.1210



273.1222



273.1120



273.1212



273.1201



273.1215



273.1229



273.1224



273.1226



273.1221



273.1214



## Carling Warning Lights



The warning light comes with two clear legends.

These can be popped and replaced with the etched legends.

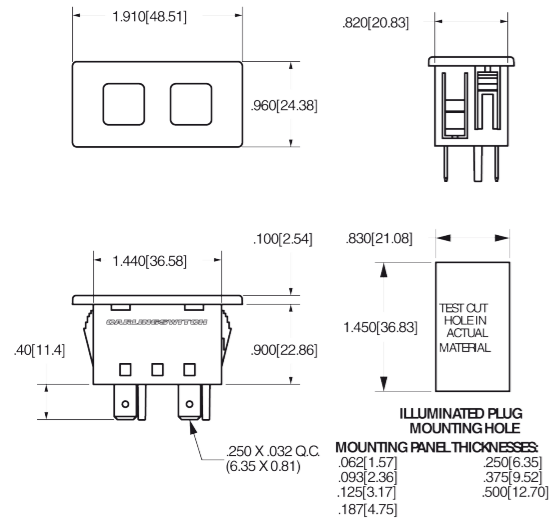
VDC	LED Position		Part number
	Top	Bottom	
12	Amber	Amber	273.013
12	Green	Green	273.014
12	Red	Red	273.015
12	Red	Green	273.016
24	Amber	Amber	273.017
24	Green	Green	273.018
24	Red	Red	273.019
24	Red	Green	273.020

### Warning Light Legends

These legends are inserted into the warning light.

The clear legends can be popped out and replaced.

The orientation of the legend is important, a top legend will only fit the top position.



Legend position		Legend	Description	Legend position		Legend	Description
Top	Bottom			Top	Bottom		
273.998	273.999	!	Failure/malfunction	273.1016	273.1017	Fuel warning	
273.1000	273.1001	Battery symbol	Battery	273.1018	273.1019	Heating coil	
273.1002		Boot lid symbol	Boot lid	273.1020	273.1021	Hydraulic motor	
273.1004		Left hand arrow	Left hand arrow	273.1024	273.1025	Lubrication oil	
	273.1005	Right hand arrow	Right hand arrow	273.1026	273.1027	Oil pressure warning	
273.1006	273.1007	Diesel pre heat symbol	Diesel pre heat	273.1028	273.1029	Parking brake	
273.1008		Direction indicator symbol	Direction indicator	273.1032	273.1033	Socket	
273.1010		Door opener, door 1 symbol	Door opener, door 1	273.1034	273.1035	Temperature	
	273.1013	Door opener, door 2 symbol	Door opener, door 2	273.1036	273.1037	Transmission oil pressure/ temp	
273.1014		Front fog lamps symbol	Front fog lamps	273.1038	273.1038	Vertical arrow	
	273.1031	Rear fog lamps symbol	Rear fog lamps	273.1038	273.1038	Vertical arrow	

## Complete Warning Lights

273.023



24v Warning Light Base  
Tanks/Toilet (Red Red)

273.600



24V WC/WC Full Indicator (Red)

273.606



24V Unlocked Indicator (Red)

273.024



24V Battery (Red) &  
Battery (Green) Status

273.615



24V Bus Stop Indicator (Red)

273.602



24V Door 1 Indicator Failure (Red)

273.022



240V Main (Green) &  
240V Generator (Green)

273.605



24V DDA Brake Active Indicator (Red)

273.604



24V Wheelchair Request /  
Wheelchair Not Stowed (Red)

273.603



24V Door 2 Indicator Failure (Red)

273.679



24V Engine Fire Warning (Green & Red)

273.668



24V Door Open (Red)  
Door Close (Green)

273.665



24V Service Indicator

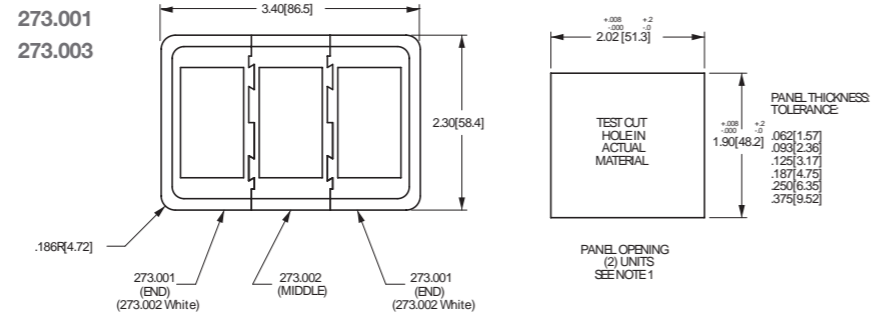


# Switches

## Carling Accessories

### Part number

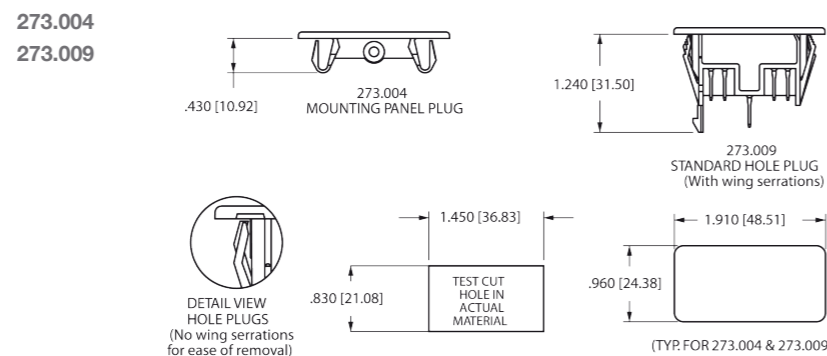
Black end mounting frame  
Black middle mounting frame



- For additional units add 1.03 [23.2] per unit
- For more than 2 V-Series switches add middle section

### Part number

Black panel hole plug  
Black panel hole plug with connector holder



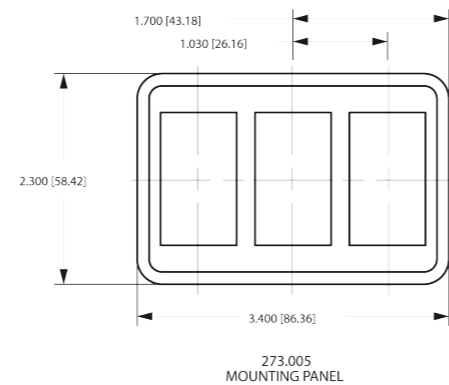
### Part number

Black 3 way mounting frame



273.005

Hole cut out  
3.05 [77.5] x 1.9 [48.2]



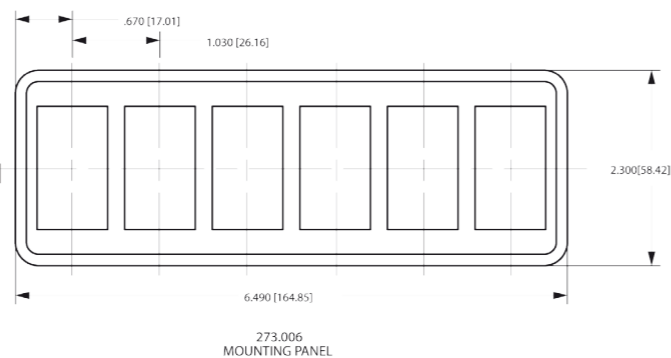
### Part number

Black 6 way mounting frame



273.006

Hole cut out  
4.08 [103.7] x 1.9 [48.2]



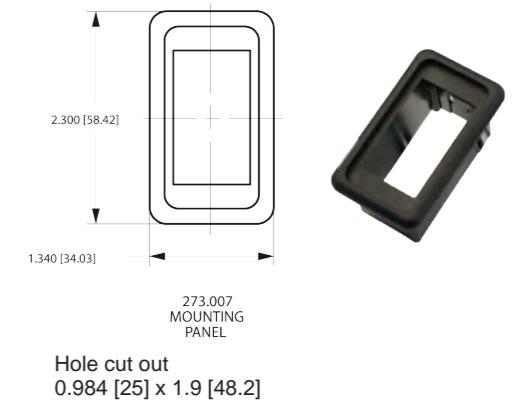
# Switches

## Carling Accessories

### Part number

Black single mounting frame

273.007



### Part number

Switch head removal tool

273.008

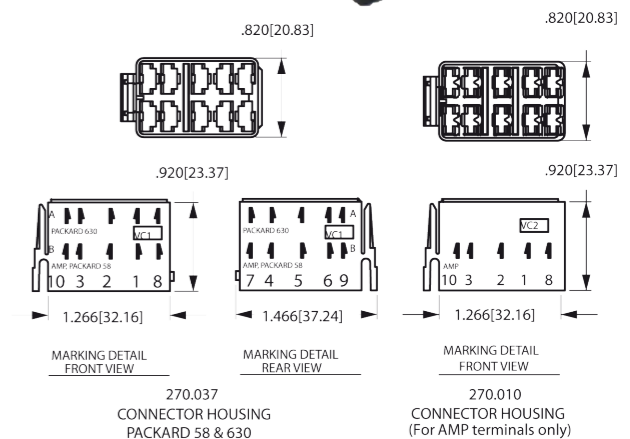


### Part number

Switch connector Amp only terminals  
Switch connector AMP & PACKARD  
(58 & Metripack 630 series)

273.010

273.037



### Part number

Packard Series Terminal (VC1 only)  
AMP 250 Series Terminal

566.120187

566.602532



## L-Series Sealed Rocker Switches

### L-Series Sealed Rocker Switches



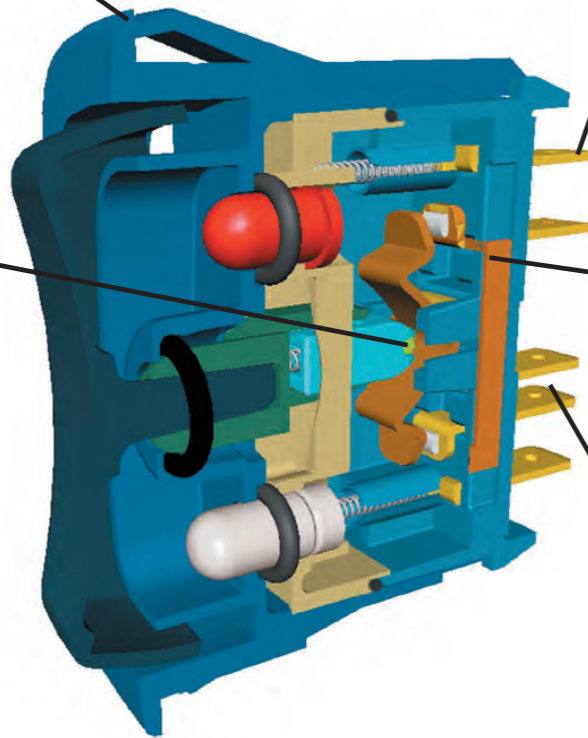
Making the right connections has never been easier — with the L-Series Rocker Switch from Carling Technologies. Not only does this innovative switch offer total design flexibility, it has set new standards for both performance and reliability. It is IP67 certified, and able to withstand temperatures from -40°C to +85°C. Features include countless switch and lamp circuit combinations, LED illuminated lenses or laser etched rockers, as well as hundreds of legend choices and several accessories.

#### Eliminates need for retooling

Neatly proportioned, our L-Series fits into industry standard mounting holes of 1.734" x .867" and 44.0mm x 22.0mm.

#### Withstands extreme temperatures

Roller pin mechanism eliminates need for lubricants, so it can withstand from -40°C to +85°C.



#### Integrates easily into your system

You can choose from a variety of termination options, including .250 TAB QC & .187 TAB QC.

#### Ensures greater shock protection

Welded lamp connection and one-piece internal, jumperless terminal withstand extreme shock and vibration.

#### Maximizes your design flexibility

Twelve terminals offer you an extensive range of switch and lamp circuit options, including LED or incandescent illumination.



	VDC	Function (**) denotes momentary	Single Pole	Red
273.805	24	(On)-Off	x	IND
273.804	24	Locking	x	IND
273.620	24	On-Off	x	
273.309	24	Locking	x	

## Circuit Breakers

### E-T-A Circuit Breakers

#### E-T-A 1610 SAE Type III Thermal Circuit Breaker 12/24v Manual Reset

Can replace standard blades in most fuseholders and boxes

Part number	Rated at	Colour	Durite Cross Ref
205.1610/6A	6 amp	Green	0-380-06
205.1610/8A	8 amp	Honey	0-380-08
205.1610/10A	10 amp	Red	0-380-10
205.1610/15A	15 amp	Blue	0-380-15
205.1610/20A	20 amp	Yellow	0-380-20
205.1610/25A	25 amp	Pearl	0-380-25
205.1610/30A	30 amp	Light Green	0-380-30



#### E-T-A 1170 SAE Type III Thermal Circuit Breaker 12/24v Manual Reset and Trip

Can replace standard blades in most fuseholders and boxes

Part number	Rated at	Colour	Durite Cross Ref
205.1170/6A	6 amp	Green	0-381-06
205.1170/8A	8 amp	Honey	0-381-08
205.1170/10A	10 amp	Red	0-381-10
205.1170/15A	15 amp	Blue	0-381-15
205.1170/20A	20 amp	Yellow	0-381-20
205.1170/25A	25 amp	Pearl	0-381-25



## Carling Circuit Breakers

### C1 005 Series Illuminated Thermal Circuit Breaker Switch

Designed for industry standard .550 x 1.125 mounting hole, the C1005-Series is a switch and a circuit protector in one small, compact package. This combination device eliminates the need for both a switch and thermal circuit protector on customer panels. By using only this multipurpose product, wiring and assembly costs are greatly reduced, while at the same time saving valuable panel real estate. This series is ideally suited for such applications as household and commercial appliances, transportation, marine, telecommunications, power strips, audio-visual, medical, power supplies, and exercise equipment.

IP 56  
32VDC Max Voltage  
Operating Temperature -10°C to +60°C

Part number	Rated at
274.C1010	10 amp
274.C1015	15 amp



### CTB Series Thermal Circuit Breaker

The CTB-Series is a compact, single pole, rocker actuated family of thermal circuit breakers designed to protect equipment. Utilizing simple, precision design with few moving parts, these breakers offer cost effective, extremely reliable circuit protection with high resistance against shock and vibration. They are ideally suited for such applications as household and commercial appliances, transportation, marine, telecommunications, power strips, audio-visual, medical, power supplies, and exercise equipment. ROHS Compliant.

IP56  
50VDC Max Voltage  
Operating Temperature -10°C to +60°C

Part number	Rated at
274.CTB003	3 amp
274.CTB005	5 amp
274.CTB010	10 amp
274.CTB015	15 amp





### CLB Series Push-to-Reset Thermal Circuit Breaker

The CLB-Series is a compact, single pole, push-to-reset family of thermal circuit breakers designed to protect equipment.

Utilizing simple, precision design with few moving parts, these breakers offer cost effective, extremely reliable circuit protection with high resistance against shock and vibration. The CLB -Series provides a consistent trip point over temperatures ranging from -10°C to +60°C. They are ideally suited for such applications as household and commercial appliances, transportation, marine, telecommunications, power strips, audio-visual, medical, and power supplies.



Part number	Rated at
274.CLB005	5 amp
274.CLB010	10 amp
274.CLB015	15 amp
274.CLB020	20 amp
274.CLB025	25 amp
274.CLB030	30 amp
274.CLB040	40 amp
274.CLB050	50 amp
274.CLB060	60 amp

IP56  
32VDC Max Voltage

### M Series Hydraulic Magnetic Circuit Breaker

The M-Series miniature hydraulic/magnetic circuit breakers are designed for those demanding applications where space, aesthetics and snap-in front panel mounting are important.

80VDC Max Voltage    Operating Temperature -40°C to +85°C



#### M Series Push-to-Reset IP56

Part number	Rated at
274.M005	5 amp
274.M010	10 amp
274.M015	15 amp
274.M020	20 amp
274.M025	25 amp



#### M Series with Military Spec Metal Toggle Switch IP67

Part number	Rated at
274.MS005	5 amp
274.MS010	10 amp
274.MS015	15 amp
274.MS020	20 amp
274.MS025	25 amp

### A Series Hydraulic Magnetic Circuit Breaker

The A-Series hydraulic/magnetic circuit breakers are compact and temperature stable designed for precision operation in OEM markets requiring general purpose as well as full load amp applications.

IP56, 80VDC Max Voltage.    Operating Temperature -40°C to +85°C



#### A Series On/Off Rocker Reset IP56

Part number	Rated at
274.A005	5 amp
274.A010	10 amp
274.A015	15 amp
274.A020	20 amp
274.A025	25 amp
274.A030	30 amp
274.A040	40 amp
274.A050	50 amp



#### A Series with Military Spec Metal Toggle Switch IP67

Part number	Rated at
274.AM005	5 amp
274.AM010	10 amp
274.AM015	15 amp
274.AM020	20 amp
274.AM025	25 amp
274.AM030	30 amp
274.AM040	40 amp
274.AM050	50 amp

### C Series Hydraulic Magnetic Circuit Breaker

The C-Series hydraulic/magnetic circuit breakers are designed for those applications requiring higher amperage and voltage handling capability in a smaller package.

The C-Series UL489 circuit breakers employ a unique arc chute design which results in obtaining higher interrupting capacities, up to 10,000 amps. New thermostat glass filled polyester half shell construction provides for increased mechanical and electrical strength. Wiping contacts, mechanical linkage with two step actuation, cleans contacts providing high, positive contact pressure and longer contact life.

IP 67 Panel Mounted. 80VDC Max Voltage.    Operating Temperature -40°C to +85°C



#### C Series with On/Off Rocker Reset IP56

Part number	Rated at
274.C060	60 amp
274.C070	70 amp
274.C080	80 amp
274.C100	100 amp

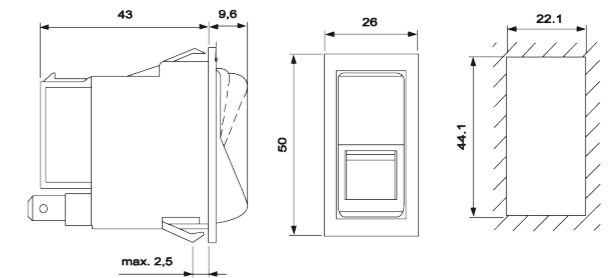
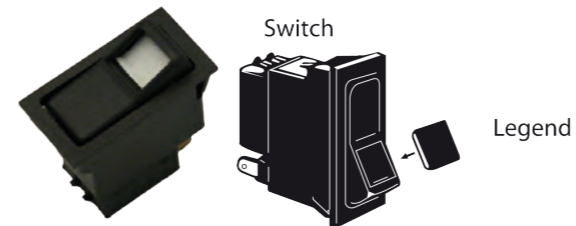


#### C Series with Military Spec Metal Toggle Switch IP67

Part number	Rated at
274.CM060	60 amp
274.CM070	70 amp
274.CM080	80 amp
274.CM100	100 amp

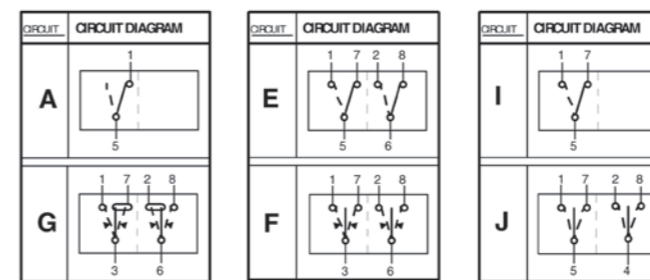
To create your completed switch, first select the switch below and then add the legend.

Switches are supplied without legends.



	VDC	Function (***) denotes momentary	Single Pole	Double Pole	Locating (half bright when lit)	Function (full bright when lit)	Possible other function	Wiring Diagram
270.444000	12-24	On-Off	x					A
270.444020	12	On-On	x			x	On-Off	I
270.444021	24	On-On	x			x	On-Off	I
270.444024	12	On-On	x		x	x	On-Off	I
270.444025	24	On-On	x		x	x	On-Off	I
270.444106	12	On-On		x		x	On-Off	E
270.444107	24	On-On		x		x	On-Off	E
270.444110	12	On-On		x	x	x	On-Off	E
270.444111	24	On-On		x	x	x	On-Off	E
270.444058	12	(On)-Off-(On)		x	x			F
270.444059	24	(On)-Off-(On)		x	x			F
270.444051	12	On-Off-On		x	x			J
270.444052	24	On-Off-On		x	x			J
270.444215	24	(On)-On-(On)		x	x			G
270.444130	12	Off-(On)		x	x			K
270.444131	24	Off-(On)		x	x			K

### Switch Circuit Diagram



SYMBOL LEGEND	
SYM.	DEFINITION
○	DESIGNATES TERMINALS AND CONTACTS
—	DESIGNATES TWO POSITION CONNECTION
○—○	DESIGNATES MAINTAINED CIRCUITS
—	DESIGNATES OTHER POSITION
○—○	DESIGNATES MOMENTARY CIRCUITS

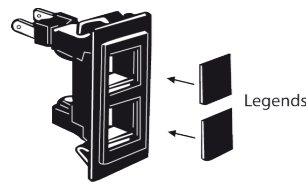
Ratings  
12v @ 16A  
24v @ 8A

IP53  
20,000 Cycles



# Switches

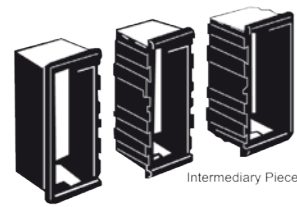
## SWF/Britax Type Warning Lights



Part number	
270.611502	12v warning light
270.611503	24v warning light

Warning lights are supplied without legends.

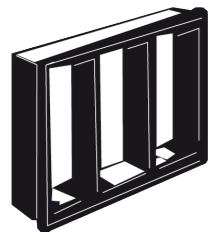
## SWF/Britax Type Mountings and Accessories



Part number	
270.694802	End Piece
270.694801	Intermediary Piece

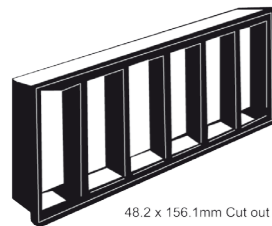
2 x 270.694802 48.2 x 51.3mm Cut out

2 x 270.694802 48.2 x (51.3mm + 26.2 for each 270.694801) Cut out



Part number	
270.895502	3 Way Mounting Frame

48.2 x 77.6mm Cut out



Part number	
270.895802	6 Way Mounting Frame

48.2 x 156.1mm Cut out



Part number	
270.896289	Socket Housing



Part number	
270.896273	Blanking Cover Plate



Part number	
270.896956	12v Spare Socket and Bulb
270.896710	24v Spare Socket and Bulb

# Switches

## SWF/Britax Type Legends

270.894767	Work lamp Green	270.896313	Work lamp Green	270.896238	Arrow down Yellow/White
270.895153	Insert radio Green	270.896639	Interior light: Dim Green	270.895130	Boot lid Red
270.895427	All wheel drive Green	270.896152 270.895967	Door opener Red Door opener Green	270.895145 270.895131	Auxiliary step Green Auxiliary step Red
270.895436	Engine overheated Red	270.896625	Windscreen wiper Green	270.894484	Position lamp Blue
270.895851 270.894445	Door opener, door 1 Green Door opener, door 1 Red	270.896654	Side marker lamps Green	270.896649	Fog lamp Green
270.895852	Door opener, door 2 Green	270.895433	Fog lamp Green	270.895422	Lower Green
270.896141	Transmission oil temp Red	270.895143	Line indicator Green	270.895423	Lever Green
270.896142	Hydraulic motor Red	270.896637	Driving seat light Green	270.895101	Temperature insert Red
270.896153 270.896138	Battery Red Battery Yellow/White	270.896191	Hazard Red	270.896171	Lubrication, oil Red
270.896169	Main beam Blue	270.896622	Heating Green	270.896643	Air horn Green
270.896173	Parking brake Red	270.896632	Warm air blower Green	270.896651	Main light Green
270.893068	Pre-heating glow plug Orange	270.896121	Additional heating Green	270.896091	Overload warning Red
270.894485	Cargo compartment Yellow/White	270.896195	Blower Green	270.896650 270.896610	Plain Green Plain Yellow
270.895419	Electric brake system Green	270.894700	Fan Green	270.896615 270.896230 270.895620	Plain Red Plain Orange Plain Blue
270.895965	Trunk light Green	270.896642	Blower fast Green	270.896128	Water Green
270.895971	Fast Green	270.895140	Ceiling fan Green	270.892520	Exclamation Red
270.896106	Socket Green	270.894465	Heating & ventilation Yellow/White	270.896473	Service lamp Green
270.896301	Up & down arrows Green	270.896390	Rear window defroster Green	270.896641	Interior light Green
270.896392	Power take off Green	270.894460	Direction indicator Green	270.896196	Horn Green
270.896424	Position lamp Green	270.894461	Direction indicator Green	270.896426 270.896628 270.895113	Beacon Yellow/White Beacon Green Beacon Orange

# Switches

## General Switches



### 12v Round On/Off LED Spot Illuminated Rocker Switch

Panel hole 20mm  
Rating 10A @ 12v DC

#### Part number

270.132	Red
270.132G	Green
270.132Y	Yellow
270.132U	Blue



### 12v Round On/Off LED Push/Push Switch

Panel hole 20mm  
Rating 10A @ 12v DC

#### Part number

270.173	No LED
270.173A	Amber
270.173R	Red
270.173G	Green
270.173B	Blue



### 12v Square On/Off LED Push/Push Switch

Panel hole 26mm  
Rating 10A @ 12v DC

#### Part number

270.174	No LED
270.174A	Amber
270.174R	Red
270.174G	Green
270.174B	Blue



### 12v Long Handle Pull On/Off Switch

Longer neck for mounting in thicker bulkheads. Screw terminals. Min length 59mm to max length 65.5mm.

Panel hole 8mm  
Rating 16A @ 12v DC

#### Part number

270.028B



### 12v Pull On/Off Illuminated Switch

Panel hole 12.5mm  
Rating 10A @ 12v DC

#### Part number

270.028R	Red
270.028Y	Yellow

# Switches

## General Switches

### 12v Heavy Duty Metal Toggle Switch

Panel hole 12.5mm  
Rating 25A @ 12v DC

#### Part number

270.011 On/Off



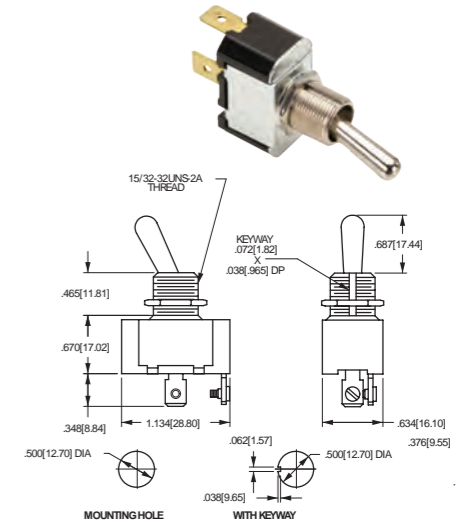
### F-Series Single Pole Toggle Switches

General purpose switch.

Electrical life: 50,000 cycles - maintained  
25,000 cycles - momentary  
Mechanical life: 100,000 cycles  
Rating: 20A @ 12v DC / 10A @ 24v DC  
Mounting hole: 12.7mm  
Terminals: 6.35mm

#### Part number

273.100	Single pole on/on toggle switch
273.101	Single pole momentary (on)/off toggle switch
273.102	Single pole momentary (on)/off/(on) toggle switch
273.103	Single pole on/off/on toggle switch
273.108	Splashproof cover



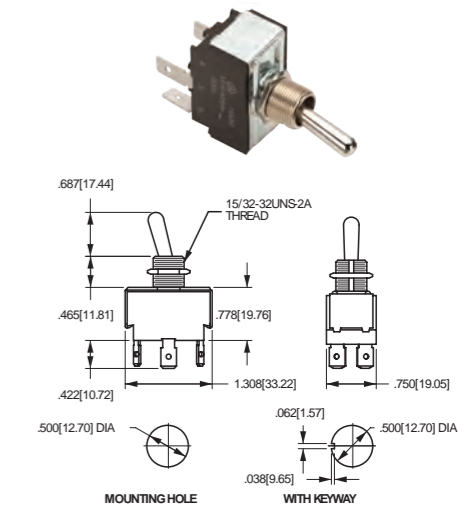
### G-Series Toggle Switches

General purpose switch with metal toggle. (ON) represents momentary function.

Electrical life: 50,000 cycles - maintained  
25,000 cycles - momentary  
Mechanical life: 100,000 cycles  
Rating: 20A @ 12v DC / 10A @ 24v DC  
Mounting hole: 12.7mm  
Terminals: 6.35mm

#### Part number

273.104	Double pole on/on (on/off) toggle switch
273.105	Double pole momentary (on)/off/(on) toggle switch
273.106	Double pole momentary (on)/off toggle switch
273.107	Double pole on/off/on toggle switch
273.108	Splashproof cover



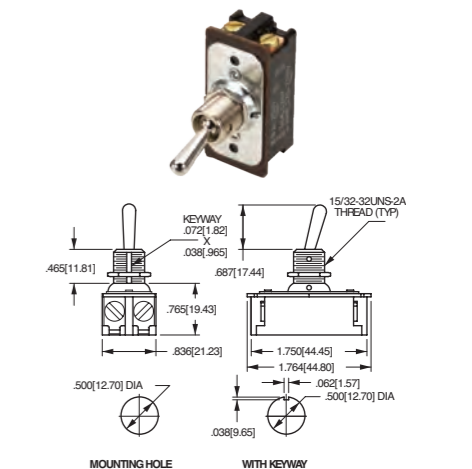
### DK-Series Single Pole Toggle Switches

Heavy duty switch, screw terminal with metal toggle.

Electrical life: 50,000 cycles - maintained  
25,000 cycles - momentary  
Mechanical life: 100,000 cycles  
Rating: 60A @ 12v DC / 30A @ 24v DC  
Mounting hole: 12.7mm

#### Part number

273.109	Single pole on/off toggle switch
273.110	Double pole on/off toggle switch
273.108	Splashproof cover



# Switches

## General Switches



### Three Position Side and Headlamp Single Pole Switch

Nickel plated brass lever and 6.3mm blade terminals.

Panel hole 13mm  
Rating 10A @ 28v DC

**Part number**  
270.006 PFF/A/A+B



### 12V Single Pole Switch

Switch with PVC shroud over nylon toggle lever. 6.3mm blade terminals.

Panel hole 13mm  
Rating 10A @ 12v DC

**Part number**  
270.008 On/Off



### Heavy Duty Toggle Switch with Splash Proof Cover

Silver contacts with 6.3mm blade terminals.

Panel hole 12.5mm  
Rating 25A @ 12v

**Part number**  
270.013 PFF/A/A+B



### Toggle Switch

6.3mm blade terminals.

Panel hole 12.5mm  
Rating 20A @ 12v

**Part number**  
270.002 PFF/A/A+B



### Red Aircraft Style Switch Position Indicator Cover

Prevents accidental switch operation. Fits most 13mm toggle switches.

**Part number**  
270.158 Red Cover  
270.160 Yellow Cover

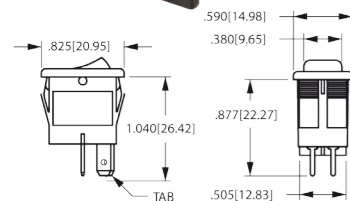


### 621 Series Rectanglar Rocker

I-O vertical legend. Visible red rocker end.

Electrical life: 50,000 cycles - maintained  
Mechanical life: 100,000 cycles  
Rating: 20A @ 12v DC / 10A @ 24v DC  
Mounting hole: 6.35mm

**Part number**  
273.116 Single pole on/off rectangular rocker switch



PANEL THICKNESS	X	Y
.030[.762]-.060[1.52]	.508[12.90]	.756[19.20]
.060[1.52]-.093[2.36]	.508[12.90]	.764[19.40]
.093[2.36]-.156[3.96]	.508[12.90]	.780[19.81]

TEST CUT HOLE IN ACTUAL MATERIAL

1.155

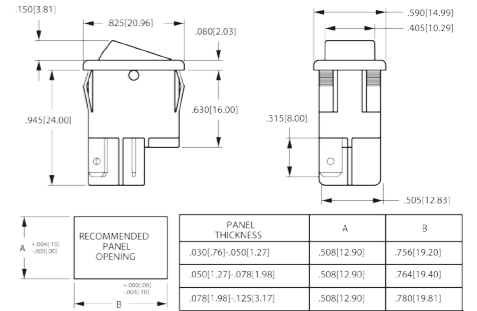
# Switches

## General Switches

### 622 Series Plain Black Rectangular Rocker

Electrical life: 50,000 cycles - maintained  
Mechanical life: 100,000 cycles  
Rating: 24A @ 12v DC / 12A @ 28v DC  
Terminals: 6.35mm

**Part number**  
273.117 Double pole on/off rectangular rocker switch



### 12v Red Illuminated Rectangular Led Rocker Switch

Panel hole 20 x 34.5mm  
Rating 20A @ 12v DC

**Part number**  
270.147 On/Off



### 12v Illuminated Heavy Duty Pull Switch

Supplied with amber, red and green lens.

Panel hole 14.5mm  
Rating 10A @ 12v DC

**Part number**  
270.029 On/Push Off



### 12v Push Button

Single pole, push to momentarily make, with rubber sealing gaiter and boot. Screw terminals.

Panel hole 22mm  
Rating 12.5A @ 12v DC

**Part number**  
270.106 Off/(On)



### 12v Heavy Duty Momentary Push Switch Off-(On)

Panel hole 26mm  
Rating 16A @ 12v DC

**Part number**  
270.030 Switch  
273.030WPC Splashproof cover



1.156

## General Switches



### 12v Three Position Rotary Switch

Splash proof to Din40 050, IP53.

Panel hole 12mm  
Rating 29A @ 12v DC

#### Part number

366.065604 Off/Side/Head



### 12v Two Position Rotary Switch

Panel hole 12mm  
Rating 15A @ 12v DC

#### Part number

270.032 ON/Off

## Courtesy Switches

### 12/24V Door Courtesy Protrudes On The OFF Position

Panel hole 20.5mm  
Rating 15A @ 12v DC  
Protrudes 11mm

#### Part number

270.038



### 12/24V Door Courtesy Protrudes On The ON Position

Panel hole 20.5mm  
Rating 15A @ 12v DC  
Protrudes 11mm

#### Part number

270.040

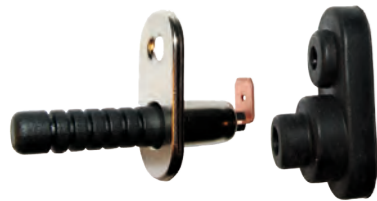
### 12/24V Door/Alarm Courtesy With Long Plunger

Door courtesy protrudes on the ON position.

Panel hole 11.5mm  
Rating 20A @ 12v DC  
Protrudes 25mm

#### Part number

270.167  
270.169 Rubber cover



### 12/24V Door Courtesy With Rubber Gasket

Door courtesy protrudes on the ON position.

Panel hole 12.5mm  
Rating 20A @ 12v DC  
Protrudes 15mm

#### Part number

270.168



## Courtesy Switches

### 12/24V Door Courtesy With Telescopic Plunger

Door courtesy protrudes on the ON position. Self adjust to door gap max 47mm, min 29mm.

Panel hole 11.5mm  
Rating 20A @ 12v DC

#### Part number

270.042



### 12/24V Door Courtesy With Cut To Length Extended Plunger

Door courtesy protrudes on the ON position. Max 30mm.

Panel hole 10.5mm  
Rating 20A @ 12v DC

#### Part number

270.170  
270.171 Rubber boot cover for 270.170



## Battery Isolating Switch

### Battery Isolater With Removable Key and Splashproof Cover

With independent ignition switching and controls earth leakage through resistor. M8 studs.

Panel hole 25.5mm  
Rating 150A @ 24v DC; 1200A for 5 sec

#### Part number

271.028  
271.029 Key for 271.028



### Battery Isolater With Removable Key. M8 studs.

Panel hole 24mm  
Rating 100A @ 24v DC; 500A for 5 sec

#### Part number

271.030  
271.031 Key for 271.030



### Budget Battery Isolater With Removable Key and Splashproof Cover. M8 studs.

Panel hole 24mm  
Rating 100A @ 24v DC; 500A for 5 sec

#### Part number

270.033  
270.034 Key for 270.033 & 271.032



### Battery Isolater With Removable Key and Splashproof Cover. M8 studs.

Panel hole 24mm  
Rating 100A @ 24v DC; 500A for 5 sec

#### Part number

271.032  
270.034 Key for 270.033 & 271.032



## Battery Isolating Switch



### Battery Isolator with Removable Key and Splashproof Cover. M10 studs.

Panel hole 24mm  
Rating 250A @ 24v DC; 2500A for 5 sec

**Part number**

270.035  
270.035A Spare key for 270.035



### Battery Isolator with Fixed Handle. M10 studs.

Panel hole 30.5mm  
Rating 250A @ 24v DC; 2500A for 5 sec

**Part number**

270.036



### Battery Isolator with Removable Key In The ON or OFF Position. M8 studs.

Panel hole 22.5mm  
Rating 100A @ 24v DC; 500A for 5 sec

**Part number**

271.042



### Battery Isolator with Fixed Handle. M8 studs.

Panel hole 19.5mm  
Rating 100A @ 24v DC; 500A for 5 sec

**Part number**

270.073

## Ignition Switches



### 3 Position Universal Ignition Switch

Supplied with two universal keys. Off/on/start. Panel hole 26mm.

**Part number**

270.165  
270.166 Spare key for 270.165

### 4 Position Universal Ignition Switch

Supplied with two universal keys. Park/off/ignition/start. Panel hole 26mm.

**Part number**

270.161  
270.162 Spare key for 270.161

### 5 Position Universal Ignition Switch

Supplied with two universal keys, complete with cover. Park/off/ignition/pre-heat/start. Panel hole 26mm.

**Part number**

270.163  
270.164 Spare key for 270.163

Supplied with two universal keys, complete with cover. Off/accessory/ignition/pre-heat/ heat start. Panel hole 19mm. Replaces Lucas 35630.

**Part number**

270.047

## Ignition Switches

### 4 Position Universal Ignition Switch

Supplied with two universal keys. Off/ignition/pre-heat/heat start. Panel hole 16mm.

**Part number**

270.045  
270.046 Spare key for 270.045



### 2 Position Universal Ignition Switch

Supplied with two universal keys. Off/on. Panel hole 22mm.

**Part number**

270.050  
270.048A Spare key for 270.050



## Burgess Limit Switches

### 3BR103 Single Pole Change Over Limit Switch

Spring plunger with cowl protection. Dimensions 53.1 x 20.6 x 30.8mm. 250VAC 15A. IP54.

Three 6BA screws with captive washer behind removable cover.

**Part number**

270.016



### 4BR Single Pole Change Over Limit Switch

Spring plunger with cowl protection. Dimensions 53.1 x 20.6 x 29.2mm. 250VAC 15A. IP67.

Three 6BA screws with captive washer behind removable insulated cover.

**Part number**

270.113



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\*Conditions apply, ask for details





### Telemecanique Harmony Control Stations

Light Grey Base Dark Grey Lid  
Harmony Range Telemecanique XALD102  
1 Normally Open Contact

#### Part number

**610.D102** 1 Flush Green Spring Return Start Push Button Control Box



1 Normally Closed Contact  
Conforms to IEC/EN 60947-5-5 and Machinery Directive 98/37/EC  
Grey Base Yellow Lid  
Harmony Range Telemecanique XALK174  
IP65 Rated

#### Part number

**610.K174** 40mm Mushroom Head Push Button Turn to Release Control Box



1 Normally Closed Contact  
Conforms to IEC/EN 60947-5-5 and Machinery Directive 98/37/EC  
Grey Base Yellow Lid  
Harmony Range Telemecanique XALK184  
IP656 Rated

#### Part number

**610.K184** 40mm Std. Key Release Control Box



2 Normally Open Contacts  
1 Flush White Button with Black Arrow  
1 Flush Black Button with White Arrow  
Light Grey Base Dark Grey Lid  
Harmony Range Telemecanique XALD222  
IP65 Rated

#### Part number

**610.D222** Two Button Arrow Up and Arrow Down Control Station



2 Normally Open Contacts  
1 Normally Closed Contact  
1 Flush White Button with Black Arrow  
1 Flush Red Button with White Circle  
1 Flush Black Button with White Arrow  
Light Grey Base Dark Grey Lid  
Harmony Range Telemecanique XALD324  
IP65 Rated

#### Part number

**610.D324** Three Button Arrow Up, Arrow Down and Stop Control Station

2 Normally Open Contacts  
1 Selector Switch  
1 Flush White Button with Black Arrow  
1 Flush Red Button with White Circle  
1 Flush Black Button with White Arrow  
Light Grey Base Dark Grey Lid  
Harmony Range Telemecanique XALD324  
IP65 Rated

#### Part number

**613.001** Three Button Arrow Up, Arrow Down and Selector Switch Control Station



2 Normally Open Contacts  
Polypropylene 2 Button with pistol grip  
With Hook  
Harmony Range Telemecanique XACA201  
IP65 Rated

#### Part number

**610.201** Two Button Pendant Control Station



### Harmony Spares

#### Switch Heads

Harmony Range Telemecanique ZB5AD2  
2 Stay Put Positions rotary switch

#### Part number

**612.AD2** Two Position Standard Black Selector Switch



Harmony Range Telemecanique ZB5AG4  
On/Off security isolator  
Can be locked on or off  
Key can be removed in either position  
Supplied with two Keys Number 612.455

#### Part number

**612.AG4** Two Position (Stay-Put) Key Switch  
**612.455** Spare Key



Harmony Range Telemecanique ZB5AS4  
Red 40mm Mushroom Head Stop Switch  
Conforms to IEC/EN 60947-5-5 and Machinery Directive 98/37/EC

#### Part number

**612.AS4** 40mm Red Mushroom Head Stop Button



Harmony Range Telemecanique ZB5AS74  
Key Release Only Security Stop Switch  
Conforms to IEC/EN 60947-5-5 and Machinery Directive 98/37/EC

#### Part number

**612.AS74** 40mm Red Lockable Stop Button  
**612.455** Spare Key



### Contacts



Harmony Range Telemecaniques ZB5AS44  
Red 30mm Turn to Release Stop Button  
Conforms to IEC/EN 60947-5-5 and machinery directive 98/37/EC

#### Part number

**612.AS44** Turn to Release Stop Button



Harmony Range Telemecanique ZENL1111  
Single Pole Normally Open Contact

#### Part number

**612.ZENL1111** Standard Normally Open Contact (Green Contact)



Harmony Range Telemecanique ZENL1121  
Single Pole Normally Closed Contact

#### Part number

**612.ZENL1121** Standard Normally Closed Contact (Red Contact)



Harmony Range Telemecanique ZB2BE101  
Single Pole Normally Open Contact For Pendant Control

#### Part number

**612.E101** Single Pole Normally Open Contact (for Pendant)



Harmony Range Telemecaniques ZB5AZ101

#### Part number

**612.AZ101** Normally Open Fixing Collar Single Contact



Harmony Range Telemecaniques ZB5AZ102  
Single Pole Normally Open Contact For Pendant Control

#### Part number

**612.AZ102** Normally Closed Fixing Collar Single Contact

### Empty Boxes

#### Part number

<b>612.D01</b>	Single Way Empty Box	Harmony Range Telemecanique XALD01 Single Box Light Grey Base Dark Grey Lid
<b>612.D02</b>	Two Way Empty Box	Harmony Range Telemecanique XALD02 Two Hole Box Light Grey Base Dark Grey Lid
<b>612.D03</b>	Three Way Empty Box	Harmony Range Telemecanique XALD03 Three Hole Box Light Grey Base Dark Grey Lid
<b>612.D04</b>	Four Way Empty Box	Harmony Range Telemecanique XALD04 Four Hole Box Light Grey Base Dark Grey Lid



### Push Button Heads

#### Part number

<b>612.AA334</b>	Black Arrow on white Flush Push Button	Harmony Range Telemecanique ZB5AA334 Round Switch Light Grey Base Dark Grey Lid	
<b>612.AA335</b>	White Arrow on Black Flush Push Button	Harmony Range Telemecanique ZB5AA335 Round Switch Black Base Black Cap with Up Arrow	
<b>612.AA343</b>	Up (Marked) Flush Push Button	Harmony Range Telemecanique ZB5AA343 Round Switch Black Base White Cap with Down Arrow	
<b>612.AA344</b>	Down (Marked) Flush Push Button	Harmony Range Telemecanique ZB5AA344 Round Switch White Base Black Cap Printed Up	
<b>612.AA432</b>	O Red Stop Flush Push Button	Harmony Range Telemecanique ZB5AA432 Round Switch Black Base Red Cap O Circle	
<b>612.AA4</b>	Red Flush Push Button	Harmony Range Telemecanique ZB5AA4 Round Switch Black Base Red Cap	
<b>612.AHo1</b>	White Flush Push Button	Harmony Range Telemecanique ZB5AH01 Round Switch Black Base White Cap	





### Mafalec Control Systems

#### Taillift Contol

##### Part number



614.BI5020A Two Button Pistol Grip Box Up Down BI5020A



614.BTH3F102W/1SS Two Button Hand Set with Stop Button and 3 Core Wander Lead BTH3F102W/1SS

614.YSI1578A Two Button Box Up and Down YSI1578A



614.YSI1582A Three Button Box Up Down and Tilt YSI1582A  
614.YSI1582W Three Button Box Up Down and Tilt Complete with 3m Lead and Plug YSI1582W



614.YSI1587A Three Button Box Up Down and Select



614.YSI1592 Four Button Box with Stop Switch YSI1592



614.YSI17181A Single Box Stop Button YSI17181A

#### Spares

##### Part number



614.MAK196/A2 Five Sided Socket Red Key MAK196/A

### Empty Boxes

##### Part number

614.BTH1CI 1-Hole Empty Handset Moulded Bezel BTH 1CI

614.BTH2CI 2-Hole Empty Handset Moulded Bezel BTH 2CI

614.BTH3CI 3-Hole Empty Handset Moulded Bezel BTH 3CI

614.BTH3MX 3-Hole Empty Handset 2x Moulded Bezel + 1x std BTH 3MX



### Contacts

##### Part number

614.YSK2273 1NC RC (stop) Body Contact Block with Rubber Bracket YSK2273

614.YSK2274 1NO 1NC RC (stop) Body Contact Block YSK 2274

614.YSK2275 2NC RC (stop) Body Contact Block YSK 2275

614.YSI1023 1NO Contact Block YSI 1023





614.YSI1025 1NO 1NC Contact Block YSI 1025

614.YSI1026 2NO Contact Block YSI 1026





### Push Button Heads

#### Part number

	614.MAI869A00	Black Head Push-Button	MAI 869A00
	614.MAI869A90	White Head Push-Button	MAI 869A90
	614.MAI869A50	Green Head Push-Button	MAI 869A50
	614.MAI869A80	Grey Head Push-Button	MAI 869A80

### Switch Heads

#### Part number

	614.YSK2147A210VFURCV2	Ø30mm Stop Key (455) Locked P-Pull Head	YSK2147A210VFURCV2
	614.YSI1123	Rotary Switch Head	YSI1123



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### Refuse Vehicle Spares

#### Part number

614.YSK2087A6	Ø40mm Mushroom Head Button Light Blue (up)	YSK 2087A6	
614.YSK2087A7	Ø40mm Mushroom Head Button Dark Blue (down)	YSK 2087A7	
614.YSK2087A0	Ø40mm Mushroom Head Button Black (clamp)	YSK 2087A0	
614.YSK2087A9	Ø40mm Mushroom Head Button Grey (unclamp)	YSK 2087A9	
614.YSK578D0	Ø40mm Mushroom Head Button Black	YSK 578D0	
614.YSK578D2	Ø40mm Mushroom Head Button Red (stop)	YSK 578D2	
614.YSK578D4	Ø40mm Mushroom Head Button Yellow (rescue)	YSK 578D4	
614.YSK578D5	Ø40mm Mushroom Head Button Green	YSK 578D5	
614.MAK636A81	Finger Guard (w/seal)	MAK 636A81	

# Tape



Looking for:  
**Telemechanique**  
go to  
Page 1.161

Part number	Description	Pk Qty
500.001/10	Black PVC 19mm x 20m Roll	10
500.008	Black PVC 50mm x 20m Roll	1
500.002	Red PVC 19mm x 20m Roll	1
500.003	Blue PVC 19mm x 20m Roll	1
500.004	Green PVC 19mm x 20m Roll	1
500.005	White PVC 19mm x 20m Roll	1
500.006	Brown PVC 19mm x 20m Roll	1
500.007	Yellow PVC 19mm x 20m Roll	1
500.009	Black PVC 19mm x 33mm Roll	1
500.010/10	PTFE Thread Sealing Tape 12mm x 12m Roll	10
500.012	Black PVC Non-Adhesive Loom Tape, 19mm x 33m Roll	1
500.013/6	19mm x 50m Masking Tape	6
500.014/6	19mm x 50m Masking Tape	6
500.100	Black Gaffer 100mm x 50m Roll	1
500.011BK	Black Gaffer 50mm x 25m Roll	1
500.011S	Silver Gaffer 50mm x 25m Roll	1
500.011W	White Gaffer 100mm x 50m Roll	1
500.020	Double Sided Padded Tape 19mm x 10m Roll (for mirrors and number plates)	1
500.615	Black PVC Adhesive Tape 19mm x 33m Roll	1
500.022	Double Sided Clear Tape 19mm x 10m Roll	1
500.200	5m 20mm Adhesive Hook Fastner	
500.201	25m 20mm Adhesive Hook Fastner	
500.203	5m 20mm Adhesive Loop Fastner	
500.204	25m 20mm Adhesive Loop Fastner	

# Terminals - Insulated



Looking for:  
**Crimping Tools**  
go to  
Page 1.191

**Insulated Terminals**  
All Pre-Insulated Terminals are of Military Spec BS5G178

Terminals (Pk 100)	Red	Blue	Yellow
	9/0.3mm - 21/0.30mm 0.65mm <sup>2</sup> - 1.5mm <sup>2</sup>	14/0.3mm - 35/0.3mm 1.00mm <sup>2</sup> - 2.3mm <sup>2</sup>	35/0.3mm - 84/0.3mm 2.63 - 6.64mm <sup>2</sup>
<b>Female Spade</b>			
2.8mm	530.6101/100		
4.8mm	530.6102/100	530.6103/100	
6.3mm	530.6104/100	530.6105/100	530.6106/100
8.0mm		530.6107/100	
9.5mm			530.6108/100
<b>Male Spade</b>			
2.8mm	530.6114/100		
4.8mm	530.6115/100	530.6110/100	530.6111/100
6.3mm	530.6109/100		
<b>Male Bullet</b>			
4.0mm	530.6201/100	530.6202/100	530.6203/100
5.0mm		530.6100/100	
<b>Female Bullet Receptacle</b>			
4.0mm	530.6204/100	530.6205/100	530.6206/100
5.0mm		530.6708/100	
<b>Butt Connector</b>			
4.0mm	530.6301/100		
5.0mm		530.6302/100	
6.8mm			530.6303/100
<b>Pin Connector</b>			
1.9mm	530.6304/100	530.6305/100	
2.9mm			530.6306/100
<b>Piggy Back</b>			
6.3mm	530.6307/100	530.6308/100	
<b>Female Fully Insulated Spade</b>			
2.8mm	530.6314/100		
4.8mm	530.6309/100	530.6310/100	
6.3mm	530.6311/100	530.6312/100	530.6315/100
9.5mm			530.6313/100

## Terminals - Insulated

Terminals (Pk 100)

	Red	Blue	Yellow
<b>Ring</b>	9/0.3 - 21/0.30 0.65 - 1.5mm <sup>2</sup>	14/0.3 - 35/0.30 1.00 - 2.63mm <sup>2</sup>	35/0.3 - 84/0.30 2.63 - 6.64mm <sup>2</sup>
M3	530.6401/100	530.6402/100	
M3.5	530.6403/100	530.6404/100	
M4	530.6405/100	530.6406/100	530.6407/100
M5	530.6408/100	530.6409/100	530.6410/100
M6	530.6411/100	530.6412/100	530.6413/100
M8	530.6414/100	530.6415/100	530.6416/100
M10	530.6417/100	530.6418/100	530.6419/100
M12		530.6420/100	530.6421/100
<b>Fork</b>			
M3.5	530.6501/100	530.6502/100	
M4	530.6503/100	530.6504/100	530.6505/100
M5	530.6506/100	530.6507/100	530.6508/100
M6		530.6509/100	530.6510/100
<b>Blade</b>			
2.8mm	530.6112/100 	530.6113/100 	
<b>Scotch Loks</b>			
	530.6601/100 	531.6602/100 	

## Heatshrink Terminals

	Red	Blue	Yellow
<b>Butt Connector</b>			
4.0mm	530.1374/100		
5.0mm		530.1376/100	
6.8mm			530.1378/100
<b>Male Spade</b>			
6.3mm	530.1315/100	530.1316/100	
<b>Female Spade</b>			
6.3mm	530.1311/100	530.1312/100	
<b>Ring</b>			
M4	530.1400/100	530.1403/100	
M5	530.1401/100	530.1404/100	530.1410/100
M6	530.1402/100	530.1405/100	530.1413/100
M8			530.1416/100
M10			530.1419/100
<b>Butt Connector with Solder</b>			
Clear			
0.20 - 0.75mm <sup>2</sup> Pk Qty	0.60 - 2.00mm <sup>2</sup> Pk Qty	1.8 - 2.5mm <sup>2</sup> Pk Qty	2.4 - 4.5mm <sup>2</sup> Pk Qty
530.1211/10 10	530.1212/10 10	530.1213/10 10	530.1214/10 10
530.1211/100 100	530.1212/100 100	530.1213/100 100	530.1214/100 100

## Terminals - Un-Insulated

Locking Tabs

Part number

531.6732/50	6.3mm Male Brass Blade Terminal 0.65-1.00mm with Locking Tabs (Pk 50)
531.6733/50	6.3mm Male Brass Blade Terminal 0.65-1.00mm with Locking Tabs (Pk 50)
531.6734/50	6.3mm Female Brass Blade Terminal 0.50-1.00mm with Locking Tabs (Pk 50)
531.6735/50	6.3mm Female Brass Blade Terminal 1.00-2.50mm with Locking Tabs (Pk 50)
531.6709/50	6.3mm Flag (Pk 50)
531.6711/50	2.8mm Female (Pk 50)
531.6712/50	4.8mm Female (Pk 50)
531.6714/50	9.5mm Female (Pk 50)
531.6706/100	1.0-1.75mm Closed End Butt (Pk 100)
531.6707/100	1.0-2.50mm Closed End Butt (Pk 100)
531.6708/50	2.0-2.50mm Closed End Butt (Pk 50)
531.6720/50	6.3mm Straight Cover (Pk 50)
531.6717/50	6.13 Flag Cover (Pk 50)
531.6722/50	4.3mm Hole 1-5-2.5 Cable Size (Pk 50)
531.6723/50	5.3mm Hole 1-5-2.5 Cable Size (Pk 50)
531.6724/50	6.5mm Hole 1-5-2.5 Cable Size (Pk 50)
531.6725/50	8.0mm Hole 1-5-2.5 Cable Size (Pk 50)
531.6726/50	9.8mm Hole 1-5-2.5 Cable Size (Pk 50)
531.6727/50	9.5mm Hole 1-5-2.5 Cable Size (Pk 50)
220.071	1.5mm-2.5mm Terminal for 220.063 Fuse Holder
220.072	4.0mm-6.0mm Terminal for 220.063 Fuse Holder
220.073	6.0mm-10.0mm Terminal for 220.063 Fuse Holder

Terminals to Fit Carling Switch Holders VC1 and VC2

Part number

566.120187	Packard 630 Series Terminal (VC1 only)
566.602532	AMP 250 Series Terminal



# Torches

**Part number**

**800.072HD** 996/4R25 6v Lantern Dry Cell Battery



**800.073** High Capacity Rechargeable Lantern Battery



**800.074** Mains Lantern Battery Charger



**800.075** 12/24v Vehicle Charger



**800.063** Unilite Prosafe - PS-L1 High Power Krypton Bulb Floating Safety Lantern  
 High impact Co-Polymer body  
 Weatherproof for all outdoor situations  
 Floats beam upright in water  
 Effortless single-handed micro switch operation  
 Philips 4.8v Krypton bulb (spare bulb facility)  
 Bi convex beammaster lens for ultimate beam penetration  
 Battery type: 996/4R25 - 6v lantern battery (not included)



**800.UK47** Yellow Beamaster Lantern  
 Floating safety lantern  
 High impact Co-Polymer body  
 Weatherproof for all outdoor situations  
 Floats beam upright in water  
 Effortless single-handed micro switch operation  
 Philips 4.8v Krypton bulb (spare bulb facility)  
 Bi convex beammaster lens for ultimate beam penetration  
 Battery type: 996/4R25 - 6v lantern battery (not included)



**800.PSL3** LED Swivel Head Lantern  
**800.PSL3RK** LED Swivel Head Lantern with Rechargeable Kit  
 Unilite Prosafe - 160 lumen CREE LED swivel head lantern  
 LED type: CREE White LED  
 Beammaster lens for ultimate beam penetration  
 Hi-visibility yellow for added safety  
 Side charging point for rechargeable battery use  
 Water resistant  
 Impact resistant Co-Polymer to 1m  
 Rubber molded micro switch  
 Flexible rotation head 135°  
 Easy screw cap for simple battery replacement



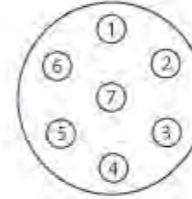
# Towing

**12N ISO 1724**



- 1 Yellow Left Side Indicator
- 2 Blue Rear Fog Light
- 3 White Earth
- 4 Green Right Side Indicator
- 5 Brown Right Position Markers
- 6 Red Brake light
- 7 Black Left Position Markers

**12S ISO 3732**



- 1 Yellow Reversing Light
- 2 Blue Reserved for future application
- 3 White Earth for circuit contact 4
- 4 Green Power Supply (continuous positive)
- 5 Brown Reserved for future application
- 6 Red Power supply over ignition switch
- 7 Black Earth for circuit contact 6

**13 PIN ISO 11446**



- |                |            |  |
|----------------|------------|--|
| 13 Core        | 2 x 7 Core |  |
| 1 Yellow       | Yellow     | Left Indicator Light                       |
| 2 Blue         | Blue       | Rear Fog Light                             |
| 3 White        | White      | Earth                                      |
| 4 Green        | Green      | Right Indicator Light                      |
| 5 Brown        | Brown      | Right Position Markers                     |
| 6 Red          | Red        | Brake Light                                |
| 7 Black        | Black      | Left Position Markers                      |
| 8 Pink         | Yellow     | Reversing Light                            |
| 9 Orange       | Green      | Continuous power supply                    |
| 10 Grey        | Red        | Power Feed for auxiliaries or split charge |
| 11 White/Black | Black      | Common return for contact 9                |
| 12 White/Blue  | Brown      | Coding coupled trailer                     |
| 13 White/Red   | White      | Common return for contact 10               |

**12v Plugs and Sockets**

**Part number**

**330.518** 12v 7 Pin Plastic Socket "S" Type



**330.517** 12v 7 Pin Plastic Plug "S" Type



**330.516** 12v 7 Pin Plastic Socket "N" Type



**330.515** 12v 7 Pin Plastic Plug "N" Type





**330.514** 12v 7 Pin Alloy Socket "S" Type



## Towing

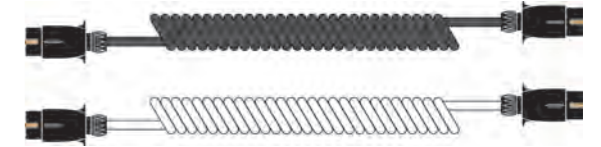
	330.513	12v 7 Pin Alloy Plug "S" Type
	330.512	12v 7 Pin Alloy Socket "N" Type
	330.511	12v 7 Pin Alloy Plug "N" Type
	330.550	12N Trailing Socket
	330.539	Socket Cable Seal
	330.532 330.531	Long Plastic Socket Cover (CT6853) Short Plastic Socket Cover (CT6764)

13 Pin		
	Part number	
	330.530	13 Pin Plastic Socket
	330.529	13 Pin Plastic Plug

## Towing

### Electrical Cables

Part number	
307.120N	12N Coiled Cable Kit
307.120S	12S Coiled Cable Kit
307.0038	Plug Adaptor 12n + 12S Sockets to 13 Pin Plug
307.0039	Plug Adaptor 12 'N' +12 'S' Sockets to 13 Pin Plug
307.0035	13 Pin Plug to 7 Pin Socket Adaptor (13 Pin Plug, Male Pins)
330.4200/16	13 Pin Socket to 7 Pin Plug (13 Pin Socket, Female Pins)
330.538A	12v Double Pre-Wired 'N' and 'S' Socket 2m Cable
330.537A	12v Single Pre-Wired 'N' Socket 2m Cable
330.535	Double Socket Mounting Plate



## Towing



330.533 Single Socket Mounting Plate



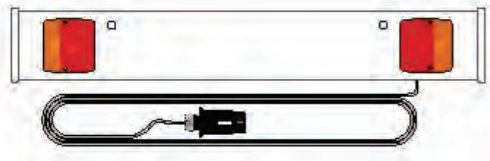
240.105 20m Lead 16amp Plug to 16amp Mains Plug Orange Cable

### Trailer Lighting Boards

Legal requirements:  
 Articulated Trailer not exceeding 1300mm wide fitted with triangles use 300.354  
 Standard Trailer Board  
 Articulated Trailer not exceeding 1300mm or first manufactured before April 1980 use 300.355 or 300.357  
 Trailer Board with trailer lights and triangles  
 Articulated Trailer not exceeding 2100mm use 300.356  
 Trailer Board with trailer lights, triangles and rear fogs

#### Part number

300.354 3' Trailer Board c/w 4m Cable



300.355 4' Trailer Board c/w 4m Cable



300.357 4' Lighting Board c/w 6m Cable



300.356 4'6 Trailer /Board c/w Fog Lamp and 6m Cable



330.548 6m Trailer Board Extension Lead



## Towing

### Relays

#### Part number

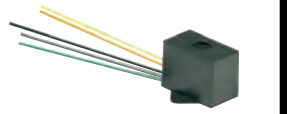
307.RCT480 12v 7 Way Smart Relay 'E' Approved  
 For Vehicle with a Canbus Electrical System



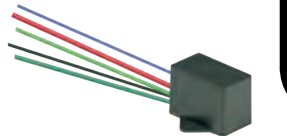
307.RCT460 Smartcom Caravan Relay  
 For Vehicle with a Canbus Electrical System



255.142 Audible Relay



307.RCT360 12S Combination Relay (for charging battery and fridge)  
 For Vehicle without a Canbus Electrical System



255.122 24-12v Transistorised Trailer Dropper (Hella 5DS 008 125 001)  
 Allows the use of 12V trailers on vehicles with 24V operating voltage.  
 The trailer connecting unit makes a separate voltage transformer or a  
 converter with 8A 12V necessary.



251.11127 TLUC-7 Trailer Converter 24v Vehicle Towing 12v  
 The converter will make most 24v indicator/Flasher relays interpret a 12v lamp as  
 a 24v lamp with correct C2 activation even during short circuit and loss of chassis  
 connection. The flasher/indicator output utilizes a combination of resistor and  
 pulse techniques. Other output operates with pulse technique.



251.24N12N 24N-12N Adaptor 24v to 12v Voltage Reducer Dropper Converter  
 24v - 12v 7 Pin Plug N Socket to 12N 13 Pin Socket  
 Simple plug and play adaptor that has a built in voltage dropper to allow 12 volt trailers to  
 be used on 24 volt vehicles without changing bulbs or wiring in messy and often unreliable  
 converters.  
 Converts 24v 24N 7 pin ISO 1185 to 12v 12N 7 pin ISO 1724.



# LET THERE BE LIGHT

Dun-Bri Group is the UK's only specialist commercial vehicle lighting supplier.




# Towing


## Radex


### Part number

	<b>318.2800/10</b>	LH 12v Rear Combination Lamp with Fog & Number Plate	Radex Connector	240 x 145 x 60mm
	<b>318.2800/10G</b>	LH 12v Rear Combination Lamp with Fog & Number Plate	Cable Entry	240 x 145 x 60mm
	<b>318.2800/11UK</b>	RH 12v Rear Combination Lamp with Fog & Number Plate	Radex Connector	240 x 145 x 60mm
	<b>318.2800/11G</b>	RH 12v Rear Combination Lamp with Fog & Number Plate	Cable Entry	240 x 145 x 60mm
	<b>318.2800/10S</b>	LH Lens		
	<b>318.2800/11S</b>	RH Lens		
	<b>318.2900/2</b>	LH Triangular Combination Lamp with Fog	Radex Connector	240 x 180 x 60mm
	<b>318.2900/2G</b>	LH Rear Combination Lamp with Fog	Cable Entry	240 x 180 x 60mm
	<b>318.2900/3UK</b>	RH Rear Combination Lamp with Fog	Radex Connector	240 x 180 x 60mm
	<b>318.2900/3G</b>	RH Rear Combination Lamp with Fog	Cable Entry	240 x 180 x 60mm
	<b>318.2900/10S</b>	LH Lens		
	<b>318.2900/11S</b>	RH Lens		

### Part number

	<b>318.5800/10</b>	LH Combination Lamp with Fog	Cable Entry	220 x 140 x 60mm
	<b>318.5800/11</b>	RH Combination Lamp with Number Plate & Fog	Cable Entry	220 x 140 x 60mm
	<b>318.5900/10</b>	LH Combination Lamp with Number Plate & Fog	Radex Connector	220 x 140 x 60mm
	<b>318.5900/11UK</b>	RH Combination Lamp with Number Plate & Fog	Radex Connector	220 x 140 x 60mm
	<b>318.5800/5900/10S</b>	LH Lens		
	<b>318.5800/5900/11S</b>	RH Lens		

	<b>318.6800/2</b>	LH Rear Combination Lamp with Fog	Radex Connector	160 x 220 x 60mm
	<b>318.6800/10G</b>	LH Rear Combination Lamp with Fog	Cable Entry	160 x 220 x 60mm
	<b>318.6800/3UK</b>	RH Rear Combination Lamp with Fog	Radex Connector	160 x 220 x 60mm
	<b>318.6800/11G</b>	RH Rear Combination Lamp with Fog	Cable Entry	160 x 220 x 60mm
	<b>318.6800/2S</b>	LH Lens		
	<b>318.6800/3S</b>	RH Lens		

	<b>318.Cable/11</b>	5 Core Cable 2 x 11m to one 7 Pin Plug		
	<b>318.Cable/7</b>	5 Core Cable 2 x 7 m to one 7 Pin Plug		
	<b>318.Cable/7WP</b>	6 Core Cable 2 x 7 m to one 13 Pin Plug and Water Proof Connector		
	<b>318.Cable4/5</b>	5 Core Cable 2 x 4.5m to one 7 Pin Plug		

## Lighting

### Part number

	<b>300.450</b>	4 Function Lamp, bulbs included (Replacement for all trailerboards shown)
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	<b>320.CRL12</b>	4 Function Lamp
	<b>320.CRL12L</b>	Lens

# Towing

## Accessories

### Part number

<b>307.750</b>	Tow Ball Boot
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<b>307.210</b>	Trailer Coupling Head
----------------	-----------------------

<b>307.700</b>	Tow Ball Cover (Black)
----------------	------------------------

<b>307.715</b>	50mm Towball (92/20 approved)
----------------	-------------------------------

<b>307.761</b>	Breakaway Cable
----------------	-----------------

<b>307.759</b>	Fast Fit Breakaway Cable
----------------	--------------------------

<b>307.1520</b>	Heavy Duty Tow Rope
-----------------	---------------------

<b>877.65297</b>	4000kg Capacity Tow Rope with Flag
------------------	------------------------------------

<b>875.WHCHOC</b>	Wheel Choc
<b>875.WHCHOC\COM</b>	Commercial Vehicle Choc

<b>307.240</b>	43mm Jockey Wheel Assembly
<b>307.245</b>	48mm Jockey Wheel Assembly

<b>307.1350</b>	Compact Emergency Triangle
<b>370.1300</b>	Emergency Triangle with Stand





## Tubing and Fittings

### Plastic Straight Speed Fit Air Couplings

Part number		Pk Qty
1020.2400/5	4mm	5
1020.2401/5	5mm	5
1020.2402/5	6mm	5
1020.2403/5	8mm	5
1020.2404/5	10mm	5
1020.2405/5	12mm	5
1020.2406/5	14mm	5
1020.2407/5	15mm	5
1020.2408/5	16mm	5

### Plastic T Speed Fit Air Couplings

Part number		Pk Qty
1020.2420	4mm "T" Fitting	1
1020.2421	5mm "T" Fitting	1
1020.2422	6mm "T" Fitting	1
1020.2423	8mm "T" Fitting	1
1020.2424	10mm "T" Fitting	1
1020.2425	12mm "T" Fitting	1

### Plastic Elbow Speed Fit Air Couplings

Part number		Pk Qty
1020.2432	4mm Elbow Fitting	1
1020.2433	5mm Elbow Fitting	1
1020.2434	6mm Elbow Fitting	1
1020.2435	8mm Elbow Fitting	1
1020.2436	10mm Elbow Fitting	1
1020.2437	12mm Elbow Fitting	1

### Metal Speed Couplings

Part number		Pk Qty
1020.6502/2	6mm Brass Push in Fittings	2
1020.6504/2	8mm Brass Push in Fittings	2
1020.6506/2	10mm Brass Push in Fittings	2
1020.6508/2	12mm Brass Push in Fittings	2

### Brass Metal Joiners

Part number		Pk Qty
1020.22094	4mm	1
1020.22105	5mm	1
1020.22116	6mm	1
1020.22128	8mm	1
1020.221410	10mm	1
1020.221512	12mm	1
1020.221915	15mm	1

### Heater, Coolant and Antifreeze Hose

Resistant up to 110 degree C. 132 psi (9 bar). SAE J20R3

Part number	
1015.7202/60	16mm id (5/8") 30m

### Rubber Petrol and Oil Tubing

Black fuel and oil resistant rubber. 120 psi (8 bar) not for unleaded petrol, not for fuel injection. BSAU 108/2

Part number	
1015.7209/10	6mm id (1/4") Rubber Petrol Hose 10m
1015.7213/10	8mm id (5/16") Rubber Petrol Hose 10m
1015.7213A/30	8mm id (5/16") Rubber Petrol Hose 30m

## Ventilators

### AIR2000

Part number	
1035.AIR2000	AIR2000

High Quality low noise rotatory ventilator.

Kit includes: Ventilator, Adaptor, Screws, Clips and Grille

Construction prevents entry of rain, dust and down-draughts. Air-scoop revolves on two steel bearings and will catch breeze even in stationary (exterior) locations. Quiet in operation with excellent rate of air-movement.

The rotary scoop drives extraction fan, sucking air from the inside of the vehicle compartment.

Moulded ABS with steel bearings and stainless steel centre shaft.

Vehicle Speed	Air Extraction		
	MPH	KPH	Cu. ft/min
20	12	0.75	26
40	25	1.72	61
60	38	2.55	90
80	50	3.45	122
100	62	4.27	151
120	75	4.70	167
140	87	5.10	180



### Flettner TCX-2™

Part number	
1035.TCXBLKNB	TXC Black - Narrow Base suitable for ribbed roofs
1035.TCXWHTNB	TXC White - Narrow Base suitable for ribbed roofs
1035.TCXADAPTER	1/2" - 6" adapter to enable the ventilator to bridge thicker roof cavities

The Flettner TCX-2™ represents the very latest generation of rotary ventilators and has been designed with one over-riding purpose in mind - to be the absolute best.

Flettner Ventilator Ltd has always designed ventilators that are extremely tough and thoroughly reliable. The new TCX-2™ is no exception, but it represents a step change increase in performance. The TCX-2™ has been designed using leading-edge computer modelling techniques.

No stone has been left unturned to maximise the efficiency and sheer torque it delivers. The result: a brand new rotary ventilator that extracts nearly twice as much air as the famous Flettner 2000 (source MIRA Ltd). Incorporating features that include an integral air concentrator and an ultra-efficient centrifugal fan the TCX-2™ is finely tuned for Torque Concentrated Extraction. As if that weren't enough the new TCX-2™ is also much simpler to fit than a conventional rotary ventilator. The reduced fitting time represents a substantial saving in labour costs compared with previous models.

Meticulous attention to every detail of quality and design are Flettner Ventilator's hallmarks. State-of-the-art manufacturing and rigorous quality management ensure that each and every TCX-2™ Ventilator is built to Flettner's exacting standards. The bearings are incredibly smooth-running and are made from high quality stainless steel. The polypropylene rotor head is tough and durable.

The new improved design represents a substantial saving in labour costs

Installation is simple, requiring only a single locking nut fixing and a 98mm vent aperture

Double the extraction of the Flettner 2000

The Flettner maxim has never been more true: 'Fit It and Forget It'

Wind MPH	Speed km/h	Extraction Figures	
		Cubic Ft per min	Cubic M per min
10	16	18	0.52
20	32	37	1.05
30	48	58	1.64
40	64	81	2.28
50	80	102	2.89
60	96	126	3.56
70	112	149	4.21

Exterior Cover Diameter - 260mm x 97.5mm  
Hole required - 98mm



## Ventilators

### Flettner 2000 Black

#### Part number

991.FR2000 Flettner 2000 Black

Known for its sheer reliability the Flettner '2000' is firmly established as the definitive wind-powered rotary ventilator. Used around the world the Flettner '2000' has proved itself to be tough, durable and utterly reliable. Capable of operating in extreme conditions this ventilator is built to last.

From vans to buses, from ambulances to 4x4s and from fishing vessels to glider trailers the Flettner '2000' provides round the clock ventilation with no battery drainage. That means less heat build up, less condensation and no build up of dangerous fumes.

Discreet, compact and extremely quiet, the Flettner '2000' is also an ideal roof ventilator for homes, especially where the removal of excess heat and condensation within attic spaces is required, or for situations where an electricity supply is not readily available.

Meticulous attention to detail and design are Flettner Ventilator's hallmarks.

Engineering expertise and rigorous quality management ensure that each and every Flettner '2000' ventilator is built to Flettner's exacting standards.

The bearings are incredibly smooth-running and are made of high quality stainless steel. The polypropylene rotor head is tough and durable. The Flettner maxim has never been more true: 'Fit It and Forget It'

The Flettner '2000': Simple, Economical and Effective

Don't Settle for Less than the Best - Always Fit A Flettner



Wind MPH	Extraction Figures		Air Extraction Rate	
	Speed km/h	Cubic Ft per min	Cubic M per min	
10	16	8	0.23	
20	32	19	0.54	
30	48	30	0.84	
40	64	41	1.16	
50	80	52	1.48	
60	96	63	1.79	
70	112	75	2.13	

Exterior Cover Diameter - 225.8mm x 105mm  
Hole required - 96mm



## 9500 PRODUCTS ONE PROMISE

Dun-Bri will price match any UK automotive lighting manufacturer\*

\*Conditions apply, ask for details



## Warning Lights

### 12v Warning Light with Chrome Bezel

Push fit into 12.0mm panel hole. Lucar terminals.

Part number	12v
Amber	210.039
Red	210.040
Green	210.042
Blue	210.043



### Warning Light

Push fit into 12.0mm panel hole. Lucar terminals.

Part number	12v	24v
Amber	210.041	210.068
Red	210.044	210.065R
Green	210.046	210.067
Blue	210.038	210.066



### LED Warning Light

Push fit into 8.0mm panel hole. Supplied with 30mm lead.

Part number	12v	24v
Amber	210.049	210.053
Red	210.048	210.052
Green	210.050	210.054
Red Flashing	210.051	210.055



### 12/24v Warning Light

Fits into 18mm round hole. Supplied with 12v BA9S 2W bulb.

Part number	
Amber	210.057
Red	210.059
Green	210.058
Blue	210.056



### 12/24v LED Warning Light

Push fit into 20mm panel hole. Lucar terminals.

Part number	
Amber	210.070
Red	210.071
Green	210.072
Blue	210.073



### LED Dot Warning Light

Push fit into 20mm panel hole.

Part number	12v	24v
Red	210.8878R/12v	210.8878R/24v
Blue	210.8878B/12v	210.8878B/24v



## Wiper Blades

### Standard Type

#### Part number

1210.UBH275	11" Car Blade
1210.UBH300	12" Car Blade
1210.UBH325	13" Car Blade
1210.UBH350	14" Car Blade
1210.UBH375	15" Car Blade
1210.UBH400	16" Car Blade
1210.UBH425	17" Car Blade
1210.UBH450	18" Car Blade
1210.UBH475	19" Car Blade
1210.UBH500	20" Car Blade
1210.UBH525	21" Car Blade
1210.UBH550	22" Car Blade
1210.UBH600	24" Car Blade



### Commercial Hook Type

#### Part number

1210.BH500	20" Commercial Blade
1210.BH550	22" Commercial Blade
1210.BH600	24" Commercial Blade
1210.BH650	26" Commercial Blade
1210.BH700	28" Commercial Blade
1210.BH750	30" Commercial Blade
1210.BH800	32" Commercial Blade



### Commercial Saddle Type

#### Part number

1210.BS500	20" Commercial Blade
1210.BS550	22" Commercial Blade
1210.BS600	24" Commercial Blade
1210.BS700	28" Commercial Blade
1210.BS750	30" Commercial Blade
1210.BS800	32" Commercial Blade



1210.9808827 Morvano 24"/600mm Wiper Blade with Wash Attachment

### Matador Coach Blade Range

#### Part number

1210.M975978	800mm Under Hook
1210.M975935	900mm Under Hook
1210.M975946	900mm Saddle
1210.M975947	1000mm Saddle
1210.M975948	1000mm Under Hook



## Workshop Accessories and Tools

### Part number

800.138	800g Multicoloured Stockinette
800.285	10Kg General Rags
800.140	Large Chamois Leather
800.140A	Synthetic Wash Leather
800.135	Large Sponge



### Rolls of Emery Cloth Tape 2"

#### Part number

800.115	40 grit Coarse 50m
800.117	80 grit Medium 50m
800.118	120 grit Fine 50m



### Emery Sheets

Blue twill sheets, 230 x 280mm

#### Part number

Pack of 25

800.110/25	40 grit Coarse
800.111/25	60 grit
800.112/25	80 grit Medium
800.113/25	120 grit
800.114/25	150 grit Fine



### Metal Cutting and Grinding discs

#### Part number

800.901/5	4" Metal Cutting Disc (100 x 16 x 2.5mm) (pk of 5)	Flat
877.41525/CWMF2	3" Metal Cutting Disc (75 x 10 x 1.6mm)	Flat
800.903B	4 1/2" Metal Cutting Disc (115 x 22 x 1mm)	Flat
800.903/5	4 1/2" Metal Cutting Discs (115 x 22 x 3mm) (pk of 5)	Flat
800.908/5	9" Metal Cutting Disc (230 x 22 x 3mm) (pk of 5)	Flat
800.909C	12" Metal Cutting Disc (353 x 25.4 x 2.8mm)	Flat
800.902/5	4" Metal Grinding Disc (100 x 16 x 6mm) (pk of 5)	Depressed Centre
800.904/5	4 1/2" Metal Grinding Disc (115 x 22 x 6mm) (pk of 5)	Depressed Centre



## Workshop Accessories and Tools



### Fibre Backed Sanding Discs 4 1/2"

115mm dia x 22mm hole

**Part number** Pack of 25

800.914/25 36 Grit  
800.915/25 60 Grit



### Flap Wheels

6mm Spindle mounted  
Aluminium oxide

**Part number** Pack of 3

800.929 40 Grit 40mm (Dia) x 30mm  
800.930 80 Grit 40mm (Dia) x 30mm



### 115mm Aluminium Oxide Flap Discs

Manufactured to BS EN 12413 Specification  
Ideal for grinding and finishing on ferrous or non-ferrous metals. 22.2mm bore.  
Long life compared to resin fibre discs

**Part number** Pack of 3

877.49434 Grade 40 115mm Aluminium Oxide Flap Discs  
877.49435 Grade 60 115mm Aluminium Oxide Flap Discs  
877.49436 Grade 80 115mm Aluminium Oxide Flap Discs

### High Performance Split Point Drills

**Part number**

800.170GSP 1.00mm HSS Bright  
800.171GSP 1.50mm HSS Bright  
800.172GSP 2.00mm HSS Bright  
800.173GSP 2.50mm HSS Bright  
800.174GSP 3.00mm HSS Bright  
800.175GSP 3.50mm HSS Bright  
800.176GSP 4.00mm HSS Bright  
800.177GSP 4.50mm HSS Bright  
800.178GSP 5.00mm HSS Bright  
800.179GSP 5.50mm HSS Bright  
800.180GSP 6.00mm HSS Bright  
800.181GSP 6.50mm HSS Bright  
800.182GSP 7.00mm HSS Bright  
800.183GSP 7.50mm HSS Bright  
800.184GSP 8.00mm HSS Bright  
800.185GSP 8.50mm HSS Bright  
800.186GSP 9.00mm HSS Bright  
800.187GSP 9.50mm HSS Bright  
800.188GSP 10.0mm HSS Bright  
800.189GSP 10.5mm HSS Bright  
800.190GSP 11.0mm HSS Bright  
800.191GSP 11.5mm HSS Bright  
800.192GSP 12.0mm HSS Bright  
800.194GSP 13.0mm HSS Bright  
  
800.205GSP 1/8 HSS Bright  
800.213GSP 1/4 HSS Bright

## Workshop Accessories and Tools

### General Use Paint Brushes

Part number		Pk Qty
800.051/5	1" 25mm Paint Brush	5
800.052/5	1 1/2" 38mm Paint Brush	5
800.053/5	2" 50mm Paint Brush	5
800.055/3	4" 100mm Paint Brush	3



**Part number**

800.058 4 Row Wire Brush



810.013 Standard Gun for 10" Cartridges



800.147 Large Snap off Blade Knife 18mm Blade  
800.147A Large Snap off Blade 18mm (Pk of 30)



877.66274 Auto Retracting Trimming Blade  
800.147C Heavy Duty Trim Blade



### Solder Wire

40% tin 60% lead BS441  
2% Fast Flow Flux  
1/2Kg coil

**Part number**

800.002 10 swg 3.5mm thick

800.003 16 swg 1.6mm thick

800.004 Stick Solder Grade C (approx) 1/4 Kg per stick



800.008 Soldering Flux 250gm



810.Butane 200ml Butane



## Workshop Accessories and Tools

### SuperPro125

Professional Gas Soldering Iron and Heat Tool.  
High Power Adjustable 25-130 Watts Equivalent  
Click to Ignite  
Cordless Butane Powered  
Built in Blow Torch  
Run Time 2hrs + Continuous Use  
Ready to Melt Solder Less Than 30 Seconds from Ignition



#### Part number

**812.SP1/4.8** SuperPro125 with 4.8mm Tip Only  
**812.SP1/2.4** SuperPro125 with 2.4mm Tip Only

**812.SP1K** SuperPro125 Kit  
Includes 4 Tips: Hot Air and Deflector for heatshrink, hot knife and 2.4mm df and 4.8mm df tips, accessories included are sponge and tray, kit box, stand and instructions.

### Spare Tips



**812.SPT01**  
Single Flat Tip



**812.SPT02**  
2.4mm Single Flat Tip



**812.SPT03**  
3.2mm Single Flat Tip



**812.SPT04**  
4.8mm Single Flat Tip



**812.SPT05**  
1.0mm Double Flat Tip



**812.SPT06**  
2.4mm Double Flat Tip



**812.SPT07**  
3.2mm Double Flat Tip



**812.SPT08**  
4.8mm Double Flat Tip



**812.SPT09**  
Hot Air Blower Tip



**812.SPT10**  
Hot Knife Tip



**812.SPT12**  
Hot Air Deflector

## Workshop Accessories and Tools

### ProPiezo75

Professional Gas Soldering Iron and Heat Tool.  
Medium Power Adjustable 15-75 Watts Equivalent  
Click to Ignite  
Cordless Butane Powered  
Built in Blow Torch  
Run Time 60 mins + Continuous Use  
Ready to Melt Solder Less Than 30 Seconds from Ignition  
ESD Safe Antistatic

#### Part number

**812.PP1** ProPiezo75

**812.PP1K** ProPiezo75 Kit  
Includes 4 Tips: Hot Air and Deflector for heatshrink, hot knife and 2.4mm df tip, accessories included are sponge and tray, kit box, stand and instructions.



### Technic

Medium Power Adjustable 10-60 Watts Equivalent  
Flint Ignition  
Cordless Butane Powered  
Flameless Combustion (solde and hot air modes)  
Run Time 60 mins + Continuous Use  
Ready to Melt Solder Less Than 30 Seconds from Ignition  
ESD Safe Antistatic

#### Part number

**812.MK1** Technic with 2.4mm Tip



### Torch 820

High Power Butane Torch Adjustable 50-820 Watts Equivalent  
Compact Lightweight (7oz)  
Adjustable Flame Length up to 90mm  
45min Continuous use at Mid-Setting  
Flame Temperature 2,462°F  
All-In-One On/Off Ignition Switch  
Safety Button

Applications: Soldering Joints, Plumbing and Brazing  
Heat Shrink Tubing, Paint Stripping  
Air Conditioning  
Fusing Rope Ends, Loosening Frozen or Rusted Nuts and Bolts  
Heating and Bending Thin Steel

#### Part number

**812.HP820** Torch 820



### Torch 220

Medium Power Butane Torch Adjustable 50-220 Watts Equivalent  
Compact Lightweight (7oz)  
Adjustable Flame Length up to 90mm  
45min Continuous use at Mid-Setting  
Flame Temperature 2,462°F  
All-In-One On/Off Ignition Switch  
Safety Button

Applications: Soldering Joints and Brazing  
Heat Shrink Tubing, Paint Stripping  
Fusing Rope Ends, Loosening Frozen or Rusted Nuts and Bolts  
Heating and Bending Thin Steel

#### Part number

**812.GT220** GT220



## Workshop Accessories and Tools

### Antifreeze Hydrometer

#### Part number

- 800.031** For ethylene-glycol solutions only. Integral thermometer and drum calculator enable correct % anti-freeze to be determined accurately over a wide temperature range  
Not suitable for methanol or propylene mixtures
- 877.61794** For testing ethylene-glycol coolant density.  
-5 - 40°C

### Battery Hydrometer

#### Part number

- 877.61792** For testing density of battery electrolyte.  
With glass tube, PVC bulb and spout.

#### Part number

- 800.033** Heavy Duty Battery Hydrometer designed for large automotive lead acid batteries.
- 800.035** Discharge tester for use on 6 and 12v lead acid batteries, up to 120amps hours, discharging them at 275 amps @ 8v. Legs adjust to most sizes of batteries.
- 800.141** General Laminated Triple Jaw Ratchet  
For insulated Terminals 0.25-6mm
- 800.141A** Triple Jay Ratchet Tool  
For 'F' Type Uninsulated Terminals
- 800.141B** Heavy Duty Indent Crimping Tool  
For Tube and Sheet Terminals 10-95mm
- 800.141D** Triple Ratchet Tool with Controlled Calibration  
Suitable for crimping insulated heatshrink terminals prior to application of heat gun. The compression ratio has no detrimental effect on the heatshrink insulation 0.25-6mm
- 800.141F** Heavy Duty Hand Ratchet Crimping Tool  
For Tabulated Cable Lugs 6-50mm
- 800.142** General Application Plier Type Crimping Tool  
For insulated and un-insulated terminals 0.25-6mm
- 800.143A** O' Clip Pliers, Side Crimping (Installs and Removes)

## Workshop Accessories and Tools

- 800.144** Wire Strippers  
For stripping PVC sheathed cable 0.25-6mm
- 800.145** Insulated Cutter Double Profile Blade  
For cutting copper cable up to max diameter of 20mm
- 800.145A** Insulated Cutter with Double Profile Blade  
For cutting copper cable up to max diameter of 10mm, will cut single copper or mild steel up to 25mm Sq cable
- 800.162** 300mm (12") Quick Change Soft grip Hacksaw Frame  
Supplied complete with 300mm HSS blade
- 800.163** 18 TPI 300mm (12") Hack Saw Blades
- 800.164** 24 TPI 300mm (12") Hack Saw Blades
- 877.51996** Junior Hacksaw with Powder Coated Frame
- 800.165** Junior Hacksaw Blade
- 800.700** Heavy Duty Builders Bucket (14 Litres Capacity)
- 800.701** 10 Litre Watering Can
- 800.702** 300mm (12") Rectangular Funnel with Stainless Steel Filter
- 800.703** 162mm (6½") Round Funnel  
Removable flexible spout  
Polyethethylene
- 800.704** 230mm (9") Round Funnel  
Anti Splash  
Removable flexible spout and filter
- 800.705** 500ml Oil Measure Jug
- 800.706** 1.5 Litres Oil Measure Jug
- 800.707** 5 Litres Oil Measure Jug

## Workshop Accessories and Tools



**800.708** Chemical Pump Sprayer  
Polyamid pump with viton seals  
Suits solvent based products  
Unsuitable for acetone based chemicals



**877.49951** 20L Red Fuel Can  
**877.49947** Red Spout

**877.49949** 20L Green Fuel Can  
**877.49946** Green Spout

**877.49948** 20L Black Fuel Can  
**877.49945** Black Spout



**877.43904** Fuel Syphon Pump (hand)  
Hand-operated syphon pump suitable for transferring diesel, petrol, water and other inert liquids. Syphon bulb with one-way valve and barbed connectors on each end suitable for 3/8" I/D plastic flexible pipe. Two 900mm long flexible plastic transparent pipes suitable and approved for use with petroleum-based fluids nominally 3/8" I/D x 2mm wall thickness with one metal spring clip each end. Polythene bag with header.



### Seat Covers

#### Part number

**800.149** 100 Clear Low Density Seat Covers  
**811.CSC1** Comma Seat Covers 100 Roll



### Floor Mats

#### Part number

**811.FLOORMA** Floor Mats (Packets of 100)



### Floor Paint

Hard Wearing. For workshops and factories. General Use

#### Part number

**800.046** 5 Litre Red Floor Paint  
**800.047** 6 Litre Grey Floor Paint

## Workshop Accessories and Tools

### 2000W 230V Hot Air Gun

Two heat settings (300°C and 600°C)  
Supplied complete with two nozzles, glass protection and reflector hook.

#### Part number

**877.76029** 2000W 230V Hot Air Gun



**877.78776** Heavy Duty Gas Torch

## Workshop Air Line

### Air Line Spares

#### Part number

**1010.3000** 1/4" BSP Female Standard Parallel Coupling 'Airflow'  
**1010.3001** 1/4" BSP Male Standard Taper Coupling 'Airflow'

**1010.3003** 1/4" BSP Female Parallel Coupling 'Vertex'  
**1010.3004** 1/4" BSP Male Taper Coupling 'Vertex'

**1010.3013/5** 1/4" BSP Male Standard and 'Vertex' Taper Coupling (Pk 5)

**1010.3014/5** 1/4" BSP Female Standard and 'Vertex' Taper Coupling (Pk 5)

**1010.3005** 1/4" 6.35mm Standard and 'Vertex' Adaptor/Tailpiece

**1010.3006** 5/16" 7.9mm Standard and 'Vertex' Adaptor/Tailpiece



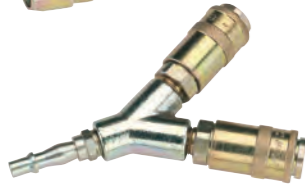
## Workshop Air Line



1010.3033 1/4" 6.35mm BSP Male Screwed Tailpiece



1010.3034 5/16" 7.9mm BSP Male Screwed Tailpiece



1010.3002 Twin Standard Coupling - 'Y' Piece



### Recoil Hoses

7.6m Nylon Recoil Air Hose

#### Part number

877.52662 1/4" BSP Male Threaded 7.6m Nylon Recoil Hose  
877.52663 3/8" BSP Male Threaded 7.6m Nylon Recoil Hose

### Heavy Duty Nylon Recoil Hoses

#### Part number

877.27742 11.5m 1/4" BSP Male Threaded Max Working Pressure 285 psi

877.27743 11.5m 3/4" BSP Male Threaded Max Working Pressure 285 psi

### Whip Hoses

#### Part number

877.54438 1/4" BSP Male Thread, Hose 7mm ID, 14mm OD  
877.54439 3/8" BSP Male Thread, Hose 10mm ID, 17mm OD

### Retractable Air Line Hose Reel

#### Part number

877.87907 9m of Air Line Hose Size 8 x 12mm  
1/4" BSP male thread hose connection Max pressure 1 Mpa

### Straight Air Line Hoses

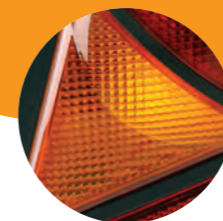
1/4" BSP Connection. Max pressure 1.6Mpa

#### Part number

877.36939 1/4" ID (6.35 x 14mm) 15.2m Working Length  
877.36941 3/8" ID (10 x 18mm) 15.2m Working Length  
1010.578/10m 5/16" ID 10m Working Length  
1010.543/15m 5/16" ID 15m Working Length

# Lighting

## Section 2





## Lamp Certification in Europe

### What is ECE E mark?

The E mark is the **Type Approval** granted to a lamp that meets a minimum set of regulatory, technical and safety requirements agreed by the European Union for use on public highways.

Items approved as meeting the ECE Regulation are marked with an **E** and a number, within in a circle. The number indicates which country approved the item, and other surrounding letters and digits indicate the precise version of the regulation met and the type approval number.

The UK Road Traffic Regulations state that Vehicle Lighting used on public Highways must display a recognised E approval from a Signatory to the 1958 ECE Regulations.

The following countries have E marks but are not signatories; Any lamps that display these E marks are not legal for use within the UK.

Japan	E43
Australia	E45
Republic of Korea	E51



## Front Lamps

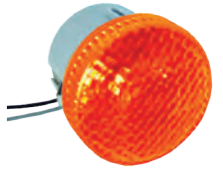
### Britax

Part number	Description	Connection	E Mark	Dimensions
305.L1101	12/24v Bulbed Indicator	Cable Entry	1250	112 x 112 x 57mm
305.L1200	Clear Position/Amber Indicator Lamp 300mm Fly Lead	Cable Entry	ECE	223 x 112 x 57mm
Spares 305.1250805 305.1250802	Clear Position Lens Amber Indicator Lens			



## Front Lamps

Part number	Description	Connection	E Mark	Dimensions
305.L1500	12/24v Front Clear Marker Lamp	500mm Fly Lead	ECE	75mm Dia x 12mm
305.L1501	12/24v Front/Rear Amber Indicator Lamp	500mm Fly Lead	ECE	75mm Dia x 65mm
Spares 305.1358500 305.1358502	Bulbholder L1501 Bulbholder L1500			
305.900600	12/24v Front Position/Amber Indicator Lamp	Cable Entry	99	186 x 66 x 55mm
Spares 305.1044500	Clear/Amber Lens			
305.900900	12/24v Front Position/Amber Indicator Lamp	Cable Entry	1179, 951	160 x 100 x 50mm
Spares 305.1040100	Clear/Amber Lens			
305.905800	RH Front Position/Amber Indicator Lamp Angled Rubber Mount	Cable Entry	99	199 x 145 x 85mm
305.905801	LH Front Position/Amber Indicator Lamp Angled Rubber Mount		99	199 x 145 x 85mm
Spares 305.1044500	Lens Cable Entry on both Lamps			
305.908700	Front Position/Amber Indicator Lamp	Cable Entry	780	105 x 97 x 52mm
Spares 305.1036700 305.16322.5	Clear/Amber Lens Screw Fix Kit			



### Dun-Bri

Part number	Description	Connection	E Mark	Dimensions
386.001	10-30v Front Indicator Lamp	Fly Lead	ECE	94.5 x 94.5 x 35.4mm
386.004	10-30v Front Position and Front Indicator Lamp	Fly Lead	6654	94.5 x 94.5 x 35.4mm



## Front Lamps

### Hella

Part number	Description	Connection	E Mark	Dimensions
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365.2BA005603001	24v Front Wrap Round Indicator Lamp	Cable Entry	42748	264 x 133mm
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365.2BA008221001	12/24v Front Indicator Lamp with Clear Lens	Cable Entry	878	55mm Dia x 87.5mm
365.2PF008221011	12/24v Clear Side Lamp	Cable Entry	879	55mm Dia x 87.5mm



365.2BE002776257	LH Front Clear/Amber Indicator Lamp	Cable Entry	63225	88 x 89 x 54mm
365.2BE002776261	RH Front Clear/Amber Indicator Lamp	Cable Entry	63225	88 x 89 x 54mm

<b>Spares</b>				
365.9EL134741021	LH Clear/Amber Lens			
365.9EL134742021	RH Clear/Amber Lens			



365.2BE003014251	12/24v Indicator & Clear Side Light	Cable Entry	42712, 53209	84 x 84 x 51mm
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<b>Spares</b>				
365.9EL115003055	Lens			



365.2BE003182091	LH Front Clear/Amber Indicator Lamp	Cable Entry	53270	95 x 85 x 54mm
365.2BE003182101	RH Front Clear/Amber Indicator Lamp	Cable Entry	53270	95 x 85 x 54mm

<b>Spares</b>				
365.9EL118614021	Clear/Amber Lens			



365.2BE343130001	12/24v Amber DI with Clear Side Light	Cable Entry	10202	134 x 105mm
365.2BA343130051	12/24v Amber Indicator Lamp	Cable Entry	6550	134 x 105mm



## Front Lamps

Part number	Description	Connection	E Mark	Dimensions
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365.2BE964169071	12/24v Clear Side/Amber Indicator Lamp	Cable Entry	9802	122.5mm Dia x 82.5mm
365.2BA964169011	12/24v Amber Indicator Lamp			

<b>Spares</b>				
365.9EL964533001	Amber Clear Lens with Screws	Cable Entry	0648	122.5mm Dia x 82.5mm
365.9EL964527001	Amber Lens with Screws			



365.2BE997131081	Amber Indicator and Clear Side Light	Cable Entry	7114, 6089	120 x 80 x 55mm
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<b>Spares</b>				
365.9EL997459001	Amber/Clear Lens			



### Jokon

Part number	Description	Connection	E Mark	Dimensions
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355.131038000/12v	12v LED Front Clear Lens Indicator Lamp	Fly Lead	06066	80 x 80 x 35mm
355.131038500/24v	24v LED Front Clear Lens Indicator Lamp	Fly Lead	06066	80 x 80 x 35mm



### Perei

Part number	Description	Connection	E Mark	Dimensions
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320.CFL100LED/12v	12v 95mm LED Front Clear Position / Indicator Lamp with Fly Lead	3 Way Super Seal	010871 020871	95mm Dia 57.6mm
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320.CFL100LED/24v	24v 95mm LED Front Clear Position / Indicator Lamp with Fly Lead	3 Way Super Seal	010871 020871	95mm Dia 57.6mm
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320.FD101SZZ/12v	9-33v LED Front Direction Indicator Lamp	Fly Lead	ECE	53.5mm Dia x 38mm
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320.OTRL/12V	12v LED Daytime Running Lights Clear Ring	Fly Lead	ECE	97mm Dia x 27.2mm
320.OTRL/24V	24v LED Daytime Running Lights Clear Ring	Fly Lead	ECE	97mm Dia x 27.2mm






334.017	24v LED Front Position, Front Direction Indicator and Reflex Lamp	500mm Fly Lead	ECE	278 x 45 x 25.5mm
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334.018	12v LED Front Position, Front Direction Indicator and Reflex Lamp	500mm Fly Lead	ECE	278 x 45 x 25.5mm
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## Front, Single and Combination Lamps

	Part number	Description	Connection	E Mark	Dimensions
	320.FL24LED12	12v LED Front Indicator Lamp	Fly Lead	011257	95mm Dia x 49.7mm
	320.FL24LED24	24v LED Front Indicator Lamp	Fly Lead	011257	95mm Dia x 49.7mm
	320.FL24LEDSS/12v	12v LED Front Indicator Lamp	2 Way Super Seal	011257	95mm Dia x 49.7mm
	320.FL24LEDSS/24v	24v LED Front Indicator Lamp	2 Way Super Seal	011257	95mm Dia x 49.7mm
	320.FL24LEDCLR/12v	12v LED Rear Indicator Lamp Clear Lens	Fly Lead	011257	95mm Dia x 49.7mm
	320.FL24LEDCLR/24v	24v LED Rear Indicator Lamp Clear Lens	Fly Lead	011257	95mm Dia x 49.7mm
	320.FL24	12/24v Amber Front Indicator Lamp with Straight Connector	2 Way Super Seal	01957	95mm Dia x 100mm
	320.FL24RA	12/24v Amber Front Indicator Lamp with Angled Connector	2 Way Super Seal	01957	95mm Dia x 100mm
	320.FL24OPT/12V	12v Opticulated Front Amber Indicator Lamp with Clear Lens	2 Way Super Seal	11283	94.4mm Dia x 90.25mm
	320.FL24OPT/24V	24v Opticulated Front Amber Indicator Lamp with Clear Lens	2 Way Super Seal	11283	94.4mm Dia x 90.25mm
	320.FL84FLED/12	12v LED Front Amber Indicator Lamp	Fly Lead	011288	84mm Dia x 49mm
	320.FL84FLED/24	24v LED Front Amber Indicator Lamp	Fly Lead	011288	84mm Dia x 49mm
	320.FL84FLEDCLR/12	12v LED Front Amber Indicator Lamp with Clear Lens	Fly Lead	011288	84mm Dia x 49mm
	320.FL84FLEDCLR/24	24v LED Front Amber Indicator Lamp with Clear Lens	Fly Lead	011288	84mm Dia x 49mm
	320.FL1200FLED/12v	12v LED Amber Indicator Lamp	Cable Entry	011292	136.8 x 114.2 x 99mm
	320.FL1200FLED/24v	24v LED Amber Indicator Lamp	Cable Entry	011292	136.8 x 114.2 x 99mm
	320.RL325/12v	12v/24v Front Amber Indicator Lamp (Land Rover) Comes with 12v Bulb	Cable Entry	016267	73mm Dia x 39mm

## Front, Single and Combination Lamps

### Rubbolite

Part number	Description	Connection	E Mark	Dimensions	
360.990108	Model 99 Direction Indicator	Cable Entry	6601	169 x 166mm	
Spares 361.4345 361.4610	Lens, Complete with Fixing Screws and Gaskets Bulbholder (single pole)				
360.130100 360.130101	RH Model 130 Direction Indicator LH Model 130 Direction Indicator	Cable Entry Cable Entry	6274 6274	135.5mm 135.5mm	
Spares 361.5006 361.5007	Lens - Right Hand (including Screws and Gasket) Lens - Left Hand (including Screws and Gasket)				
360.34002	Model 340 Direction Indicator, Position	Cable Entry	6791, 71003	134 x 92 x 54mm	
Spares 361.6263 361.6706	Lens Assembly Bulbholder/Light Blank Assembly				
360.8370202 360.8370204	12v Model 837 LED Direction Indicator 24v Model 837 LED Direction Indicator	Fly Lead Fly Lead	1252 1252	95 x 95 x 23mm 95 x 95 x 23mm	
Spares 361.88162	1 Function Bezel				
360.8380204	24v Model 838 LED Direction Indicator	Fly Lead	1261	120 x 120 x 86mm	
360.6260104	Model 626 24v LED Side Marker and Direction Indicator	Cable Entry	00437	136 x 68 x 34mm	
Spares 361.85405 361.7675	LED Unit 24 Volt for 6260104 Bezel				

## Daylight Running Lights



### BMAC

IP66. ABS Housing with Polycarbonate Lens  
Power consumption 8W

Part number	Description	Connection	E Mark	Dimensions
307.130	24v Daytime Running Lamp	400mm Fly Lead	ECE	90.6mm diameter



IP66  
ABS Housing with Polycarbonate Lens  
Power Consumption: DRL 7.5W, Indicator 4W, Position 1W

307.BL131	24v Combined Day-Time Running Lamp, Front Position Indicator Lamp	Fly Lead	ECE	95mm dia.
307.BL385SA	24v LED Front Position and Indicator	Fly Lead	ECE	122 dia. x 27mm
307.BL386AA	24v LED Front Indicator	Fly Lead	ECE	122 dia. x 27mm



### DL104 Daytime Running Lamp (DRL & POS)

334.042	10-30v DRL & Position Lamp	Fly Lead	ECE	30mm diameter
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## Headlamps



Part number	Description	Connection	E Mark	Dimensions
340.2A0741A393700	Intergrated Head Lamp with Pilot Function and Indicator		0290729 01626	154 x 208 x 128mm



340.2A0830A554500	24v Intergrated Head Lamp with Pilot Function and Indicator (6 pin Deutsch Connector)		12360	240 x 164 x 127mm
340.2A0830A571100	12v Intergrated Head Lamp with Pilot Function and Indicator (6 pin Deutsch Connector)			



120 H7 Dipped-beam, H3 Main Beam  
External Fit Headlamp with Side & Flasher Lamp, Base Mount

365.1LA993975117	LH Module	Deutsch 6 pole	9496	165 x 212 x 101mm
365.1LA993975121	RH Module		6495	
365.1LA993975037	LH Module	Amp 6 pole plug	6505	
365.1LA993975047	RH Module			

Spares  
365.1LA990185011 Headlight Unit  
365.9EL990186001 Front Flasher Lens  
365.9EL990186101 Rear Flasher Lens



365.1LA996074037	LH H7/H3 Headlight with Dip Beam Side Light and Flasher Light		9496	234.5 x 157.5 x 25.9mm
365.1LA996074047	RH H7/H3 Headlight with Dip Beam Side Light and Flasher Light		6495	234.5 x 157.5 x 25.9mm
365.1LA996074197	LH H7/H3 Headlight with Dip Beam and Flasher Light	Deutsch	9496	234.5 x 157.5 x 25.9mm
365.1LA996074207	RH H7/H3 Headlight with Dip Beam and Flasher Light	Deutsch	6495	234.5 x 157.5 x 25.9mm

## Headlamps

Part number	Function	Light Source	E Mark	Dimensions
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BMAC LED 90mm E approved Headlight  
Unique Duo-Lux LD and lens configuration creates a precise beam pattern with exact cut off and optimum road illumination

307.BHL115	Low Beam includes Adjuster and Driver	2 LED 23W 0.96A @ 24v	E4-112R-00 0013	95mm diameter
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307.BHL122	High Beam with Integral 4 LED Position Light includes Adjuster and Driver	1 LED 18W 0.75A @ 24v	E4-112R-00 0013	90mm diameter
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365.1KO008191047	FF-H7 driving-beam light without position light 24v		ECE	90mm diameter
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365.1KO008191027	FF-H7 driving-beam light with position light 24v		ECE	90mm diameter
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365.1BL008193017	DE-H7 Dipped-Beam Headlight with 12v Bulb		ECE	
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365.1BL007834047	DE-H1 Dipped-Beam Headlight without Position Light		ECE	100mm diameter
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365.1NO008582017	H7 Fog Light 24v Bulb		2431	90mm diameter
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## Headlamps

	Part number	Function	Light Source	E Mark	Dimensions
	365.1L3002850068	H4 Headlight with Sealing Cap in accordance with SAE Dimensions J 571	H4 Headlight with Position Light with T4W Bulb	ECE	135mm diameter
	365.1LG003434187	Built in Headlight Black Plastic Support Frame Mounting depth 117mm	H4 Light with Position Light	ECE	270 x 170mm
	365.1K3114155001	12/24v H1 Main Beam Headlight Unit		14464	53/4" diameter
	365.1M3114178001	12v H1 Dipped Beam Headlamp Unit		7076	53/4" diameter
	313.7100	12/24v Oval Headlamp Universal Mount		ECE	165 x 125 x 119.53mm
	307.BHL147	7" LED Headlight High/Low High Beam - High Power LED x 10 12v/24v Beam with Position Light UK Low Beam - High Power LED x 2 12v/24v		ECE	173.5mm Dia. x 110mm
	313.40487PC	Chrome 7" LED Headlight High/Low Beam with Position Light		ECE	176mm Dia. x 98mm deep
	313.40487C	Chrome 7" LED Headlight High/Low Beam		ECE	176mm Dia. x 98mm deep
	313.40487PB	Black 7" LED Headlight High/Low Beam with Position Light		ECE	176mm Dia. x 98mm deep
	313.40487B	Black 7" LED Headlight High/Low Beam		ECE	176mm Dia. x 98mm deep

2.9

## Front Markers

### Aspöck

Part number	Description	Connection	E Mark	Dimensions
327.011	24v LED Flatpoint Front Marker	0.5m Cable	5357	95 x 30 x 12mm
<b>Spares</b> 327.200	24v LED Flatpoint Front Marker Spare Lens Kit			
327.316904017	24v LED Flat Point Marker Lamp	Fly Lead	4319	101 x 44 x 10mm
321.026203 321.026003	12v LED Front Marker Lamp 24v LED Front Marker Lamp	500mm Fly Lead 500mm Fly Lead	12498 12498	252 x 22 x 18mm 252 x 22 x 18mm

### BMAC

Part number	Description	Connection	E Mark	Dimensions
307.BL501F	12/24v LED Front Marker Lamp	500mm Fly Lead	ECE	130 x 32 x 16.5mm
307.BM360F24	24v LED Front Marker Lamp	1.6m Fly Lead	ECE	100 x 40 x 24.3mm

### Britax

Part number	Description	Connection	E Mark	Dimensions
305.L1500	12/24v Front Clear Marker Lamp	500mm Fly Lead	ECE	75mm Dia x 12mm
<b>Spares</b> 305.1358502	Bulbholder			
305.L2202MV 305.L4102LDV	9-42v LED Front Marker 12/24v LED Side Marker Lamp	Fly Lead Fly Lead	8212	114.2 x 41.4 x 25.4mm 108 x 50 x 20mm
305.44901 305.44900	12/24v Front Marker with Horizontal Bracket 12/24v Clear Marker	Cable Entry Cable Entry	4089 4089	108 x 53 x 34mm 108 x 53 x 34mm
<b>Spares</b> 305.1046600 305.1526900	Clear Lens 90 Degree Bracket			

2.10

## Front Markers

Part number	Description	Connection	E Mark	Dimensions
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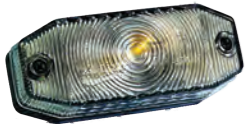
305.61300LB	12/24v Front Marker	Superseal	0530, 0615	80 x 45 x 12mm
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305.82101	12/24v Front Marker	Cable Entry	0015	102 x 41 x 13mm
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Spares 305.1041301	Clear Lens			
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305.82201	12/24v Front Marker Lamp	Cable Entry	0025	102 x 42 x 28mm
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Spares 305.1041201	Clear Lens			
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305.88100	12/24v Front Marker Lamp	Cable Entry	0025	74 x 30 x 28mm
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Spares 305.1043000	Clear Lens			
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### Hella

Part number	Description	Connection	E Mark	Dimensions
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365.2PG003057067	12/24v Front Marker with reflector & black base plate	Cable Entry	21629, 31315	62 x 62 x 46mm
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365.2PG003057011	12/24v Front Marker with reflector & white base plate	Cable Entry	21629, 31315	62 x 62 x 46mm
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Spares 365.9EL117334001	Clear Lens			
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365.2PG008645041	24v LED Front Marker with Reflector	500mm Fly Lead	1395, 1398	130 x 32 x 11mm
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365.2PG008645051	24v LED Front Marker with Reflector	5000mm Fly Lead	1395, 1398	130 x 32 x 11mm
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365.2PF962964061	24v Bulbed Front Marker with Clear Base Plate	Cable Entry	7499	126 x 38 x 11mm
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365.2PF962964071	24v Bulbed Front Marker with Clear Base Plate	Cable Entry	7499	126 x 38 x 11mm
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Spares 365.9GD963281001	Gasket (not supplied with)			
365.9GT963129001	Grommet (not supplied with)			

## Front Markers

Part number	Description	Connection	E Mark	Dimensions
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365.2PG963639401	24v LED Front Marker with White Base Plate	500mm Fly Lead	0002	111.3 x 51.3 x 20mm
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365.2PF959590401	12/24v LED Clear Marker	500mm Fly Lead	7597	79 x 25.9 x 27.5mm
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365.2PF959570401	12/24v LED Front Marker Lamp	500mm Fly Lead	7575	60 x 38 x 32mm
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365.2PG002727021	12/24v Front Marker with Reflector	Cable Entry	3152, 468, 468	120 x 58 x 32mm
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365.2PG964295017	12v Front Marker	Cable Entry	9806	101.6 x 45 x 40mm
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365.2PG964295121	12v LED Front Marker	5000mm Fly Lead	0301	101.6 x 45 x 40mm
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365.2PF006717011	12/24v Front Marker without Reflector	Cable Entry	803	110 x 40 x 25mm
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365.2PF001647031	Front Position with Clear Lens	Cable Entry	21693	100 x 38 x 26mm
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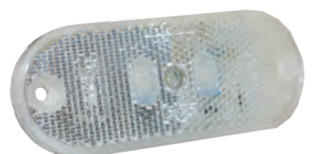


### Jokon

Part number	Description	Connection	E Mark	Dimensions
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355.111010100/12v	12v LED Front Marker	Fly Lead	20062	110 x 64 x 13mm
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355.111011150/24v	24v LED Front Marker	Fly Lead	20062	110 x 64 x 13mm
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## Front Markers

### Perei

Part number	Description	Connection	E Mark	Dimensions
 320.FM11/12v	12v LED Front Marker	Superseal	021323,	100.5 x 50.8 x 39.4mm
320.FM11/24v	24v LED Front Marker	Superseal	021324, 023567	100.5 x 50.8 x 39.4mm
<b>Spares</b> 320.SM18HB/1 320.SM18LVB	Horizontal Bracket Vertical Bracket			
 320.FM11A/12v	12v LED Front Marker	Fly Lead	021323,	119.7 x 63.3 x 21.2mm
320.FM11A/24v	24v LED Front Marker	Fly Lead	021324, 023567	119.7 x 63.3 x 21.2mm
<b>Spares</b> 320.SM18HB/1 320.SM18LVB	Horizontal Bracket Vertical Bracket			
 320.FM18/12v	12v LED Front Marker	Cable Entry	021323,	107.9 x 57.9 x 32.8mm
320.FM18/24v	24v LED Front Marker	Cable Entry	021324, 023567	107.9 x 57.9 x 32.8mm
<b>Spares</b> 320.SM18HB/1 320.SM18LVB	Horizontal Bracket Vertical Bracket			
 320.FM19/12	12v LED Front Marker	Fly Lead	021655	46mm Dia. x 26mm
320.FM19/24	24v LED Front Marker	Fly Lead	021655	46mm Dia. x 26mm
320.FM19SA/12v	12v LED Front Marker Self Adhesive	Fly Lead	021655	46mm Dia. x 26mm
320.FM19SA/24v	24v LED Front Marker Self Adhesive	Fly Lead	021655	46mm Dia. x 26mm
 320.FM50SS/1	9-33v LED Front Marker with Flush Bracket	Superseal	0629, 0050	123 x 44.6 x 25mm
320.FM50FL/1	9-33v LED Front Marker with Flush Bracket	Fly Lead	0629, 0050	123 x 44.6 x 25mm
 320.FM055SZZ/12v	12v LED Front Marker Lamp	Fly Lead	TBC	53.5mm Dia x 38mm
320.FM055SZZ/24v	24v LED Front Marker Lamp	Fly Lead	TBC	53.5mm Dia x 38mm
 320.FM60FL/1	9-33v LED Front Marker with Flush Bracket	Superseal	021668	70.84 x 41.84 x 24.4mm
320.FM60SS/1	9-33v LED Front Marker with Flush Bracket	Fly Lead	021668	70.84 x 41.84 x 24.4mm
 320.330	12v Front Position	Cable Entry	017271	73mm Dia. x 39mm
 334.028	10-30v LED Front Marker	500mm Fly Lead	ECE	154 x 48.5 20mm

2.13

## Front Markers

### Rubbolite

Part number	Description	Connection	E Mark	Dimensions
 360.220201	Model 22 Front Marker Lamp	Cable Entry	7R017619	114 x 93 x 70mm
<b>Spares</b> 361.1747 361.2597	White Lens Bulbholder			
 360.500101	Model 50 Front Marker with Bracket	Cable Entry	1198	46 Dia x 90mm
360.500410	Model 50 Front Marker without Bracket	Cable Entry	1198	46 Dia x 90mm
<b>Spares</b> 361.1231 361.1553 361.1269	Clear Lens Bulbholder (single pole) Bracket			
 360.510101	Model 51 Front Marker	Cable Entry	7474	56 Dia x 78mm
<b>Spares</b> 361.1758 361.1104	Clear lens Bulbholder			
 360.1100300	Model 110 Front End Outline Marker	Cable Entry	1362	88 x 40 x 30mm
<b>Spares</b> 361.82338 361.83023	Clear Lens Bulbholder			
 360.12201	Model 122 Front Marker	Cable Entry	1186 023335 (Reflector)	106 x 65 x 42mm
<b>Spares</b> 361.3988 361.7537 361.7675	Clear Lens Bulbholder Bezel			
 360.1290200	Model 129 Front Roof Marker	Cable Entry	7795	70 x 27 x 69mm
<b>Spares</b> 361.4476	Clear Lens			
 360.2400200	Model 240 Front Marker	Fly Lead	3239	67 Dia x 190h x 152mm base
<b>Spares</b> 361.3200 361.1104	Clear Lens Bulbholder			
 360.55001	Model 550 Front Marker	Cable Entry	1175	115 x 54.5 x 34mm

2.14

## Front Markers

### Rubbolite

Part number	Description	Connection	E Mark	Dimensions
360.55101	Model 551 Front Marker with Vertical Bracket	Cable Entry	1175	145 x 50 x 34mm
<b>Spares</b> 361.7535 361.7537 361.7653	Clear Lens Bulbholder Bezel for 550 Range			



360.5530104	Model 553 24v LED Front Marker	Cable Entry	1333	115 x 54.5 x 34mm
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360.5550100	Model 555 Front Marker	Fly Lead	1303	35 dia x 62.5mm
<b>Spares</b> 361.81800 361.7653 361.1269	Clear Lens Bezel Bracket			



360.5560104	Model 556 LED 12/24v Front Marker	Fly Lead	1329	35 dia x 62.5mm
<b>Spares</b> 361.84127 361.1269	Lens Bracket			



360.5950400	Model 595 Front Marker with Reflector	Fly Lead	0219	125 x 40 x 65mm
<b>Spares</b> 361.83126	Clear Lens with Reflex			



360.8500104	Model 850 LED Front Marker	Superseal	1729	67 x 37 x 15mm
360.8510104	Model 851 LED Front Marker	500mm Fly Lead	1729	67 x 37 x 15mm
360.8510105	Model 851 LED Front Marker	5m Fly Lead	1729	67 x 37 x 15mm



360.8560104	Model 856 Front Marker	Super Seal	1903	36 dia x 16mm
360.8570104	Model 857 Front Marker	500mm Fly Lead	1903	36 dia x 16mm



## Front Markers

Part number	Description	Connection	E Mark	Dimensions
360.8900104	Model 890 12/24v LED Front Marker	Super Seal	1729	124 x 38 x 15mm
360.8910104	Model 891 12/24v LED Front Marker	500mm Fly Lead	1729	124 x 38 x 15mm



360.THQ0100	24v LED Front Marker	2 Pin Connector	ECE	100 x 38 x 13mm
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## Rear Markers

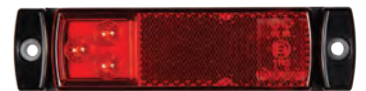
### Aspöck

Part number	Description	Connection	E Mark	Dimensions
327.40163022	24v LED Rear Marker	Straight Connector	ECE	93 x 28 x 12mm



### BMAC

Part number	Description	Connection	E Mark	Dimensions
307.BL501R	12/24v LED Rear Marker Lamp	500mm Fly Lead	ECE	130 x 32 x 16.5mm



307.BM360R24	24v LED Rear Marker Lamp	1.6m Fly Lead	ECE	100 x 40 x 24.3mm
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## 9500 PRODUCTS ONE PROMISE

Dun-Bri will price match any UK automotive lighting manufacturer\*

\*Conditions apply, ask for details








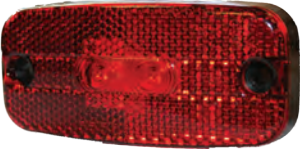




## Rear Markers

### Britax

Part number	Description	Connection	E Mark	Dimensions
 305.L1103	12/24v Rear Marker and Stop Lamp	150mm Fly Lead	00154, 1251	112 x 112 x 57mm
<b>Spares</b> 305.1250801	Rear Lens			
 305.L2203MV	9-42v LED Rear Marker	Fly Lead	6924	114.2 x 41.4 x 25.4mm
 305.L1502	12/24v Rear Marker	500mm Fly Lead	1733	75 dia x 12mm
<b>Spares</b> 305.1358502	Bulbholder			
 305.44904	12/24v Rear Marker	Cable Entry	4090	109 x 53 x 34mm
<b>Spares</b> 305.1046800 305.1526900	Rear Lens 90 Degree Bracket			
 305.61400LB	12/24v Rear Marker	Super Seal	0613, 9125	80 x 45 x 12mm
 305.82401	12/24v Rear Marker	Cable Entry	456, 0014	102 x 41 x 13mm
<b>Spares</b> 305.1041300	Rear Lens			
 305.82501	12/24v Rear Marker	Cable Entry	490, 0024	102 x 42 x 28mm
<b>Spares</b> 305.1041200	Rear Lens			
 305.88200	12/24v Rear Marker	Cable Entry	1183	74 x 30 x 28mm
<b>Spares</b> 305.104303	Rear Lens			

## Rear Markers

### Hella

Part number	Description	Connection	E Mark	Dimensions
 365.2TM008645081	12v LED Rear with Reflector	500mm Fly Lead	1395, 1398	130 x 32 x 11mm
365.2TM008645091	12v LED Rear with Reflector	5000mm Fly Lead	1395, 1398	130 x 32 x 11mm
365.2TM008645061	24v LED Rear with Reflector	500mm Fly Lead	1395, 1398	130 x 32 x 11mm
365.2TM008645071	24v LED Rear with Reflector	5000mm Fly Lead	1395, 1398	130 x 32 x 11mm
 365.2TM004361021	12/24v Red Lamp with Reflector Approved for ADR Vehicles	Cable Entry	3152, 466, 467	124 x 61.5 x 43mm
<b>Spares</b> 365.9EL114401041	Rear Lens			
 365.2SA962964091	24v Bulbed Rear Marker	Cable Entry	7507	126 x 38 x 11mm
<b>Spares</b> 365.9GD963281001 365.9GT963129001	Gasket (not supplied with lamp) Grommet (not supplied with lamp)			
 365.2TM963639307	12v LED Rear Marker	5000mm Fly Lead	9808	111.3 x 41.3 x 20mm
365.2TM963639317	24v LED Rear Marker	5000mm Fly Lead	9808	111.3 x 41.3 x 20mm
365.2PS963639061	12v LED Rear Marker with Bracket	500mm Fly Lead	9808	111.3 x 51.3 x 20mm
365.2PS963639077	24v LED Rear Marker with Bracket	500mm Fly Lead	9808	111.3 x 51.3 x 20mm
 365.2TM964295091	24v Rear Side Marker, Reflector, Gasket	5000mm Fly Lead	0302	101.6 x 45 x 12.5mm
365.2TM964295101	12v Rear Side Marker, Reflector, Gasket	5000mm Fly Lead	0302	101.6 x 45 x 12.5mm
 365.2XA959610401	12/24v LED Rear Marker Clear Lens	500mm Fly Lead	7597	79 x 25.9 x 27.5mm
365.2XA959610411	12/24v LED Rear Marker Clear Lens	5000mm Fly Lead	7597	79 x 25.9 x 27.5mm
 365.2SA006717001	12/24v Rear Marker	Cable Entry	804	110 x 40 x 25mm
 365.2SA006717001	12/24v Rear Marker	Cable Entry	804	110 x 40 x 25mm

## Rear Markers

### Jokon

Part number	Description	Connection	E Mark	Dimensions
355.13001200/12v	12v LED Rear Marker Lamp	Fly Lead	205019	65 x 16 x 17mm
355.130012500/12v	12v LED Rear Marker Lamp (clear lens lights up red)	Fly Lead	205019	65 x 16 x 17mm

### Perei

Part number	Description	Connection	E Mark	Dimensions
320.RM11/12v	12v LED Rear Marker	Super Seal	021323	100.5 x 50.8 x 39.4mm
320.RM11	24v LED Rear Marker	Super Seal	021323	100.5 x 50.8 x 39.4mm

Spares  
320.SM18HB/1 Horizontal Bracket  
320.SM18LVB Vertical Bracket

320.RM11A/12v	12v LED Rear Marker	Fly Lead	021323	119.7 x 63.3 x 21.2mm
320.RM11A	24v LED Rear Marker	Fly Lead	021323	119.7 x 63.3 x 21.2mm

Spares  
320.SM18HB/1 Horizontal Bracket  
320.SM18LVB Vertical Bracket

320.RM18/12v	12v LED Rear Marker	Cable Entry	1328, 1324	107.9 x 57.9 x 32.8mm
320.RM18/24v	24v LED Rear Marker	Cable Entry	1328, 1324	107.9 x 57.9 x 32.8mm

Spares  
320.SM18HB/1 Horizontal Bracket  
320.SM18LVB Vertical Bracket

320.RM19/12	12v LED Rear Marker	Fly Lead	021655	
320.RM19/24	24v LED Rear Marker	Fly Lead	021655	
320.RM19SA/12v	12v LED Rear Marker Self Adhesive	Fly Lead	021655	
320.RM19SA/24v	24v LED Rear Marker Self Adhesive	Fly Lead	021655	

320.RM50SS/1	9-33v LED Rear Marker with Flush Bracket	Super Seal	000050, 020629	123 x 44.6 x 25mm
320.RM50FL	9-33v LED Rear Marker with Flush Bracket	Fly Lead	000050, 020629	123 x 44.6 x 25mm

320.RM60FL/1	9-33v LED Rear Marker with Flush Bracket	Fly Lead	021669	70.84 x 41.84 x 24.4mm
320.RM60SS/1	9-33v LED Rear Marker with Flush Bracket	Super Seal	021669	70.84 x 41.84 x 24.4mm

334.029	10-30v LED Rear Marker	500mm Fly Lead	ECE	154 x 48.5 x 20mm
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## Rear Markers

### Rubbolite

Part number	Description	Connection	E Mark	Dimensions
360.220401	Model 22 Rear Auxiliary Marker	Cable Entry	ECE	114 x 93 x 70mm

Spares  
361.1748 Rear lens  
361.2597 Bulbholder

360.500202	Model 50 Rear Marker with Bracket	Cable Entry	1198	46 Dia x 90mm
360.500501	Model 50 Rear Marker without Bracket	Cable Entry	1198	46 Dia x 90mm

Spares  
361.1268 Rear Lens  
361.1553 Bulbholder (single pole)  
361.1269 Bracket

360.510201	Model 51 Rear Marker	Cable Entry	7474	56 Dia x 78mm
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Spares  
361.1757 Rear lens  
361.1104 Bulbholder

360.1100500	Model 110 Rear Marker	Cable Entry	1363	88 x 40 x 30mm
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Spares  
361.82337 Rear Lens  
361.83023 Bulbholder

360.12901	Model 129 Rear Roof Marker	Cable Entry	7795	70 x 27 x 69mm
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Spares  
361.4288 Rear Lens

360.5500200	Model 550 Rear Marker	Cable Entry	1175	115 x 54.5 x 34mm
360.5510200	Model 551 Rear Marker with Vertical Bracket	Cable Entry	1175	145 x 50 x 34mm

Spares  
361.7534 Rear Lens  
361.7537 Bulbholder  
361.7653 Bezel for 550 Range

360.5530204	Model 553 LED Rear Marker	Cable Entry	1907	115 x 54.5 x 34mm
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## Rear Markers

Part number	Description	Connection	E Mark	Dimensions
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360.5950200	Model 595 Rear Marker with Reflex	Fly Lead	0218	125 x 40 x 65mm
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Spares  
361.83025 Rear Lens with Reflex

360.8500204	Model 850 LED Rear Marker	Super Seal	1730	67 x 37 x 15mm
360.8510204	Model 851 LED Rear Marker	500mm Fly Lead	1730	67 x 37 x 15mm
360.8510205	Model 851 LED Rear Marker	500mm Fly Lead	1730	67 x 37 x 15mm

360.8560204	Model 857 LED Rear Marker	Super Seal	1904	36 dia x 16mm
360.8570204	Model 857 LED Rear Marker	500mm Fly Lead	1904	36 dia x 16mm

Spares  
361.1269 Bracket (MSO)  
361.88682 Bracket (SDC)

360.8900204	Model 890 12/24v LED Rear Marker	Super Seal	1730	124 x 38 x 15mm
360.8910204	Model 891 12/24v LED Rear Marker	500mm Fly Lead	1730	124 x 38 x 15mm

Spares  
361.88933 90 Degree Vertical Bracketed  
361.88934 Vertical Bracket

360.8930208	Model 893 12/24v LED Rear Marker	500mm Fly Lead	ECE	100 x 40 x 17mm
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360.THQ0200	24v LED Rear Marker	2 Pin Connector	ECE	100 x 38 x 13mm
360.THQ0250	24v LED Rear Marker with Bracket	2 Pin Connector	ECE	100 x 38 x 13mm

Spares  
360.THQ010 Bracket

## Side Markers

### Aspöck

Part number	Description	Connection	E Mark	Dimensions
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327.032	24v LED Flatpoint Side Marker with Bracket	500mm Cable	4034, 25247	95 x 30 x 12mm
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327.316614017	24v LED Flatpoint Side Marker	500mm Cable	4034, 25247	95 x 30 x 12mm
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327.043	24v LED Flatpoint Side Marker with Bracket	500mm Cable	4034, 25247	95 x 30 x 12mm
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Spares  
327.052 24v LED Flatpoint Side Marker Spare Lens Kit 4034, 25247

### BMAC

Part number	Description	Connection	E Mark	Dimensions
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307.BL501S	12/24v LED Side Marker Lamp	500mm Fly Lead	ECE	130 x 32 x 16.5mm
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307.BL362	24v LED Side Indicator Lamp	1.6m Fly Lead	ECE	100 x 40 x 24.3mm
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307.BL388SA	24v LED Side Indicator Lamp CAT 6 Approved	Fly Lead	ECE	140 x 80 x 39mm
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## Side Markers

### Britax

Part number	Description	Connection	E Mark	Dimensions
 305.L2200MV	9-42v LED Side Marker Lamp	Fly Lead	0572	114.2 x 41.4 x 25.4mm
 305.L2204MV	9-42v LED Side Marker Lamp Slim Line	Fly Lead	6931	114.2 x 41.4 x 25.4mm
 305.L4100LDV	12/24v LED Side Marker Lamp	Fly Lead	ECE	108 x 50 x 20mm
<b>Spares</b> 305.1237600	90 Degree Bracket			
 305.43401	12/24v Supplementary Side Indicator	Lucar	190711	106 x 47 x 41mm
 305.44903	12/24v Side Marker Lamp with Horizontal Bracket	Cable Entry	4089	108 x 53 x 34mm
 305.44902	12/24v Side Marker Lamp	Cable Entry	4093	109 x 53 x 34mm
<b>Spares</b> 305.1046700 305.1526900	Amber Lens 90 Degree Bracket			
 305.60500LB	12/24v Amber (bulbed) Side Marker Lamp	Super Seal	9668	80 x 45 x 12mm
 305.82301	12/24v Side Marker Lamp	Cable Entry	455	102 x 42 x 28mm
<b>Spares</b> 305.1041202	Amber Lens			

## Side Markers

### Hella



Part number	Description	Connection	E Mark	Dimensions
 365.2BM002652071	LH Auxillary Amber Indicator Lamp Thin Base (Merc)	Cable Entry	32785	60 x 90 x 55mm
 365.2BM002652081	RH Auxillary Amber Indicator Lamp Thin Base (Merc)	Cable Entry	32785	60 x 90 x 55mm
<b>Spares</b> 365.9EL127855001 365.9EL127856001	LH Lens RH Lens			
 365.2BM004312051	LH Auxillary Amber Indicator Lamp	Cable Entry	42669	87.5 x 76.5 x 54.5mm
 365.2BM004312061	RH Auxillary Amber Indicator Lamp	Cable Entry	42669	87.5 x 76.5 x 54.5mm
 365.2BM006692011	LH Auxillary Amber Indicator Lamp	Cable Entry	52621	140 x 51 x 47.5mm
 365.2BM006692021	RH Auxillary Amber Indicator Lamp	Cable Entry	52621	140 x 51 x 47.5mm
<b>Spares</b> 365.9EL134590001 365.9EL134660001	LH Lens RH Lens			
 365.2PS008645011	12v LED Side Marker with Reflector	1500mm Fly Lead	1395, 1398	130 x 32 x 11mm
 365.2PS008645001	24v LED Side Marker with Reflector	1500mm Fly Lead	1395, 1398	130 x 32 x 11mm
 365.2PS004361001	12/24v Side Marker with Reflector	Cable Entry	3152, 0002, 0003	124 x 61.5 x 43mm
<b>Spares</b> 365.9EL114401001	Amber Lens			
 365.2PS006717031	Amber Marker with Reflector	Cable Entry	86, 378	110 x 40 x 25mm
<b>Spares</b> 365.9EL141135031	Amber Lens			

## Side Markers


Part number	Description	Connection	E Mark	Dimensions
 365.2PS007943311	12v LED Side Marker Lamp with Reflector	Cable Entry	9417	150 x 45 x 21mm
365.2PS007943011	12v LED Side Marker Lamp with Reflector and Bracket	Cable Entry	9417	150 x 45 x 21mm
365.2PS007943321	24v LED Side Marker Lamp with Reflector	Cable Entry	9417	150 x 45 x 21mm
 365.2PS007943021	24v LED Side Marker Lamp with Reflector and Bracket	Cable Entry	9417	150 x 45 x 21mm
 365.2PS340001001	24v LED Side Marker with Bracket	2 Pin Connector	09605	111.3 x 51.3 x 22mm
 365.2PS340001011	24v LED Side Marker with Bracket	2 Pin Connector	09605	111.3 x 51.3 x 22mm
<b>Spares</b>				
365.9XX340222011	2 Pin Connector Kit			
 365.2PS962964012	24v Bulbed Side Marker with Clear Base Plate	Cable Entry	0004, 3153	126 x 38 x 11mm
<b>Spares</b>				
365.9GD963281001	Gasket (Not supplied with lamp)			
365.9GT963129001	Grommet (Not supplied with lamp)			
 365.2PS963639001	12v LED Side Marker with Reflector	500mm Fly Lead	9605	111.3 x 51.3 x 22mm
365.2PS963639011	24v LED Side Marker with Reflector	500mm Fly Lead	9605	111.3 x 51.3 x 20mm
 365.2PS963959001	12/24v Side Marker with Reflector	Cable Entry	9704	116 x 50 x 34.2mm
365.9EL963982001	Amber Lens			
 365.2PS964295001	12v Side Marker, Reflector, Gasket & Bulb	Cable Entry	9807	101.6 x 45 x 40mm
365.2PS964295061	12v LED Side Marker, Reflector & Gasket	2 x 500mm Fly Leads	0202	101.6 x 45 x 40mm
365.2PS964295051	24v LED Side Marker, Reflector & Gasket	2 x 500mm Fly Leads	0202	101.6 x 45 x 40mm
365.2PS964295071	24v LED Side Marker, Reflector without Gasket, self adhesive with covers for fixing poles	2 x 500mm Fly Leads	0202	101.6 x 45 x 40mm
 365.2PS006717031	12/24v Amber Marker Lamp with Reflector	Cable Entry	789, 378	110 x 40 x 25mm

2.25


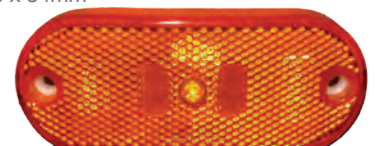
## Side Markers

Part number	Description	Connection	E Mark	Dimensions
365.2PS003748121	12/24V Side Marker Lamp with Reflector	Cable Entry	31410, 291	116 x 46 x 32mm
				
365.2PF961167021	24v Side Marker Lamp	Cable Entry	31446	100 x 40mm
				


## JW Speaker

Part number	Description	Connection	E Mark	Dimensions
313.150A	12-28v Side Marker	Fly Lead	1691	63.88 x 24.79 x 22.55mm
				

## Jokon

Part number	Description	Connection	E Mark	Dimensions
355.121015600/12v	12v Amber Marker Lamp	Fly Lead	05024	124 x 45 x 14mm
355.121015800/24v	24v Amber Marker Lamp	Fly Lead	5024	110 x 64 x 13mm
				
355.121008100/12v	12v LED Amber Marker Lamp	Fly Lead	20062	110 x 64 x 13mm
355.121011150/24v	24v LED Amber Marker Lamp	Fly Lead	20062	110 x 50 x 34mm
				

## Perei

Part number	Description	Connection	E Mark	Dimensions
320.SR1200LED/12V	12v LED Side Indicator	Cable Entry	1286	136.8 x 114.2 x 99mm
320.SR1200LED/24V	24v LED Side Indicator	Cable Entry	1286	136.8 x 114.2 x 99mm
				

2.26

## Side Markers

Part number	Description	Connection	E Mark	Dimensions
 <b>320.DI101SZZ</b>	9-33V LED Side Indicator (Amber Lens)	Super Seal	ECE	140 x 79 x 25mm
<b>320.DI102SZZ</b>	9-33V LED Side Indicator (Clear Lens) CAT 6 Approved	Super Seal	ECE	140 x 79 x 25mm
 <b>320.SM11/12V</b>	12v LED Side Marker Lamp	Super Seal	023567, 000023	100.5 x 50.8 x 39.4mm
<b>320.SM11</b>	24v LED Side Marker Lamp	Super Seal	023567, 000023	100.5 x 50.8 x 39.4mm
<b>Spares</b> <b>320.SM18HB/1</b> <b>320.SM18LVB</b>	Horizontal Bracket Vertical Bracket			
 <b>320.SM11A/12V</b>	12v LED Side Marker Lamp	Fly Lead	023567, 000023	119.7 x 63.3 x 21.2mm
<b>320.SM11A</b>	24v LED Side Marker Lamp	Fly Lead	023567, 000023	119.7 x 63.3 x 21.2mm
<b>Spares</b> <b>320.SM18HB/1</b> <b>320.SM18LVB</b>	Horizontal Bracket Vertical Bracket			
 <b>320.SM18/12V</b>	12v LED Amber Marker Lamp	Cable Entry	023567	107.9 x 57.9 x 32.8mm
<b>320.SM18/24V</b>	24v LED Amber Marker Lamp	Cable Entry	023567	107.9 x 57.9 x 32.8mm
<b>Spares</b> <b>320.SM18HB/1</b> <b>320.SM18LVB</b>	Horizontal Bracket Vertical Bracket			
<b>320.SM50SS/1</b>	9-33V LED Side Marker Lamp with Flush Bracket	Super Seal	000050, 020629	123 x 44.6 x 25mm
<b>320.SM50FL</b>	9-33V LED Side Marker Lamp with Flush Bracket	Fly Lead	000050, 020629	123 x 44.6 x 25mm
 <b>320.SM50HB</b>	9-33V LED Side Marker Lamp with Pendant Bracket	Super Seal	000050, 020629	123 x 44.6 x 25mm
<b>320.SM50FLHB/1</b>	9-33V LED Side Marker Lamp with Pendant Bracket	Fly Lead	000050, 020629	123 x 44.6 x 25mm
 <b>320.SM70SS/1</b>	24V LED Side Marker Lamp with Twin Superseal Connectors	2 x Super Seal	000491, 020491	150 x 45 x 39mm
<b>Spares</b> <b>320.SM70BKT/1</b>	Rubber Bracket			





## Side Markers

Part number	Description	Connection	E Mark	Dimensions
 <b>334.026</b>	10-30v LED Side Marker Flush Bracket	500mm Fly Lead	ECE	154 x 48.5 x 20mm
<b>334.030</b>	10-30v LED Side Marker / Side Repeater Flush Bracket	500mm Fly Lead	ECE	154 x 48.5 x 20mm
 <b>334.027</b>	10-30v LED Side Marker Extended Bracket	500mm Fly Lead	ECE	154 x 48.5 x 20mm
<b>334.031</b>	10-30v LED Side Marker / Side Extended Bracket	500mm Fly Lead	ECE	154 x 48.5 x 20mm
<b>Part number</b>	<b>Description</b>	<b>Connection</b>	<b>E Mark</b>	<b>Dimensions</b>
<b>360.220301</b>	Model 22 Amber Auxiliary Direction Indicator and Side Marker Lamp	Cable Entry	0004, 6404	114 x 93 x 70mm
<b>Spares</b> <b>361.1756</b> <b>361.2597</b>	Amber Lens Bulbholder			
<b>360.500301</b>	Model 50 Side Marker Lamp with Bracket	Cable Entry	1198	46 Dia x 90mm
<b>360.500601</b>	Model 50 Side Marker Lamp without Bracket	Cable Entry	1198	46 Dia x 90mm
<b>Spares</b> <b>361.1795</b> <b>361.1553</b> <b>361.1269</b>	Amber Lens Bulbholder (single pole) Bracket			
<b>360.550201</b>	Model 55 Side Marker Lamp with Amber Lens and Reflex Reflector	Cable Entry	0004,023338 (Reflector)	140 x 93 x 69mm
<b>Spares</b> <b>361.1756</b> <b>361.1728</b> <b>361.2597</b>	Amber Lens Reflex Reflector Bulbholder			
<b>360.10101</b>	Model 101 Side Indicator (Surface Mount)	Cable Entry	6553	78.5 x 29.5 x 28mm
<b>360.10201</b>	Model 101 Side Indicator (Flush Mount)	Cable Entry	6553	78.5 x 29.5 x 28mm
<b>Spares</b> <b>361.3490</b>				
<b>360.1100100</b>	Model 110 Side Marker Lamp and Side Direction Indicator	Cable Entry	0026	88 x 40 x 30mm
<b>Spares</b> <b>361.82336</b> <b>361.83023</b>	Amber Lens Bulbholder			
<b>360.2400300</b>	Model 240 Side Marker Lamp	Fly Lead	6407	68 Dia x 190h x 152mm base
<b>Spares</b> <b>361.5745</b> <b>361.1104</b>	Amber Lens Bulbholder			

## Side Markers

Part number	Description	Connection	E Mark	Dimensions
	360.33201 Model 332 Side Marker with Bezel	Cable Entry	0003	108 x 65 x 42mm
	360.33301 Model 333 Side Marker with Pendant Bracket	Cable Entry	0003	108 x 65 x 42mm
	360.33401 Model 334 Side Marker with Vertical Bracket	Cable Entry	0003	110 x 65 x 42mm
	360.33501 Model 335 Side Marker with Horizontal Bracket	Cable Entry	0003	111 x 65 x 42mm
<b>Spares</b> 361.6991 361.7537 361.6989 361.7123 361.7122 361.7675 361.7648	Amber Lens Lampholder Pendant Bracket Vertical Bracket Horizontal Bracket Bezel Bulbholder Kit			
	360.5500300 Model 550 Side Marker Lamp	Cable Entry	0011	115 x 54.5 x 34mm
	360.5510300 Model 551 Side Marker Lamp with Vertical Bracket	Cable Entry	0011	145 x 50 x 34mm
<b>Spares</b> 361.7546 361.7537 361.7653	Amber Lens Bulbholder Bezel for 550 Range			

## Side Markers

Part number	Description	Connection	E Mark	Dimensions
360.5900158	Model 590 Side Marker Lamp, MAN Service Replacement	Cable Entry	0013	65 x 65 x 29.5mm
360.5900160	Model 590 Side Marker Lamp, MAN Service Replacement	Cable Entry	0013	65 x 65 x 29.5mm
360.5900100	Model 590 Side Marker Lamp with Integral Reflex Reflector	Cable Entry	0013	65 x 65 x 29.5mm
360.590LED0304	Model 590 LED Side Marker Lamp with Integral Reflex Reflector	Cable Entry	0013	65 x 65 x 29.5mm
<b>Spares</b> 361.81401A 361.81013	Amber Lens Kit Bulbholder			
	360.5910100 Model 591 Side Marker Lamp, Reflector, Flexible Pendant Bracket	Cable Entry	0013	65 x 65 x 29.5mm
<b>Spares</b> 361.81401A	Amber Lens Kit			
	360.5940112 Model 594 LED Side Marker Lamp with Integral Reflex Reflector	Fly Lead	0325	120 x 45 x 10mm
	360.5950300 Model 595 Side Marker with Reflex	Fly Lead	0220	125 x 40 x 65mm
<b>Spares</b> 361.83024	Amber Lens with Reflex			
	360.5970100 Model 597 Four Function Side Marker Lamp	Cable Entry	0221	125 x 30 x 34mm
<b>Spares</b> 361.83679 361.83689	Amber Lens with Reflex Pendant Bracket Kit			

## Side Markers


Part number	Description	Connection	E Mark	Dimensions
 360.6100300	Model 610 Side Marker Lamp with Integral Reflex Reflector	Superseal	0002	103 x 55 x 13mm
<b>Spares</b> 361.82162 361.82714	Bulbholder Connector			
 360.6150300	Model 615 LED Side Marker Lamp with Integral Reflex Reflector	Scania Connector	0331	103 x 55 x 13mm
<b>Spares</b> 361.86976	Scania Mating Half Connector			
 360.6200104 360.620ADR0104	Model 620 24 Volt LED Side Marker Lamp Model 620 24 Volt LED Side Marker Lamp	Cable Entry Cable Entry	0013 0013	136 x 69 x 30mm 136 x 69 x 30mm
<b>Spares</b> 361.80211 361.7675 361.6989 361.7123 361.7122 361.83018 361.83584	24 Volt LED Unit Bezel Pendant Bracket Vertical Bracket Horizontal Bracket 46mm Beam Clamp 57mm Beam Clamp			
 360.6260104	Model 626 24v LED Side Marker and Direction Indicator	Cable Entry	00437	136 x 68 x 34mm
<b>Spares</b> 361.85405 361.7675	LED Unit 24 Volt for 6260104 Bezel			
 360.8900304 360.8910304	Model 890 12/24V LED Side Marker Model 891 12/24V LED Side Marker	Superseal 500mm Fly Lead	0046 0046	124 x 38 x 15mm 124 x 38 x 15mm
<b>Spares</b> 361.88933 361.88934	90° Vertical Bracket Vertical Bracket			
 360.8930308	Model 893 12/24v LED Side Marker	500mm Fly Lead	ECE	100 x 40 x 17mm
 360.THQ0350 360.THQ0300	12v LED Side Marker Lamp 24v LED Side Marker Lamp	2 Pin Connector 2 Pin Connector	ECE ECE	100 x 38 x 13mm 100 x 38 x 13mm
<b>Spares</b> 360.THQ010	Bracket			

2.31

## Side Markers



### Truck-Lite

#### Model 10


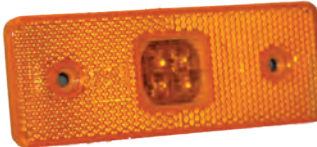
Part number	Description	Connection	E Mark	Dimensions
 370.10204R	24v LED Amber Side Marker	M/C Connector	Not E marked	64.5mm Dia x 18mm
370.10204Y	24v LED Red Rear Marker	M/C Connector	Not E marked	64.5mm Dia x 18mm
370.10205Y	24v LED Red Rear Marker with Reflex Reflector	M/C Connector	Not E marked	64.5mm Dia x 18mm
370.10208Y	12v Amber Bulb Side Marker	M/C Connector	Not E marked	64.5mm Dia x 18mm
<b>Spares</b> 370.10704 370.10728 370.94609	Grommet Grey Mount 250mm Plug and Lead			

This part is used on some recovery vehicles - SAE rated only.

#### Model 30

Part number	Description	Connection	E Mark	Dimensions
 370.30065Y	12/24 LED Side Marker	M/C Plug Connector	0014	51mm Dia x 51mm
 370.30065R	12/24 LED Rear Marker	M/C Plug Connector	1010	51mm Dia x 51mm

#### Model 35

Part number	Description	Connection	E Mark	Dimensions
 370.35007Y	12v LED Side Marker	M/C Plug Connector	0017	102 x 19.2 x 32mm
370.35009Y	24v LED Side Marker	M/C Plug Connector	0017	102 x 19.2 x 32mm
370.35894R	12/24v Rear Marker	M/C Plug Connector	ECE	102 x 19.2 x 32mm
 370.16699	24v LED Side Marker Lamp	500mm Fly Lead	1177	110 x 40 x 8mm

2.32



## Side Markers

### Vignal

Part number	Description	Connection	E Mark	Dimensions
355.193020	12/24v Side Marker Lamp	AMP JPT	4054	110 x 50 x 18mm
355.193170	12/24v Side Marker Lamp	Superseal	4054	110 x 50 x 18mm
355.198510	12/24v LED Side Marker Lamp	AMP JPT	8040	110 x 50 x 18mm
355.198520	12/24v LED Side Marker Lamp	AMP JPT	8040	110 x 50 x 18mm

355.193280	12/24v Side Marker Lamp with Horizontal Bracket	AMP JPT	4054	110 x 50 x 18mm
Spares 355.001716 355.001726	Black Horizontal Bracket White Bulb Holder			

355.198620	24v LED Side Marker	Volvo Connector	1295	102 x 54 x 13mm
Spares 305.K0700	Connector Harness			

355.119550	12/24v Side Marker (no bulb holder)	Cable Entry	5047, 7139	92 x 26 x 48mm
Spares 355.001616	Bulb Holder			

## ABS

### Perei

Part number	Description	Connection	E Mark	Dimensions
320.AM11/24v	24v LED Green ABS Warning Lamp	Super Seal	Not Required	100.5 x 50.8 x 39.4mm



320.AM11A/24v	24v LED Green ABS Warning Lamp	Fly Lead	Not Required	119.7 x 63.3 x 21.2mm
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320.AM18/24v	24v LED Green ABS Warning Lamp	Cable Entry	Not Required	107.9 x 57.9 x 32.8mm
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320.AM60W	9-33v LED Green ABS Warning Lamp with Flush Bracket	Fly Lead	Not Required	70.84 x 41.84 x 24.4mm
320.AM60SS/1	9-33v LED Green ABS Warning Lamp with Flush Bracket	Super Seal		70.84 x 41.84 x 24.4mm



### Rubbolite

Part number	Description	Connection	E Mark	Dimensions
360.500901	Model 50 Green ABS Monitor Lamp without Bracket	Cable Entry	1198	46 Dia x 90mm

Spares 361.2540 361.1553 361.1269	Green Lens Bulbholder (single pole) Bracket			
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360.510301	Model 51 Green ABS Monitor Lamp	Cable Entry	ECE	56 Dia x 78mm
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Spares 361.5414 361.1104	Green Lens Bulbholder			
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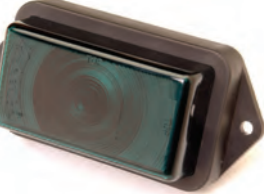



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Free two year product warranty  
available on most products\*

\*Excludes bulbs, tubes & chemicals. Warranty starts from invoice date.  
Other terms & conditions apply. Ask for details.



## ABS

	Part number	Description	Connection	E Mark	Dimensions
	360.1100700	Model 110 Green ABS Monitor Lamp	Cable Entry	ECE	88 x 40 x 30mm
	<b>Spares</b> 361.82339 361.83023	Green Lens Bulbholder			
	360.5500800	Model 550 Green ABS Monitor Lamp	Cable Entry	ECE	115 x 54.5 x 34mm
	360.5550800	Model 555 ABS Monitor Lamp	Fly Lead	1303	35 Dia x 62.5mm
	<b>Spares</b> 361.81801 361.7653 361.1269	Green Lens for Model 555 Bezel Bracket			
	360.8500804 360.8510804	Model 850 ABS LED Green Marker Lamp Model 851 ABS LED Green Marker Lamp	Superseal 500mm Fly Lead	ECE ECE	67 x 37 x 16mm 67 x 37 x 16mm
	360.8570810	Model 857 Green ABS Warning Light	500mm Fly Lead	ECE	37 Dia x 16mm

## Rear Lamps

### Aspöck

Part number	Description	Connection	E Mark	Dimensions
327.001	LH 24v Stop/Tail Indicator, Reverse, Reflector & Fog	7 Pin Connector	5497	420 x 148 x 85mm
327.002	RH 24v Stop/Tail Indicator, Reverse, Reflector & Fog	7 Pin Connector	5497	420 x 148 x 85mm
<b>Spares</b> 327.003	Europoint II Lens			



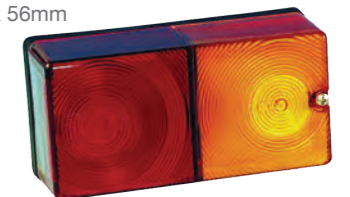
## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
327.004	LH 24v Stop/Tail Indicator, Reverse, Reflector & Fog	7 Pin Connector	5226	465 x 139 x 85mm
327.005	RH 24v Stop/Tail Indicator, Reverse, Reflector & Fog	7 Pin Connector	5226	465 x 139 x 85mm
327.006	LH 24v Stop/Tail Indicator, Reverse, Reflector & Fog with Outline Marker	7 Pin Connector	5226	465 x 139 x 85mm
327.007	RH 24v Stop/Tail Indicator, Reverse, Reflector & Fog with Outline Marker	7 Pin Connector	5226	465 x 139 x 85mm
<b>Spares</b> 327.008	Lens			
327.009	LH 24v Stop/Tail Indicator, Reverse, Reflector & Fog	7 Pin Connector	5167	421 x 145 x 75mm
327.010	RH 24v Stop/Tail Indicator, Reverse, Reflector & Fog	7 Pin Connector	5167	421 x 145 x 75mm
<b>Spares</b> 320.60003	Lens			



### Britax

Part number	Description	Connection	E Mark	Dimensions
305.900350	12/24v Rear Stop/Tail and Indicator	Cable Entry	767, 959	160 x 80 x 56mm
305.900250/12v	12/24v Rear Stop/Tail Indicator with Reflector and Number Plate (horizontal mounting only and sold with 12v bulb)	Cable Entry	767, 959	160 x 80 x 56mm
<b>Spares</b> 305.1035100	Amber Red and Clear Lens			
305.900400	12/24v Red Stop/Tail Indicator with Reflector	Cable Entry	0100	186 x 66 x 55mm
<b>Spares</b> 305.1045700	Amber Red Lens			
305.900800	12/24v Stop/Tail Indicator	Cable Entry	01904, 1111	160 x 100 x 50mm
<b>Spares</b> 305.1040000	Amber Red Lens			



## Rear Lamps



Part number	Description	Connection	E Mark	Dimensions
305.902000	12/24v Rear Stop/Tail Indicator with Reflector and Number Plate	Cable Entry	7176, 3297	165 x 83 x 49mm
305.902100	12/24v Rear Stop/Tail Indicator with Reflector	Cable Entry	7176, 3294	165 x 83 x 49mm
<b>Spares</b>				
305.10103	Amber Red and Clear Lens for 902000			
305.10104	Amber Red and Clear Lens for 901000			

305.904100	12/24v Rear Stop Indicator and Number Plate	Cable Entry	91099	414 x 132 x 68mm
305.904106	12/24v Rear Stop Indicator Number Plate and Reflector	Cable Entry	91098	414 x 132 x 68mm
<b>Spares</b>				
305.18519	Amber Red Clear Lens for 904100			
305.18530	Amber Red Clear Lens for 904106			



305.904900	LH 12/24v Rear Stop/Tail Indicator Reverse with Reflector	Cable Entry	47364	303 x 130 x 82mm
305.904901	RH 12/24v Rear Stop/Tail Indicator Fog with Reflector	Cable Entry	53312	303 x 130 x 82mm
<b>Spares</b>				
305.1035500	Amber Red Clear Lens for 904900			
305.1035501	Amber Red Clear Lens for 904901			



305.905900	RH 12/24v Rear Stop/Tail Indicator with Reflector	Cable Entry	0100	199 x 85 x 85mm
305.905901	LH 12/24v Rear Stop/Tail Indicator with Reflector	Cable Entry	0100	199 x 85 x 85mm
<b>Spares</b>				
305.1045700	Amber Red Lens			



305.906600	RH 12/24v Rear Stop/Tail Indicator Fog and Reverse with Reflector	Cable Entry	48804	380 x 145 x 84mm
305.906601	LH 12/24v Rear Stop/Tail Indicator Fog and Reverse with Reflector	Cable Entry	48804	380 x 145 x 84mm
<b>Spares</b>				
305.1045800	Amber Red Clear Lens for 906600			
305.1045801	Amber Red Clear Lens for 906601			



305.906700	RH 12/24v Rear Stop/Tail Indicator Fog with Reflector	Cable Entry	47364	303 x 130 x 82mm
305.906701	LH 12/24v Rear Stop/Tail Indicator Reverse with Reflector	Cable Entry	47364	303 x 130 x 82mm
<b>Spares</b>				
305.1045900	Amber Red Lens for 906600			
305.1045901	Amber Red Clear Lens for 906701			



## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
305.908800	12/24v Stop/Tail Indicator with Number Plate	Cable Entry	781, 975	105 x 97 x 52mm
305.908900	12/24v Stop/Tail Indicator without Number Plate	Cable Entry	781, 975	105 x 97 x 52mm
<b>Spares</b>				
305.1036600	Amber Red and Clear Lens for 908800			
305.1036500	Amber Red and Clear Lens for 908900			



305.L0100	12/24v Stop/Tail Indicator Reverse Reflex Refl. and Fog	Cable Entry	5351	390 x 165 x 79mm
<b>Spares</b>				
305.1854200	Lens			



305.L1106LDV	12/24v LED Rear Fog Lamp	Fly Lead	ECE	112 x 112 x 67mm
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305.L1101LDV	12/24v LED Front or Rear Indicator Lamp	Fly Lead	ECE	112 x 112 x 67mm
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305.L1103LDV	12/24v LED Rear Stop/Tail Lamp	Fly Lead	ECE	112 x 112 x 67mm
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305.L1105LDV	12/24v LED Rear Reverse Lamp	Fly Lead	ECE	112 x 112 x 67mm
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305.1216L12V	12v LED Rear Fog and Incandescent Bulb Reverse	Fly Lead	000150, 0217	223 x 112 x 67mm
305.1216L24V	24v LED Rear Fog and Incandescent Bulb Reverse	Fly Lead	000150, 0217	223 x 112 x 67mm



305.L1201LDV	12/24v LED Rear Stop/Tail and Indicator	Fly Lead	ECE	223 x 112 x 67mm
305.L1205LDV	12/24v LED Rear Stop/Tail and Reverse	Fly Lead	ECE	223 x 112 x 67mm



## Rear Lamps







	Part number	Description	Connection	E Mark	Dimensions
	305.L1301LDV	12/24v LED Stop/Tail Indicator and Reverse	Fly Lead	ECE	334 x 112 x 67mm
	305.L1300LDV	12/24v LED Stop/Tail Indicator and Fog	Fly Lead	ECE	334 x 112 x 67mm
	305.L14108	24v RH LED Stop/Tail Indicator and Fog	Fly Lead	ECE	424 x 140 x 75mm
	305.L14109	24v LH LED Stop/Tail Indicator and Reverse	Fly Lead	ECE	424 x 140 x 75mm
	305.L1501	12/24v Front/Rear Indicator	Fly Lead	ECE	75 Dia x 12mm
	305.L1502	12/24v Rear Position	Fly Lead	1733	75 Dia x 12mm
305.L1503	12/24v Stop/Tail	Fly Lead	75 Dia x 12mm		
305.L1504	12/24v Rear Stop	Fly Lead	75 Dia x 12mm		
	<b>Spares</b>				
	305.1358502	Bulbholder Rear Position			
	305.1358501	Bulbholder Stop/Tail			
	305.1358500	Bulbholder Stop			
	305.L2103MV	9-42v Red Rear Fog Lamp	Fly Lead	903	179 x 102 x 31mm
	305.L2102MV	9-42v Reverse Lamp	Fly Lead	570	179 x 102 x 31mm
	305.L2510L12V	12v LED Stop/Tail Indicator, Fog and Incandescent Bulb Reverse	Top Entry Socket	ECE	165 x 390 x 76mm
	305.L2510L24V	24v Stop/Tail Indicator, Fog and Incandescent Bulb Reverse	Top Entry Socket	ECE	165 x 390 x 76mm
	305.L2520L12V	12v LED Stop/Tail Indicator, Fog and Incandescent Bulb Reverse	500mm Fly Lead	ECE	165 x 390 x 76mm
	305.L2520L24V	24v LED Stop/Tail Indicator, Fog and Incandescent Bulb Reverse	500mm Fly Lead	ECE	165 x 390 x 76mm
	305.L7800LDV	12/24v LED Stop/Tail Indicator, Fog and Reverse with Reflect Reflector	Fly Lead	ECE	345 x 126.5 x 30mm
	305.L7801LDV	12/24v LED Stop/Tail Indicator, Fog and Reverse with Reflect Reflector & Side Marker	Fly Lead	ECE	345 x 126.5 x 30mm

## Rear Lamps

### Dun-Bri

Part number	Description	Connection	E Mark	Dimensions	
300.187	12/24v Stop/Tail Lamp	Cable Entry	00014	227 x 132.5mm	
300.185	12/24v Fog Lamp	Cable Entry	00016	229 x 132.5mm	
300.180	12/24v Direction Indicator Lamp	Cable Entry	00006	228 x 132.5mm	
300.184	12/24v Reversing Lamp	Cable Entry	00015	230 x 132.5mm	
300.085	12/24v Stop Lamp	Cable Entry	180	138 x 115mm	
300.084	12/24v Tail Lamp	Cable Entry	179	138 x 115mm	
300.086	12/24v Fog Lamp	Cable Entry	182	138 x 115mm	
300.087	12/24v Direction Indicator Lamp	Cable Entry	178	138 x 115mm	
300.088	12/24v Reversing Lamp	Cable Entry	177	138 x 115mm	
300.080	12/24v Stop/Tail Lamp	Cable Entry	9609	136mm Dia x 83mm	
300.081	12/24v Fog Lamp	Cable Entry	3911	136mm Dia x 83mm	
300.082	12/24v Direction Indicator Lamp	Cable Entry	9615	136mm Dia x 83mm	
300.083	12/24v Reversing Lamp	Cable Entry	9606	136mm Dia x 83mm	







## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
 300.310075	LH Indicator Stop/Tail, Fog with Number Plate	Cable Entry	5136	439 x 145 x 82mm
 300.310076	RH Indicator Stop/Tail, Reverse with Number Plate	Cable Entry	5186	439 x 145 x 82mm
 307.450	4 Function Lamp 12v, Bulbs included (Replacement for all trailer boards shown)	Cable Entry	50789, 50678	240 x 155 x 55mm
Spares 307.450L	Lens			
316.0211150025	LH Movano Rear Lamp Lens with Reverse		52308, 30931, 0311	303 x 130 x 20mm
316.0211160025	RH Movano Rear Lamp Lens with Fog		52308, 30931, 0311	303 x 130 x 20mm
 324.32	LH Stop/Tail Triangle, Fog Reverse Lamp	Cable Entry	5330	439 x 145 x 82mm
324.33	RH Stop/Tail Triangle, Fog Reverse Lamp	Cable Entry	5330	439 x 145 x 82mm
Spares 324.7 324.8	LH Lens RH Lens			
 390.354	LH MAN 7 Function Lamp with Number Plate	Cable Entry	2957	336 x 135 x 74mm
390.355	RH MAN 7 Function Lamp without Number Plate	Cable Entry	2957	336 x 135 x 74mm
Spares 300.399086	Lens			
 390.350	Universal Stop/Tail Indicator, Fog and Reverse	Cable Entry	ECE	406 x 135 x 74mm
Spares 390.351	Lens	Cable Entry	ECE	406 x 135 x 74mm



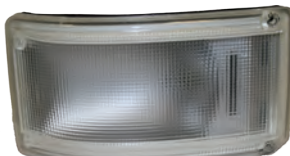
## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
 307.BL381RS	24v LED Rear Fog and Reverse	Fly Lead	ECE	122 dia x 27mm
 307.BL384RR	24v LED Rear Stop/Tail	Fly Lead	ECE	122 dia x 27mm
 307.BL389SS	24v LED Rear Reverse	Fly Lead	ECE	122 dia x 27mm
 307.BL382AA	24v LED Rear Indicator	Fly Lead	ECE	122 dia x 27mm
 307.BL383RA	24v LED Stop/Tail and Indicator	Fly Lead	ECE	122 dia x 27mm
 307.BL3817E	24v LED Rear Fog	Fly Lead	ECE	122 dia x 27mm
 386.000	10-30v Stop/Tail Lamp	Fly Lead	6636	94.5 x 94.5 x 35.4mm
 386.003	10-30v Fog Lamp	Fly Lead	1158	94.5 x 94.5 x 35.4mm
 386.002	10-30v Stop/Tail & Indicator Lamp	Fly Lead	6650	94.5 x 94.5 x 35.4mm
 386.005	10-30v LED Reverse Lamp	Fly Lead	1151	94.5 x 94.5 x 35.4mm










## Rear Lamps

	Part number	Description	Connection	E Mark	Dimensions
	386.100	24v Stop/Tail Lamp	Fly Lead	ECE	122 x 122 x 35.4mm
	386.103	24v Fog Lamp	Fly Lead	ECE	122 x 122 x 35.4mm
	386.102 386.102C	24v Stop/Tail & Indicator Lamp 24v Stop/Tail & Indicator Lamp Clear Lens	Fly Lead Fly Lead	ECE ECE	122 x 122 x 35.4mm 122 x 122 x 35.4mm
	386.105	24v LED Reverse Lamp	Fly Lead	ECE	122 x 122 x 35.4mm
	586.106	24v LED Fog & Reverse Lamp	Fly Lead	ECE	122 x 122 x 35.4mm
	386.101	24v LED Indicator Lamp	Fly Lead	ECE	122 x 122 x 35.4mm

## Hella

	Part number	Description	Connection	E Mark	Dimensions
	365.2BA008260001	24v LED Amber Indicator for Rear Loading Platforms (Tail Lifts)		6516	107.6 x 75.8 x 14.5mm
	365.2NE005603071 365.2SA005603021	12/24v Wrap Around Red Rear Fog 12/24v Wrap Around Rear Light	Cable Entry Cable Entry	31422 31423	264 x 158 x 133mm 264 x 158 x 133mm
	365.2ZR005603061	12/24v Wrap Around Reverse	Cable Entry	8770	264 x 158 x 133mm

## Rear Lamps

	Part number	Description	Connection	E Mark	Dimensions
	365.2XA008221021 365.2NE008221031	12/24v (5w) or Stop/Tail (21w) 12/24v Rear Fog	Cable Entry Cable Entry	1048, 1049 1050	55mm Dia x 87.5mm 55mm Dia x 87.5mm
	365.2ZR008221051	12/24v Rear Reverse with Grey Lens	Cable Entry	1052	55mm Dia x 87.5mm
	365.2SA008405017 365.2SA008405021 365.2SB008405091 365.2SB008405101	24v LED Rear Light Ring with 12 1.8w LED's 12v LED Rear Light Ring with 12 1.8w LED's 24v LED Rear Stop Light with 12 1.8w LED's 12v LED Rear Stop Light with 12 1.8w LED's	Fly Lead Fly Lead Fly Lead Fly Lead	1197 1197 1892 1892	98mm Dia 98mm Dia 98mm Dia 98mm Dia
	365.2SD343130011	12/24v Agroluna Stop/Tail Indicator with Grommet	Cable Entry	10203	140.4 x 98.4 x 75.1mm
	365.2SB343130027	12/24v Agroluna Red Rear Stop with Grommet	Cable Entry	10203	140.4 x 98.4 x 75.1mm
	365.2NE343130031	12/24v Agroluna Red Rear Fog	Cable Entry	3919	140.4 x 98.4 x 75.1mm
	365.2ZR343130041	12/24v Agroluna Reverse with Grommet	Cable Entry	23257	140.4 x 98.4 x 75.1mm
	365.2SD964169411 365.2SD964169401	LH 24v LED Stop/Tail Lamp RH 24v LED Stop/Tail Lamp	500mm 500mm	814 814	122.5 Dia x 52.5mm 122.5 Dia x 52.5mm
	365.2SB964169301	24v LED Rear Stop Lamp	500mm	814	122.5 Dia x 52.5mm
	365.2NE964169341	24v LED Rear Fog Lamp	500mm	3810	122.5 Dia x 52.5mm
	365.2ZR964169351 365.2ZR964169361	24v LH LED Reverse Light 24v RH LED Reverse Light	500mm 500mm	23254 23254	122.5 Dia x 52.5mm 122.5 Dia x 52.5mm

## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
365.2SD001685211	12/24v Rear Stop Indicator	Cable Entry	7146	140mm Dia x 92mm
390.352	12/24v Rear Stop Indicator	Cable Entry	7146	140mm Dia x 92mm

Spares  
365.9EL113324001 Lens to Suit

365.114	12/24v Red Rear Fog Lamp	Cable Entry	087008	140mm Dia x 92mm
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365.2ZR001423001	12/24v Reverse	Cable Entry	8704	140mm Dia x 92mm
365.115	12/24v Reverse	Cable Entry	8704	140mm Dia x 92mm

365.2SD964169111	12/24v Stop/Tail and Indicator Lamp	Cable Entry	9903	122.5 Dia x 82.5mm
365.2BA964169041	12/24v Rear Fog and Indicator	Cable Entry	9807	122.5 Dia x 82.5mm
365.2SW964169081	12/24v Rear Position and Indicator	Cable Entry	9803	122.5 Dia x 82.5mm

Spares  
365.9EL964536001 Stop/Tail Lens  
365.9EL964530001 Fog/Indicator Lens  
365.9EL964534001 Rear Position/Indicator Lens

365.2NE964169021	12/24v Red Rear Fog	Cable Entry	3808	122.5 Dia x 82.5mm
365.2TA964169061	12/24v Red Stop Light with Reflector	Cable Entry	9805	122.5 Dia x 82.5mm

Spares  
365.9EL964528001 Rear Fog  
365.9EL964532001 Stop Lens

365.2ZR964169031	12/24v Reverse	Cable Entry	2311	122.5 Dia x 82.5mm
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Spares  
365.9EL964529001 Reverse Lens

## Commercial Vehicle Lighting

## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
365.2SB959821601	9-33v LED Stop Tail	2500mm Lead	10208	130mm Dia x 30mm
365.2NE959821201	9-33v LED Rear Fog with Clear Lens	2500mm Lead	10208	130mm Dia x 30mm

365.2ZR959820601	9-33v LED White Lens Reverse	2500mm Lead	10208	130mm Dia x 30mm
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365.2SA003057021	Rear Light without Reflector	Cable Entry	11584	62 x 62 x 40mm
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365.2TM003057031	Rear Light with Reflector	Cable Entry	11583, 31315	62 x 62 x 40mm
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365.2SW003014131	12/24v Stop/Tail Indicator	Cable Entry	31452, 53211	84 x 84 x 51mm
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Spares  
365.9EL115003011 Lens

365.2SA003236041	12/24v Rear Position Lamp Black Plastic Body	Cable Entry	11591	117 x 139 x 63mm
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365.2NE003236001	12/24v Red Rear Fog	Cable Entry	18411	117 x 139 x 63mm
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365.2ZR003236057	12/24v Reverse	Cable Entry	8728	117 x 139 x 63mm
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## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
 365.2SD001680271	12/24v LH Stop/Tail Indicator	Cable Entry	53335, 31482, 43322	201 x 76 x 71mm
365.2SD001680281	12/24v RH Stop/Tail Indicator	Cable Entry	53335, 31482, 43322	201 x 76 x 71mm
<b>Spares</b>				
365.9EL107368001	Lens to Suit 2SD001680271			
365.9EL111647001	Lens to Suit 2SD001680281			
 365.2SD997131051	12/24v Stop/Tail Indicator	Cable Entry	7114, 6089	120 x 80 x 55mm
<b>Spares</b>				
365.9EL997469001	Lens			
 365.2SD002582011	12/24v LH Rear Stop Indicator	Cable Entry	53345, 116	170 x 75 x 62mm
365.2SD002582021	12/24v RH Rear Stop Indicator	Cable Entry	53345, 116	170 x 75 x 62mm
<b>Spares</b>				
365.9EL112743001	LH Lens			
365.9EL112741001	RH Lens			
 365.2SD002776231	12/24v LH Rear Stop Indicator	Cable Entry	63230, 273	88 x 89 x 54mm
365.2SD002776241	12/24v RH Rear Stop Indicator	Cable Entry	63230, 273	88 x 89 x 54mm
<b>Spares</b>				
365.9EL137307001	LH Lens			
365.9EL137308001	RH Lens			
 365.2SD003182051	12/24v LH Rear Stop Indicator	Cable Entry	31445, 53257	95 x 85 x 54mm
365.2SD003182061	12/24v RH Rear Stop Indicator	Cable Entry	31445, 53257	95 x 85 x 54mm
<b>Spares</b>				
365.9EL118614011	Lens			
 365.2SD003167011	LH Rear Stop and Indicator (Mercedes)	Cable Entry	53250, 264	344 x 147 x 72mm
365.2SD003167021	RH Rear Stop and Indicator	Cable Entry	53250, 264	344 x 147 x 72mm
<b>Spares</b>				
365.9EL118613001	Lens			
 365.2SD003184031	LH Rear Stop Indicator	Cable Entry	53253, 130	158 x 64 x 51mm
365.2SD003184041	RH Rear Stop Indicator	Cable Entry	53253, 130	158 x 64 x 51mm
<b>Spares</b>				
365.9EL118700001	LH Lens			
365.9EL118701001	RH Lens			

## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
 365.2SD996030021	12v RH Stop/Tail Indicator with Reflector without Number Plate	Cable Entry	27133, 4054	155 x 140 x 110mm
365.2SD996030011	12v LH Stop/Tail Indicator with Reflector with Number Plate	Cable Entry	27133, 4055	156 x 140 x 110mm
<b>Spares</b>				
365.9EL990142001	Lens			
 365.2SL005883031	12/24v LH Stop/Tail, DI, Fog, Reverse and Reflex Ref. Combination	Cable Entry	1305, 3848, 4026, 1247, 23167	430 x 125 x 90mm
365.2SL005883041	12/24v RH Stop/Tail, DI, Fog, Reverse and Reflex Ref. Combination	Cable Entry	1305, 3848, 4026, 1247, 23167	430 x 125 x 90mm
 365.2VA998531031	12/24v, Rear Stop Indicator and Reflector	Cable Entry	7111, 6081, 3024	170 x 75 x 64mm
 365.2VB004887011	12/24v LH Rear, Stop, Tail, DI, Fog, Reverse and Number Plate Combination	Cable Entry	53384	425 x 110 x 82mm
365.2VP004887031	12/24v LH Rear, Stop, Tail, DI, Fog and Reverse Combination	Cable Entry	53884	425 x 110 x 82mm
365.2VP004887021	12/24v RH Rear, Stop, Tail, DI, Fog, Reverse and Reflex Ref. Combination	Cable Entry	53884	425 x 110 x 82mm
 365.2VP003567111	12/24v LH Rear Reflector Stop Indicator Fog and Reverse	Cable Entry	21, 397, 4377, 23215, 3880	343 x 133 x 75mm
365.2VP003567121	12/24v RH Rear Reflector Stop Indicator Fog and Reverse	Cable Entry	21, 397, 4377, 23215, 3880	343 x 133 x 75mm
 365.2VA341419011	12v LH Caraluna II Caravan Rear Lamp with Triangle with Fog	Cable Entry	9836	505.5 x 176.5mm
365.2VP341419031	12v RH Caraluna II Caravan Rear Lamp with Triangle with Reverse	Cable Entry	9836	505.5 x 176.5mm
 365.2VP343590017	12v LH Caraluna II Plus Caravan Rear Lamp with Triangle with Fog and Reverse	Cable Entry	9836	505.5 x 176.5mm
365.2VP343590027	12v RH Caraluna II Plus Caravan Rear Lamp with Triangle with Fog and Reverse	Cable Entry	9836	505.5 x 176.5mm



## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
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365.2VP340830031	24v LH Tail-Reflex Ref., Stop/Tail, Fog and Reverse with Side Marker	Cable Entry	10219, 10218, 10211	370 x 130 x 85mm
365.2VP340830021	24v RH Tail-Reflex Ref., Stop/Tail, Fog and Reverse with Side Marker	Cable Entry	10219, 10218, 10211	370 x 130 x 85mm



365.2VP340931011	24v LH Tail-Reflex Ref., Stop/Tail, Fog and Reverse	Screwed Cable Glands	10219, 10218, 10211	370 x 130 x 85mm
365.2VP340931001	24v RH Tail-Reflex Ref., Stop/Tail, Fog and Reverse	Screwed Cable Glands	10219, 10218, 10211	370 x 130 x 85mm



365.2VP340888001	24v LH Tail-Reflex Ref., Stop/Tail, Fog and Reverse (Rigids)	Cable Entry	10219, 10218, 10211	370 x 130 x 85mm
365.2VP340888011	24v RH Tail-Reflex Ref., Stop/Tail, Fog and Reverse (Rigids)	Cable Entry	10219, 10218, 10211	370 x 130 x 85mm



365.2VP340950011	24v LH LED Reflector, Stop/Tail Indicator and Reverse	500mm EasyCon Connector	2376	403.2 x 145 x 51mm
365.2VP340950021	24v RH LED Reflector, Stop/Tail Indicator and Reverse	500mm EasyCon Connector	2376	403.2 x 145 x 51mm
365.2VP340950051	24v LH and RH Reflector, Stop/Tail Indicator and Reverse	1550mm Blade Terminals	2376	403.2 x 145 x 51mm



365.2VP340942001	24v LH Rear Reflector, LED Stop/Tail Indicator, Bulbed Fog and Reverse	EasyCon Connector	11779	370 x 130 x 88mm
365.2VP340942011	24v RH Rear Reflector, LED Stop/Tail Indicator, Bulbed Fog and Reverse	EasyCon Connector	11779	370 x 130 x 88mm



## Rear Lamps

### JW Speaker

Part number	Description	Connection	E Mark	Dimensions
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313.223	12/24v LED Stop/Tail and Indicator	Deutsch Connector	020058, 023092, 00051	127 x 127 x 27.5mm
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313.224	12/24v LED Reverse Lamp	Deutsch Connector	1267	127 x 127 x 27.5mm
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313.283/12v	12/24v LED Stop/Tail and Indicator	Fly Lead	1086	215.9 x 49.28 x 27.94mm
313.283/24v	12/24v LED Stop/Tail and Indicator	Fly Lead	1086	215.9 x 49.28 x 27.94mm



### Jokon

Part number	Description	Connection	E Mark	Dimensions
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355.102002001	LH Indicator Stop/Tail, No Plate and Fog Light	500mm Fly Lead	54481, 54482	124 x 38.7 x 32mm
355.102002041	RH Indicator Stop/Tail, No Plate and Fog Light	500mm Fly Lead	54481, 54482	124 x 38.7 x 32mm

Spares  
355.190028001 Red Amber Lens



355.133028500/12v	12v LED Rear Fog with 500mm Fly Lead	Fly Lead	06063	80 x 80 x 35mm
355.133029500/24v	24v LED Rear Fog with 500mm Fly Lead	Fly Lead	06063	80 x 80 x 35mm



355.136026000/12v	12v LED Reverse Lamp	500mm Fly Lead	6064	80 x 80 x 34mm
355.136027000/24v	24v LED Reverse Lamp	500mm Fly Lead	6064	80 x 80 x 34mm



## Rear Lamps

### Perei

Part number	Description	Connection	E Mark	Dimensions
 320.335	12/24v Stop/Tail Lamp (Supplied with 12v Bulb)	3 Way Econoseal	1189	73mm Dia x 39mm
 320.RL320	12/24v Direction Indicator Lamp (Supplied with 12v Bulb)	2 Way Econoseal	ECE	73mm Dia x 39mm
 320.330	12/24v Reverse Lamp (Supplied with 12v Bulb)	2 Way Econoseal	7271	73mm Dia x 39mm
Spares 570.2ECONOSEAL 570.3ECONOSEAL	2 Way Econoseal 3 Way Econoseal			
 320.RF178	12/24v Rear Red Fog Lamp	Cable Entry	0030	120 x 80 x 55.5mm
 320.RL80	12/24v Reverse Lamp	Cable Entry	23R07	120 x 80 x 55.5mm
 320.CRL12	12v Stop/Tail Indicator Number Plate	Cable Entry	204960, 104960	100 x 100 x 46mm
Spares 320.CRL12L	Lens		4243	
 320.CRL100LED/12v	12v 95mm LED Clear Position / Indicator Lamp with Fly Lead	3 Way Super Seal	010871, 020871	95mm Dia 57.6mm
320.CRL100LED/24v	24v 95mm LED Clear Position / Indicator Lamp with Fly Lead	3 Way Super Seal	010871, 020871	95mm Dia 57.6mm

2.51

## Commercial Vehicle Lighting

## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
320.CRL300A 320.CRL300B	LH 12/24v Stop/Tail Indicator and Number Plate Lamp RH 12/24v Stop/Tail Indicator and Number Plate Lamp	Fly Lead Fly Lead	43490167 43490167	200 x 92 x 60mm 200 x 92 x 60mm
320.CRL300C	12/24v Stop/Tail Indicator Lamp	Fly Lead	43490167	200 x 92 x 60mm
320.CRL300D	12/24v Stop/Tail Indicator Lamp	Deutsch Connector	43490167	200 x 92 x 60mm
Spares 300.70100	Lens to Suit			
320.CRL300LED/12V 320.CRL300LED/24V	12v LED Stop/Tail Indicator Lamp 12v LED Stop/Tail Indicator Lamp	Fly Lead Fly Lead	ECE ECE	200 x 92 x 60mm 200 x 92 x 60mm
320.CRL300DLED/12 320.CRL300DLED/24	12v LED Stop/Tail Indicator Lamp 12v LED Stop/Tail Indicator Lamp	Deutsch Connector Deutsch Connector	ECE ECE	200 x 92 x 60mm 200 x 92 x 60mm
320.CRL700/12V	12v LED Stop/Tail Indicator Lamp	200mm Fly Lead	020853 ST010853	122mm Dia x 7 4.9mm
320.CRL700/24V	24v LED Stop/Tail Indicator Lamp	200mm Fly Lead	020853 ST010853	122mm Dia x 7 4.9mm
320.RFRV700/12V 320.RFRV700/24V 320.RFRV700VV	12v LED Rear Fog and Reverse Lamp 24v LED Rear Fog and Reverse Lamp 9-33v LED Rear Fog and Reverse Lamp	200mm Fly Lead 200mm Fly Lead 200mm Fly Lead	0852 0852 0852	122mm Dia x 7 4.9mm 122mm Dia x 7 4.9mm 122mm Dia x 7 4.9mm
320.RF700/12V 320.RF700/24V 320.RF700VV	12v LED Rear Fog Lamp 24v LED Rear Fog Lamp 9-33v LED Rear Fog Lamp	200mm Fly Lead 200mm Fly Lead 200mm Fly Lead	0221 0221 0221	122mm Dia x 7 4.9mm 122mm Dia x 7 4.9mm 122mm Dia x 7 4.9mm
320.RV700/12V 320.RV700/24V 320.RV700LEDVV	12v LED Reverse Lamp 24v LED Reverse Lamp 9-33v LED Reverse Lamp)	200mm Fly Lead 200mm Fly Lead 200mm Fly Lead	ECE ECE ECE	122mm Dia x 7 4.9mm 122mm Dia x 7 4.9mm 122mm Dia x 7 4.9mm
320.MODUPOD06/12v 320.MODUPOD05/12v	12v RH LED Stop/Tail Indicator Fog and Reverse 12v LH LED Stop/Tail Indicator Fog and Reverse	Modupod Connector Modupod Connector	ECE ECE	418.49 x 112.49 x 70mm 418.49 x 112.49 x 70mm
320.MODUPOD06/24v 320.MODUPOD05/24v	24v RH LED Stop/Tail Indicator Fog and Reverse 24v LH LED Stop/Tail Indicator Fog and Reverse	Modupod Connector Modupod Connector	ECE ECE	418.49 x 112.49 x 70mm 418.49 x 112.49 x 70mm
Spares 320.MODULEAD	1 Metre Cable (one end to lamp connector bear end on other)			



2.52

## Rear Lamps

## Rear Lamps



Part number	Description	Connection	E Mark	Dimensions
320.CRL80012V	12v LED Stop/Tail Indicator Lamp	Cable Entry	020432, 010432	140mm Dia x 81.8mm
320.CRL800	24v LED Stop/Tail Indicator Lamp	Cable Entry	020432, 010432	140mm Dia x 81.8mm
320.CRL800/MV	9-33v LED Stop/Tail Indicator Lamp	Cable Entry	020432, 010432	140mm Dia x 81.8mm
320.CRL800HH	24v LED Stop/Tail Indicator Lamp High Heat Suitable for Buses	Cable Entry	020432, 010432	140mm Dia x 81.8mm
320.CRL800SS/24v	24v LED Stop/Tail Indicator Lamp with 2 Super Seal Connectors	Superseal	020432, 010432	140mm Dia x 81.8mm
320.SL800LED/12V	12v LED Red Stop Lamp	Cable Entry		140mm Dia x 81.8mm
320.SL800LED	24v LED Red Stop Lamp	Cable Entry		140mm Dia x 81.8mm
320.FL800/12V	12v LED Rear Fog Lamp	Cable Entry	000151	140mm Dia x 81.8mm
320.FL800	24v LED Rear Fog Lamp	Cable Entry	000151	140mm Dia x 81.8mm
320.FL800SS/24v	24v LED Rear Fog Lamp with Super Seal	Cable Entry	000151	140mm Dia x 81.8mm
320.RV800/12V	12v LED Reverse Lamp	Cable Entry	220	140mm Dia x 81.8mm
320.RV800LED	24v LED Reverse Lamp	Cable Entry	220	140mm Dia x 81.8mm
320.RV800SS/24v	24v LED Reverse Lamp	Superseal	220	140mm Dia x 81.8mm
320.CRL888	3 Way ABS Housing (lamps not included)	Cable Entry		452.40 x 167.40 x 65mm
320.FL25OPT/12v	12v Opticulated Rear Amber Indicator Lamp	2 Way Packard	11283	94.4mm Dia 90.25mm
320.FL25OPT/24v	24v Opticulated Rear Amber Indicator Lamp	2 Way Packard	11283	94.4mm Dia 90.25mm
320.SL9OPT/12v	12v Opticulated Stop/Tail Lamp	3 Way Packard	1736	94.4mm Dia 90.25mm
320.SL9OPT/24v	24v Opticulated Stop/Tail Lamp	3 Way Packard	1736	94.4mm Dia 90.25mm
320.RF7OPT	12v Opticulated Rear Fog Lamp	2 Way Packard	0157	94.4mm Dia 90.25mm
320.RF7OPT/24v	24v Opticulated RearFog Lamp	2 Way Packard	0157	94.4mm Dia 90.25mm
320.RL800OPT/12v	12v Opticulated Reverse Lamp	2 Way Packard	223	94.4mm Dia 90.25mm
320.RL800OPT/24v	24v Opticulated Reverse Lamp	2 Way Packard	223	94.4mm Dia 90.25mm
Spares				
366.001292	2 Way Packard Timer Connector			
366.001293	3 Way Packard Timer Connector			
320.SL9G	Gasket			
320.N677800	95mm Plynth			

Part number	Description	Connection	E Mark	Dimensions
320.FL25	12/24v Amber Rear Indicator Lamp with Straight Connector	2 Way Econoseal	1976	94.4mm Dia 80.25mm
320.SL9	12/24v Stop/Tail Lamp	2 Way Econoseal	021305	94.4mm Dia 80.25mm
320.RF7RA	12/24v Rear Fog Lamp with Angled Connector	2 Way Econoseal	00143	94.4mm Dia 80.25mm
320.RL800	12/24v Reverse Lamp with Straight Connector	2 Way Econoseal	212	94.4mm Dia 80.25mm
320.RL800RA	12/24v Reverse Lamp Angled Connector	2 Way Econoseal	212	94.4mm Dia 80.25mm
Spares				
570.2ECONOSEAL	2 Way Econoseal			
570.3ECONOSEAL	3 Way Econoseal			
320.SL9G	Gasket			
320.N677800	95mm Plynth			

320.SL9LED12V	12v LED Stop/Tail Lamp	Fly Lead	1727	95mm Dia x 49.7mm
320.SL9LED24v	24v LED Stop/Tail Lamp	Fly Lead	1727	95mm Dia x 49.7mm
320.RF7LED12	12v LED Rear Fog Lamp	500mm Fly Lead	0158	95mm Dia x 49.7mm
320.RF7LED24v	24v LED Rear Fog Lamp	500mm Fly Lead	0158	95mm Dia x 49.7mm

320.RL800LED12V	12v Reverse Lamp	Fly Lead	224	95mm Dia x 49.7mm
320.RL800LED24V	24v Reverse Lamp	Fly Lead	224	95mm Dia x 49.7mm
320.FL25LED12	12v LED Rear Indicator Lamp	Fly Lead	0011256	95mm Dia x 49.7mm
320.FL25LED24	24v LED Rear Indicator Lamp	Fly Lead	0011256	95mm Dia x 49.7mm

320.SL9LED12/SS	12v LED Stop/Tail Lamp	2 Way Super Seal	1727	95mm Dia x 49.7mm
320.SL9LED24/SS	24v LED Stop/Tail Lamp	2 Way Super Seal	1727	95mm Dia x 49.7mm








Spares				
320.SL9G	Gasket			
320.N677800	95mm Plynth			



## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
	<b>320.RF7LED12/SS</b> 12v LED Rear Fog Lamp <b>320.RF7LED24/SS</b> 24v LED Rear Fog Lamp	2 Way Super Seal 2 Way Super Seal	0158 0158	95mm Dia x 49.7mm 95mm Dia x 49.7mm
	<b>320.FL25LED12/SS</b> 12v LED Rear Indicator Lamp <b>320.FL25LED24/SS</b> 24v LED Rear Indicator Lamp	2 Way Super Seal 2 Way Super Seal	0011256 0011256	95mm Dia x 49.7mm 95mm Dia x 49.7mm
	<b>320.RL800LEDSS/12v</b> 12v LED Reverse Lamp <b>320.RL800LED24/SS</b> 24v LED Reverse Lamp	2 Way Super Seal 2 Way Super Seal	224 224	95mm Dia x 49.7mm 95mm Dia x 49.7mm
<b>Spares</b> <b>320.SL9G</b> <b>320.N677800</b>	Gasket 95mm Plynth			
	<b>320.FL25LEDCLR/12V</b> 12v LED Rear Indicator Lamp Clear Lens <b>320.FL25LEDCLR24V</b> 24v LED Rear Indicator Lamp Clear Lens	Fly Lead Fly Lead	0011257 0011257	95mm Dia x 49.7mm 95mm Dia x 49.7mm
	<b>320.SL9LEDCLR/12V</b> 12v LED Stop/Tail Lamp Clear Lens <b>320.SL9LEDCLR/24V</b> 24v LED Stop/Tail Lamp Clear Lens <b>320.SL9LED12/SS</b> 24v LED Stop/Tail Lamp Clear Lens	Fly Lead Fly Lead 2 Way Super Seal	1727 1727 1727	95mm Dia x 49.7mm 95mm Dia x 49.7mm 95mm Dia x 49.7mm
	<b>320.RF7LED12C</b> 12v LED Rear Fog Lamp Clear Lens <b>320.RF7LEDCLR/24V</b> 24v LED Rear Fog Lamp Clear Lens	500mm Fly Lead 500mm Fly Lead	0158 0158	95mm Dia x 49.7mm 95mm Dia x 49.7mm
<b>Spares</b> <b>320.SL9G</b> <b>320.N677800</b>	Gasket 95mm Plynth			

## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
	<b>320.FL1200RLED/12v</b> 12v LED Direction Indicator Lamp <b>320.FL1200RLED/24v</b> 24v LED Direction Indicator Lamp	Cable Entry Cable Entry	011292 011292	136.8 x 114.2 x 99mm 136.8 x 114.2 x 99mm
	<b>320.SL1200LED/12v</b> 12v LED Stop/Tail Fog Lamp <b>320.SL1200LED/24v</b> 24v LED Stop/Tail Fog Lamp	Cable Entry Cable Entry	ECE ECE	136.8 x 114.2 x 99mm 136.8 x 114.2 x 99mm
	<b>320.RF1200LED/12v</b> 12v LED Rear Fog Lamp <b>320.RF1200LED/24v</b> 24v LED Rear Fog Lamp	Cable Entry Cable Entry	ECE ECE	136.8 x 114.2 x 99mm 136.8 x 114.2 x 99mm
	<b>320.RV1200LED/12v</b> 12v LED Reverse Lamp <b>320.RV1200</b> 24v LED Reverse Lamp	Cable Entry Cable Entry	ECE ECE	136.8 x 114.2 x 99mm 136.8 x 114.2 x 99mm
	<b>320.RD101SZZ/12v</b> 12v LED Rear Direction Indicator Lamp <b>320.RD101SZZ/24v</b> 24v LED Rear Direction Indicator Lamp	Fly Lead Fly Lead	01473 01473	53.5mm Dia x 38mm 53.5mm Dia x 38mm
	<b>320.ST101SZZ/12V</b> 12v LED Stop/Tail Lamp <b>320.ST101SZZ/24V</b> 24v LED Stop/Tail Lamp <b>320.RF101SZZVV</b> 9-33v LED Rear Fog Lamp	Fly Lead Fly Lead Fly Lead	1919 1919 000231	53.5mm Dia x 38mm 53.5mm Dia x 38mm 53.5mm Dia x 38mm
	<b>320.RV102SZZVV</b> 9-33v LED Reverse Lamp <b>320.RD102SZZ/12v</b> 12v LED Rear Direction Indicator Lamp with Clear Lens <b>320.RD102SZZ/24v</b> 24v LED Rear Direction Indicator Lamp with Clear Lens <b>320.ST102SZZ/12V</b> 12v LED Stop/Tail Lamp Clear Lens <b>320.ST102SZZ/24V</b> 24v LED Stop/Tail Lamp Clear Lens <b>320.RF102SZZVV</b> 9-33v LED Rear Fog Lamp with Clear Lens	Fly Lead Fly Lead Fly Lead Fly Lead Fly Lead	00514 00514 00514 1919 1919 000231	53.5mm Dia x 38mm 53.5mm Dia x 38mm 53.5mm Dia x 38mm 53.5mm Dia x 38mm 53.5mm Dia x 38mm 53.5mm Dia x 38mm

## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
320.RD106SSZZ/12v	12v LED Rear Direction Indicator Amber Ring	Fly Lead	ECE	97mm Dia x 27.2mm
320.RD106SSZZ/24v	24v LED Rear Direction Indicator Amber Ring	Fly Lead	ECE	97mm Dia x 27.2mm
320.ST106SSZZ/12v	12v LED Stop/Tail Red Ring	Fly Lead	ECE	97mm Dia x 27.2mm
320.ST106SSZZ/24v	24v LED Stop/Tail Red Ring	Fly Lead	ECE	97mm Dia x 27.2mm
320.RD105SSZZ/12v	12v LED Rear Direction Indicator Clear Ring	Fly Lead	ECE	97mm Dia x 27.2mm
320.RD105SSZZ/24v	24v LED Rear Direction Indicator Clear Ring	Fly Lead	ECE	97mm Dia x 27.2mm
320.RD105STI/12v	12v LED Direction Indicator Clear Ring with Black Bezel	Fly Lead	ECE	97mm Dia x 27.2mm
320.RD105STI/24v	24v LED Direction Indicator Clear Ring with Black Bezel	Fly Lead	ECE	97mm Dia x 27.2mm
320.ST105SSZZ/12v	12v LED Stop/Tail Clear Ring	Fly Lead	ECE	97mm Dia x 27.2mm
320.ST105SSZZ/24v	24v LED Stop/Tail Clear Ring	Fly Lead	ECE	97mm Dia x 27.2mm
320.ST105STI/12v	12v LED Stop/Tail Clear Ring Black Bezel	Fly Lead	ECE	97mm Dia x 27.2mm
320.ST105STI/24v	24v LED Stop/Tail Clear Ring Black Bezel	Fly Lead	ECE	97mm Dia x 27.2mm
320.RR095SZZ	Reflect Reflector Housing for LED Rings		ECE	122.5mm Dia x 28.65mm
320.8RA008405007	95mm Circular Reflex Reflector (Fits around the 55mm Lamps)			
320.FL84RLED/12	12v Rear Amber Indicator Lamp	Fly Lead	ECE	84mm Dia x 49mm
320.FL84RLED/24	24v Rear Amber Indicator Lamp	Fly Lead	ECE	84mm Dia x 49mm
320.SL84LED/12v	12v Stop/Tail Lamp	Fly Lead	1742	84mm Dia x 49mm
320.SL84LED/24v	24v Stop/Tail Lamp	Fly Lead	1742	84mm Dia x 49mm
320.RF84LED/12v	12v LED Red Rear Fog Lamp	Fly Lead	000160	84mm Dia x 49mm
320.RF84LED/24v	24v LED Red Rear Fog Lamp	Fly Lead	000160	84mm Dia x 49mm
320.SL84LEDCLR/12v	12v Stop/Tail Lamp with Clear Lens	Fly Lead	1742	84mm Dia x 49mm
320.SL84LEDCLR/24v	24v Stop/Tail Lamp with Clear Lens	Fly Lead	1742	84mm Dia x 49mm
320.RF84LEDCLR/12v	12v LED Red Rear Fog Lamp with Clear Lens	500mm Fly Lead	000160	84mm Dia x 49mm
320.RF84LEDCLR/24v	24v LED Red Rear Fog Lamp with Clear Lens	500mm Fly Lead	000160	84mm Dia x 49mm
320.FL84RLEDCLR/12	12v Rear Amber Indicator Lamp with Clear Lens	Fly Lead	ECE	84mm Dia x 49mm
320.FL84RLEDCLR/24	12v Rear Amber Indicator Lamp with Clear Lens	Fly Lead	ECE	84mm Dia x 49mm
320.RL84LED/12v	12v LED Reverse Lamp	Fly Lead	ECE	84mm Dia x 49mm
320.RL84LED/24v	24v LED Reverse Lamp	Fly Lead	ECE	84mm Dia x 49mm

## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
334.001	12v LED Stop/Tail Indicator and Reflex Lamp	500mm Fly Lead	ECE	100 x 100 x 30mm
334.002	12v LED Stop/Tail Indicator, Number Plate and Reflex Lamp	500mm Fly Lead	ECE	100 x 100 x 30mm
334.003	12v LED Stop/Tail Indicator and Reflex Lamp	300mm Fly Lead	ECE	150 x 80 x 30mm
334.004L	LH 12v LED Stop/Tail Indicator, Fog, Reverse and Reflex Lamp	500mm Fly Lead	ECE	323 x 134 x 36.5mm
334.004R	RH 12v LED Stop/Tail Indicator, Fog, Reverse and Reflex Lamp	500mm Fly Lead	ECE	323 x 134 x 36.5mm
334.005	LH 10-30v LED Stop/Tail Indicator, Fog, Reverse and Reflex Lamp	500mm Fly Lead	ECE	300 x 146 x 45mm
334.006	LH 10-30v LED Stop/Tail Indicator, Fog, Reverse and Reflex Lamp	500mm Fly Lead	ECE	300 x 146 x 45mm
334.007	24v LED 5 Function Combination Lamp	500mm Fly Lead	ECE	460 x 160 x 90.25mm
<b>Modules</b>				
334.007STI	24v LED Stop/Tail Indicator Lamp	500mm Fly Lead	ECE	180.2 x 180.2 x 42.8mm
334.007FRT	24v LED Fog, Reverse and Tail Lamp	500mm Fly Lead	ECE	180.2 x 180.2 x 42.8mm
334.007TR	Triangular Reflector	500mm Fly Lead	ECE	180.2 x 180.2 x 42.8mm
334.007MP	Mounting Plinth for 3 Lamp Configuration			
334.008	24v LED 7 Function Combination Lamp Fog, Reverse, Position, Stop/Tail Indicator and Reflex Reflector	500mm Fly Lead	ECE	328.2 x 114.2 x 56.5mm

## Rear Lamps



Part number	Description	Connection	E Mark	Dimensions
334.020	24v LED Stop/Tail Indicator Lamp	500mm Fly Lead	ECE	94.5 x 45.6mm
334.021	24v LED Fog, Indicator and Tail Lamp	500mm Fly Lead	ECE	94.5 x 45.6mm
334.022	Combination Lamp Housing with Integral Reflector			

334.009	10-30v LED Stop/Tail Indicator and Reflex Lamp	500mm Fly Lead	ECE	191 x 49.4 x 31mm
334.019	10-30v LED Stop/Tail Indicator, Reverse and Reflex Lamp	500mm Fly Lead	ECE	191 x 49.4 x 31mm

334.011	24v LED Stop/Tail Indicator and Reflex Lamp	500mm Fly Lead	ECE	278 x 45 x 25.5mm
334.012	12v LED Stop/Tail Indicator and Reflex Lamp	500mm Fly Lead	ECE	278 x 45 x 25.5mm
334.013	24v LED Fog, Tail, Reverse and Reflex Lamp	500mm Fly Lead	ECE	278 x 45 x 25.5mm
334.014	12v LED Fog, Tail, Reverse and Reflex Lamp	500mm Fly Lead	ECE	278 x 45 x 25.5mm
334.015	24v LED Rear Position, Rear Direction Indicator and Reflex Lamp	500mm Fly Lead	ECE	278 x 45 x 25.5mm
334.016	24v LED Rear Position, Rear Direction Indicator and Reflex Lamp	500mm Fly Lead	ECE	278 x 45 x 25.5mm

## Proplast

New IP67 LED Rear Lights. Horizontal, Vertical and Diagonal Mount. ADR Approved

Part number	Description	Connection	E Mark	Dimensions
321.026621	12v LED Amber Indicator Lamp Clear when Unlit	500ml Fly Lead	12541	252 x 22 x 18mm
321.026601	24v LED Amber Indicator Lamp Clear when Unlit	500ml Fly Lead	12541	252 x 22 x 18mm

321.026521	12v LED Amber Indicator Lamp	500ml Fly Lead	12541	252 x 22 x 18mm
321.026501	24v LED Amber Indicator Lamp	500ml Fly Lead	12541	252 x 22 x 18mm

321.026232	12v LED Stop/Tail Lamp	500ml Fly Lead	TBA	252 x 22 x 18mm
321.026032	24v LED Stop/Tail Lamp	500ml Fly Lead	TBA	252 x 22 x 18mm

321.026212	12v LED Stop Lamp	500ml Fly Lead	12540	252 x 22 x 18mm
321.026012	24v LED Stop Lamp	500ml Fly Lead	12540	252 x 22 x 18mm
321.026202	12v LED Tail Lamp	500ml Fly Lead	12499	252 x 22 x 18mm
321.026002	24v LED Tail Lamp	500ml Fly Lead	12499	252 x 22 x 18mm
321.026222	12v LED Red Fog Lamp	500ml Fly Lead	12816	252 x 22 x 18mm
321.026022	24v LED Red Fog Lamp	500ml Fly Lead	12816	252 x 22 x 18mm

321.026523	12v LED Reverse Lamp	500ml Fly Lead	12627	252 x 22 x 18mm
321.026503	24v LED Reverse Lamp	500ml Fly Lead	12627	252 x 22 x 18mm
321.026203	12v LED Front Position Lamp	500ml Fly Lead	12498	252 x 22 x 18mm
321.026003	24v LED Front Position Lamp	500ml Fly Lead	12498	252 x 22 x 18mm

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## Rear Lamps

### IVECO Daily Rear Lamp

Part number	Description	Connection	E Mark	Dimensions
321.279011	LH Stop/Tail, Fog and Reverse (69500026)	Iveco Connector	5845	304 x 130 x 82mm
321.279012	RH Stop/Tail, Fog and Reverse (69500032)	Iveco Connector	5845	304 x 130 x 82mm

Spares				
321.279112	Lens (4255131, 42555132)			



### Radex

Part number	Description	Connection	E Mark	Dimensions
318.2800/10	LH 12v Rear Combination Lamp with Fog and Number Plate	Radex Connector	2381	240 x 145 x 60mm
318.2800/10G	LH 12v Rear Combination Lamp with Fog and Number Plate	Cable Entry	2381	240 x 145 x 60mm
318.2800/11	RH 12v Rear Combination Lamp with Fog and Number Plate	Radex Connector	2381	240 x 145 x 60mm
318.2800/11G	RH 12v Rear Combination Lamp with Fog and Number Plate	Cable Entry	2381	240 x 145 x 60mm

Spares				
318.2800/10S	LH Lens			
318.2800/11S	RH Lens			

318.2900/2	LH Triangular Combination Lamp with Fog	Radex Connector	2385	240 x 180 x 60mm
318.2900/2G	LH Rear Combination Lamp with Fog	Cable Entry	2385	240 x 180 x 60mm
318.2900/3UK	RH Rear Combination Lamp with Fog	Radex Connector	2385	240 x 180 x 60mm
318.2900/3G	RH Rear Combination Lamp with Fog	Cable Entry	2385	240 x 180 x 60mm

Spares				
318.2900/10S	LH Lens			
318.2900/11S	RH Lens			

318.5800/10	LH Combination Lamp with Fog	Cable Entry	55629	220 x 140 x 60mm
318.5800/11	RH Combination Lamp with Number Plate & Fog	Cable Entry	55629	220 x 140 x 60mm
318.5900/10	LH Combination Lamp with Number Plate & Fog	Radex Connector	55629	220 x 140 x 60mm
318.5900/11UK	RH Combination Lamp with Number Plate & Fog	Radex Connector	55629	220 x 140 x 60mm

Spares				
318.5800/5900/10S	LH Lens			
318.5800/5900/11S	RH Lens			

318.6800/2	LH Rear Combination Lamp with Fog	Radex Connector	57690	160 x 220 x 60mm
318.6800/10G	LH Rear Combination Lamp with Fog	Cable Entry	57690	160 x 220 x 60mm
318.6800/3UK	RH Rear Combination Lamp with Fog	Radex Connector	57690	160 x 220 x 60mm
318.6800/11G	RH Rear Combination Lamp with Fog	Cable Entry	57690	160 x 220 x 60mm

Spares				
318.6800/2S	LH Lens			
318.6800/3S	RH Lens			

### Spares for all Radex Lamps












318.Cable/11	5 Core Cable 2 x 11m to one 7 Pin Plug
318.Cable/7	5 Core Cable 2 x 7m to one 7 Pin Plug
318.Cable/7WP	6 Core Cable 2 x 7m to one 13 Pin Plug and Water Proof Connector
318.Cable4/5	5 Core Cable 2 x 4.5m to one 7 Pin Plug



2.60

## Rear Lamps

### Rubbolite

Part number	Description	Connection	E Mark	Dimensions
 360.2011100	Model 201 Reverse, Twin Tail & Reflex Reflector (housing style A)	Cable Entry	104	113 x 113 x 91mm
 360.2011600	Model 201 Stop, Rear Direction Indicator, Tail & Reflex Reflector (housing style A)	Cable Entry	6595, 7789	113 x 113 x 91mm
<b>Spares</b>				
361.4328	Red Position Tail Lens			
361.4199	Red Amber Stop/Tail Indicator Lens			
361.3882	Light Blank			
 360.2030201	Model 203 Rear Lamp Twin Tail, Reverse, DI, Stop & Fog (left hand)	Cable Entry	ECE	335 x 113 x 91mm
 360.2030200	Model 203 Rear Lamp Twin Tail, Reverse, DI, Stop & Fog (right hand)	Cable Entry	ECE	335 x 113 x 91mm
<b>Spares</b>				
361.3809	Fog Lens			
361.4328	Red Position Tail Lens			
361.3923	Red Twin Tail Lens			
361.3924	Amber Lens			
361.3882	Light Blank			
 360.2620100	LH & RH Model 262 Rear Lamp	Grommet Entry	0009	378 x 108 x 74mm
 360.262PS0100	LH & RH Model 262 Rear Lamp	Grommet Entry	0009	378 x 108 x 74mm
<b>Spares</b>				
361.4936	L & R Hand & Lens			
 360.312LED0104	Model 312 2 Compartment Lamp, Stop/Tail (LED), Direction Indicator (bulbed) with Rubber Housing	Cable Entry	1334, 6728	222 x 111 x 55mm
 360.312LED0106	Model 312 2 Compartment Lamp, Stop/Tail (LED), Direction Indicator (LED) with Rubber Housing	Cable Entry	1334, 1249	222 x 111 x 55mm
 360.313LED0104	Model 313 3 Compartment Lamp, Stop/Tail (LED), Fog (LED), Direction Indicator (bulbed)	Cable Entry	1334, 0149, 6728	333 x 111 x 55mm
 360.313LED0106	Model 313 3 Compartment Lamp, Stop/Tail (LED), Fog (LED), Direction Indicator (LED)	Cable Entry	1334, 0149, 1249	333 x 111 x 55mm
 360.313LED0206	Model 313 3 Compartment Lamp, Stop/Tail (LED), Reverse (bulbed), Direction Indicator (LED)	Cable Entry	1334, 0149, 1249	333 x 111 x 55mm

## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
 360.314LED0104	Model 314 4 Compartment, Stop/Tail (LED), Direction Indicator (bulbed), Fog (LED), Reverse (bulbed)	Cable Entry	1334, 0149, 6728, 142	444 x 111 x 55mm
 360.314LED0106	Model 314 4 Compartment, Stop/Tail (LED), Direction Indicator (LED), Fog (LED), Reverse (bulbed)	Cable Entry	1334, 0149, 6728, 142	444 x 111 x 55mm
 360.31201	Model 312 2 Compartment, Tail/Stop, Direction Indicator with Rubber Housing	Cable Entry	7943, 6728	222 x 111 x 55mm
 360.31203	Model 312 2 Compartment, Tail/Fog & Reverse with Rubber Housing	Cable Entry	7943, 0032, 142	222 x 111 x 55mm
 360.3120400	Model 312 2 Compartment, Twin Tail/Stop & Direction Indicator with Rubber Housing	Cable Entry	7949, 6728, 7944	222 x 111 x 55mm
 360.3130100	Model 313 3 Compartment, Tail/Stop, Direction Indicator & Fog with Rubber Housing	Cable Entry	7943, 0032, 6728	333 x 111 x 55mm
 360.31302	Model 313 3 Compartment, Tail/Stop, Direction Indicator & Reverse with Rubber Housing	Cable Entry	7943, 142, 6728	333 x 111 x 55mm
 360.3130300	Model 313 3 Compartment, Twin/Tail, Stop, Direction Indicator & Fog with Rubber Housing	Cable Entry	7949, 7944, 0032, 6728	333 x 111 x 55mm
 360.3140100	Model 314 4 Compartment, Direction Indicator, Twin Tail, Stop, Fog & Reverse	Cable Entry	7949, 7944, 0032, 6728	444 x 111 x 55mm
<b>Spares</b>				
361.5481	Red Stop/Tail Lens			
361.3809	Red Fog Lens			
361.5366	Clear Reverse Lens			
361.4851	Amber Indicator Lens			
361.5423	Bulb Holder			
361.5421	Reverse Reflector			
361.5420	Fog Reflector			
361.85454	Amber LED Indicator Lens			
361.5422	Bulb Holder			
361.5479	Bulb Holder			
 360.34001	Model 340 Rear Lamp, Direction Indicator Stop/Tail	Cable Entry	1004	134 x 92 x 54
<b>Spares</b>				
361.6268	Amber Red Lens			
361.6705	Bulb Holder			

## Rear Lamps



Part number	Description	Connection	E Mark	Dimensions
360.360MCE0800	RH Model 360 Rear Lamp with Side Marker & Number Plate & (Ribbed Lens)	MCE	0097	465 x 130 x 80mm
360.360MCE0801	LH Model 360 Rear Lamp with Side Marker (Ribbed Lens)	MCE	0097	465 x 130 x 80mm
<b>Spares</b>				
361.80857	LH & RH Lens (Ribbed) (Mercedes)			
361.80451	Bulb Holder			



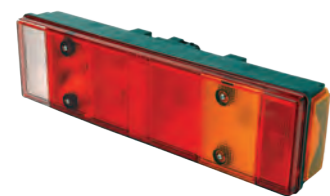
360.36001	LH & RH Model 360 Rear Lamp with Side Marker	Cable Entry	0006	465 x 130 x 80mm
360.3600801	LH Model 360 Rear Lamp with Side Marker & Number Plate (Volvo)	Cable Entry	0006	465 x 130 x 80mm
360.3600800	RH Model 360 Rear Lamp with Side Marker & Number Plate (Volvo)	Cable Entry	0006	465 x 130 x 80mm
360.36007	LH & RH Model 360 Rear Lamp with Side Marker (Volvo)	Cable Entry	0006	465 x 130 x 80mm



300.310IV/LH	LH Rear Lamp with IVECO Connector	Iveco	5180, 0006	466.5 x 130 x 81mm
300.310IVRH	RH Rear Lamp with IVECO Connector	Iveco	5180, 0006	466.5 x 130 x 81mm

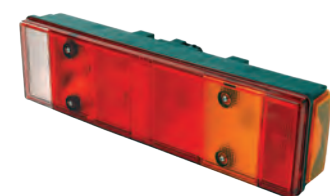


300.310112	RH Rear Lamp with DAF Connector	DAF	5172, 0006	466.5 x 130 x 81mm
300.310113	LH Rear Lamp with DAF Connector	DAF	5180, 0006	466.5 x 130 x 81mm



360.360SPS0100	RH Model 360 Rear Lamp with Side Marker (MAN/Scania)	Schlemmer	0006	465 x 130 x 80mm
360.360SPS0200	LH Model 360 Rear Lamp with Side Marker (MAN/Scania)	Schlemmer	0006	465 x 130 x 80mm
360.360SPS0800	RH Model 360 Rear Lamp with Side Marker and Number Plate (Mercedes)	Schlemmer	0006	465 x 130 x 80mm
360.360SPS0801	LH Model 360 Rear Lamp with Side Marker and Number Plate (Mercedes)	Schlemmer	0006	465 x 130 x 80mm
360.360DIN0800	RH Model 360 Rear Lamp with Side Marker and Number Plate	DIN	0006	465 x 130 x 80mm
360.360DIN0801	LH Model 360 Rear Lamp with Side Marker and Number Plate	DIN	0006	465 x 130 x 80mm

<b>Spares</b>				
361.6311	LH & RH Lens (Smooth)			
361.80451	Bulb Holder			



360.3620801	Model 362 LH Lamp with Number Plate (Volvo)	Volvo D Plug	0006	465 x 130 x 80mm
360.3620800	Model 362 RH Lamp with Number Plate (Volvo)	Volvo D Plug	0006	465 x 130 x 80mm
<b>Spares</b>				
361.6311	LH & RH Lens (Smooth)			
361.80451	Bulb Holder			

## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
360.3801	Model 38 Cluster Lamp with Number Plate Illumination	Cable Entry	6423, 7214	273 x 114 x 91mm
360.380200	Model 38 Cluster Lamp without Number Plate Illumination	Cable Entry	6423, 7214	273 x 114 x 91mm

<b>Spares</b>				
361.1650	Stop/Tail & Number Plate Lens			
361.2531	Red Stop/Tail Lens			
361.1759	Amber Lens			
361.1858	Reflector			
361.1503	Bulb Holder			
361.1981	Bulb Holder			



360.4610700	LH & RH Model 461 Rear Lamp with Side Marker	Cable Entry	0098	515 x 130 x 80mm
360.4610801LH	LH Model 461 Rear Lamp with Side Marker & Number Plate	Cable Entry	0098	515 x 130 x 80mm
360.4610800	RH Model 461 Rear Lamp with Side Marker & Number Plate	Cable Entry	0098	515 x 130 x 80mm

360.461SCE0720	RH Model 461 Rear Lamp with Side Marker	Side Cable Entry	0098	515 x 130 x 80mm
360.461SCE0721	LH Model 461 Rear Lamp with Side Marker	Side Cable Entry	0098	515 x 130 x 80mm

360.461DIN0800	RH Model 461 Rear Lamp with Side Marker	DIN	0098	515 x 130 x 80mm
360.461DIN0801	LH Model 461 Rear Lamp with Side Marker	DIN	0098	515 x 130 x 80mm

360.461SCE0830	RH Model 461 Rear Lamp with Side Marker & Number Plate	Side Cable Entry	0098	515 x 130 x 80mm
360.461SCE0831	LH Model 461 Rear Lamp with Side Marker & Number Plate	Side Cable Entry	0098	515 x 130 x 80mm

360.461DIN07730	RH Model 461 Rear Lamp with Side Marker, Reverse Alarm & Number Plate	DIN	0098	515 x 130 x 80mm
360.461DIN07731	LH Model 461 Rear Lamp with Side Marker, Reverse Alarm & Number Plate	DIN	0098	515 x 130 x 80mm

<b>Spares</b>				
361.80873	Red Amber Clear Lens			
360.70004	Reverse Alarm			



360.462DIN0711	LH Model 462DIN Lamp (Volvo)	DIN	0333	357 x 130 x 89mm
360.462DIN0811	LH Model 462DIN Lamp with Reverse Alarm (Volvo)	DIN	0333	357 x 130 x 89mm

360.462DIN0710	RH Model 462DIN Lamp (Volvo)	DIN	0333	357 x 130 x 89mm
360.462DIN07710	RH Model 462DIN Lamp with Reverse Alarm (Volvo)	DIN	0333	357 x 130 x 89mm

<b>Spares</b>				
361.85479	Red Amber Clear Lens			
360.70004	Reverse Alarm			





## Rear Lamps



Part number	Description	Connection	E Mark	Dimensions
360.463DIN0710	RH Model 463 Rear Lamp	DIN	0594	500 x 130 x 90mm
360.463DIN0711	LH Model 463 Rear Lamp	DIN	0594	500 x 130 x 90mm
360.463DIN07710	RH Model 463 Rear Lamp with Reverse Alarm	DIN	0594	500 x 130 x 90mm
360.463DIN07739	LH Model 463 Rear Lamp with Reverse Alarm	DIN	0594	500 x 130 x 90mm
360.463DIN0811	LH Model 463 Rear Lamp with Number Plate	DIN	0594	500 x 130 x 90mm
<b>Spares</b>				
361.88224	Red Amber Clear Lens			
361.7000424	Reverse Alarm			

360.4650100	Model 465 Rear Lamp (non handed)	Cable Entry	0192	340 x 130 x 85mm
360.4650800	RH Model 465 Rear Lamp with Side Marker & Number Plate	Cable Entry	0192	340 x 130 x 85mm
360.4650700	Model 465 Rear Lamp with Side Marker	Cable Entry	0192	340 x 130 x 85mm

**Spares**  
361.82570 Red Amber Clear Lens



360.49001	Model 490 Stop/Tail Indicator Lamp	Cable Entry	0008	244 x 70 x 62mm
<b>Spares</b>				
361.6955	Red Amber Lens			

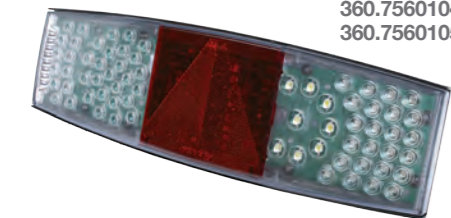


360.6160	Model 61 Stop/Tail, Indicator Lamp Optional Number Plate Illumination	Cable Entry	4147 (NP), 6297, 7338	240 x 105 x 90mm
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**Spares**  
361.1371 Complete Lens  
361.1353 Red Lens  
361.1397 Amber Lens  
361.1655 Bulb Holder  
361.1501 Light Blank



360.7560104	RH LED Stop/Tail, Fog DI & Reverse Lamp	Fly Lead	ECE	445 x 139 x 30mm
360.7560105	LH LED Stop/Tail, Fog DI & Reverse Lamp	Fly Lead	ECE	445 x 139 x 30mm



## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
360.802101	LH Model 80 Fog, Reflex/Reverse/Red Tail/Stop/DI lamp	Cable Entry	6R016501, 0015, 83, 4174 (NP), 7R017619	323 x 153 x 105mm
360.802100	RH Model 80 Fog, Reflex/Reverse/Red Tail/Stop/DI lamp	Cable Entry	6R016501, 0015, 83, 7R017619	323 x 153 x 105mm
360.802401	LH Model 80 Fog, Reverse/Red Tail, Stop/DI lamp	Cable Entry	6R016501, 0015, 83, 4174 (NP), 7R017619	323 x 153 x 105mm
360.802400	RH Model 80 Fog, Reverse/Red Tail, Stop/DI lamp	Cable Entry	6R016501, 0015, 83, 4174 (NP), 7R017619	323 x 153 x 105mm

**Spares**  
361.3009 Light Blank  
361.3158 Fasteners  
361.3184 Red Stop Amber Lens  
361.3186 Red Tail Lens  
361.3198 Red Clear Reflex Lens  
361.3227 Red Clear Lens  
361.3295 Red Reflector Lens  
361.3299 Amber Lens  
361.3852 Red Fog Lens  
361.6720 Red Stop/Tail Lamp  
361.3081 Fog Bulb Holder  
361.3082 Stop Indicator Bulb Holder  
361.3087 Bulb Holder  
361.3179 Bulb Holder

360.8000500	LH & RH Model 800 LED Rear Lamp with Twin Indicators	Cable Entry	5071	384 x 150 x 90mm
360.8000101	LH Model 800 LED Rear Lamp	Cable Entry	5071	384 x 150 x 90mm
360.8000100	RH Model 800 LED Rear Lamp	Cable Entry	5071	384 x 150 x 90mm

**Spares**  
361.1710100 Triangle  
361.86067 LH Reverse Lens  
361.86068 RH Reverse Lens  
361.86069 LH & RH Lens  
361.90321 LED Stop, Tail Pod



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## Rear Lamps



Part number	Description	Connection	E Mark	Dimensions
360.8370102 360.8370302	12v Model 837 LED Stop/Tail 12v Model 837 LED Fog	Fly Lead Fly Lead	1671 0153	95 x 95 x 23mm 95 x 95 x 23mm
360.8370202 360.8370402 360.8370204 360.8370404	12v Model 837 LED Direction Indicator 12v Model 837 LED Reverse 24v Model 837 LED Direction Indicator 24v Model 837 LED Reverse	Fly Lead Fly Lead Fly Lead Fly Lead	1252 0221 1252 0221	95 x 95 x 23mm 95 x 95 x 23mm 95 x 95 x 23mm 95 x 95 x 23mm
360.8370104 360.8370304	24v Model 837 LED Stop/Tail 24v Model 837 LED Fog	Fly Lead Fly Lead	1671 0153	95 x 95 x 23mm 95 x 95 x 23mm
<b>Spares</b> 361.88162 361.88163 361.88164 361.88165 361.88166	1 Function Bezel 2 Function Bezel 2 Function Bezel plus Triangle 3 Function Bezel 4 Function Bezel			
360.8380104 360.8380304	24v Model 838 LED Stop/Tail 24v Model 838 LED Fog	Fly Lead Fly Lead	1735 0156	120 x 120 x 86mm 120 x 120 x 86mm
360.8380204	24v Model 838 LED Direction Indicator	Fly Lead	1261	120 x 120 x 86mm 120 x 120 x 86mm
360.8380404	24v Model 838 LED Reverse	Fly Lead	0226	120 x 120 x 86mm 120 x 120 x 86mm
<b>Mounts</b> 361.87304 361.87305 361.1710101	2 Function Bezel and Triangle 3 Function Bezel Triangle			

## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
360.880201	Model 88 Tail/Stop, Direction Indicator & Reflex Reflector	Cable Entry	7604, 6491	166 x 85 x 55mm
360.8801	Model 88 Tail/Stop, Direction Indicator, Reflex Reflector & Number Plate Illumination	Cable Entry	7604, 6491	166 x 85 x 55mm
<b>Spares</b> 361.3032 361.3033 361.1107 361.1104	Red Amber Clear Lens Red Amber Lens Bulb Holder Bulb Holder			



## Vignal

Part number	Description	Connection	E Mark	Dimensions
355.152150	LH & RH LC5 Rear Lamp (Horizontal or Vertical Mounting)	Cable Entry	8005	350 x 130 x 83mm
355.152170	LH LC5 Rear Lamp with Number Plate (Horizontal or Vertical Mounting) OE Manitou Cabstar, DAF(1401731)	AMP 1.5	8005	350 x 130 x 83mm
355.152180	L & RH Rear Lamp with Number Plate (Horizontal or Vertical Mounting) OE Manitou Cabstar, DAF(1401713)	AMP 1.5	8005	350 x 130 x 83mm
<b>Spares</b> 305.1000100	Amber Red Clear Lens			
355.153000 355.153010	LH LC5T Rear Lamp (horizontal mounting) RH LC5T Rear Lamp (horizontal mounting)	AMP 1.5 AMP 1.5	06024 06024	350 x 130 x 83mm 350 x 130 x 83mm
355.153020	LH LC5T Rear Lamp with Number Plate (horizontal mounting)	AMP 1.5	06024	350 x 130 x 83mm
355.153030	RH LC5T Rear Lamp with Number Plate (horizontal mounting)	LC5T AMP 1.5	06024	350 x 130 x 83mm
355.153040 355.153050	LH LC5T Rear Lamp (horizontal mounting) RH LC5T Rear Lamp with Number Plate (horizontal mounting)	Cable Entry Cable Entry	06024 06024	350 x 130 x 83mm 350 x 130 x 83mm
355.153050	LH LC5T Rear Lamp (horizontal mounting)	Cable Entry	06024	350 x 130 x 83mm
355.156040 355.156050	LH LC8T Rear Lamp (clear) RH LC8T Rear Lamp (clear)	AMP 1.5 AMP 1.5	2040 2040	400 x 160 x 88.5mm 400 x 160 x 88.5mm
355.156060 355.156070	LH LC8T Rear Lamp with Number Plate RH LC8T Rear Lamp with Number Plate	AMP 1.5 AMP 1.5	2040 2040	400 x 160 x 88.5mm 400 x 160 x 88.5mm
355.156630	LH LC8T Rear Lamp with Number Plate (side connector)	AMP 1.5	2040	400 x 160 x 88.5mm
355.156640	RH LC8T Rear Lamp with Number Plate (side connector)	AMP 1.5	2040	400 x 160 x 88.5mm
<b>Spares</b> 355.056700 355.056710	LH Lens (Clear) RH Lens (Clear)			



## Rear Lamps

Part number	Description	Connection	E Mark	Dimensions
355.156200	LH Stop, Tail, DI, Fog, Reverse, No. Plate, Side Marker & Reflex Ref. (MAN) Lamp	AMP 1.5	2040	400 x 160 x 88.5mm
355.156210	RH Rear Combination Lamp with Buzzer (MAN)	AMP 1.5	2040	400 x 160 x 88.5mm
355.156290	LH LC8 Rear Lamp with Number Plate	AMP 1.5	2040	400 x 160 x 88.5mm
355.156300	RH LC8 Rear Lamp	AMP 1.5	2040	400 x 160 x 88.5mm

Spares  
355.056500  
355.056510

LH Lens  
RH Lens



355.156340	LH LC8 Rear Lamp with Number Plate	AMP 1.5	2040	400 x 160 x 88.5mm
355.156300	RH LC8 Rear Lamp	AMP 1.5	2040	400 x 160 x 88.5mm

Spares  
355.056550  
355.056540

LH Lens (clear)  
RH Lens (clear)



355.159010	LH LC9 Rear Lamp with Number Plate	AMP 1.5	4075	Amp 1.5 Side Connector
355.159020	RH LC9 Rear Lamp	AMP 1.5	4075	Amp 1.5 Side Connector

Spares  
355.059000

L & R Hand Lens



## LET THERE BE LIGHT

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## Rear Safety Break Lights

Part number	Description	Connection	E Mark	Dimensions
360.THQ0700	24v High Level Safety Brake Light	Fly Lead	ECE	407mm



365.2DA959071737	24v LED Safety Brake Light with Red Lens	Fly Lead	7547	258.5 x 28 x 26.2mm
365.2DA959071537	12v 2w LED Safety Brake Light with Red Lens	Fly Lead	7547	258.5 x 28 x 26.2mm



365.2DA959071037	12v 2w LED Safety Brake Light with Clear Lens	Fly Lead	7547	258.5 x 28 x 26.2mm
365.2DA959071237	24v 2w LED Safety Brake Light with Clear Lens	Fly Lead	7547	258.5 x 28 x 26.2mm



365.2DA343106001	12v 1.4w LED Safety Brake Light with Red Lens and Caps - Require Fixing Screws	Fly Lead	7696	280 x 25.97 x 9.8mm
365.2DA343106011	24v 1.4w LED Safety Brake Light with Red Lens and Caps - Require Fixing Screws	Fly Lead	7696	280 x 25.97 x 9.8mm



365.2DA343106211	24v 1.4w Self Adhesive LED Safety Light with Red Lens and Caps	Fly Lead	7696	280 x 25.97 x 9.8mm
365.2DA343106231	24v 1.4w Self Adhesive LED Safety Light with Smoked Lens and Caps	Fly Lead	7696	280 x 25.97 x 9.8mm



300.370011	12v LED Safety Brake Light with Red Lens	Fly Lead	2577	248 x 25 x 12mm
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300.370007	12v LED Safety Brake Light with Red Lens	Fly Lead	2576	350 x 26 x 14mm
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321.026212	12v Stop Lamp	500ml Fly Lead	12540	252 x 22 x 18mm
321.026012	24v Stop Lamp	500ml Fly Lead	12540	252 x 22 x 18mm



## Outline Marker

### Britax



Part number	Description	Connection	E Mark	Dimensions
305.427200	12/24v RED/White 60 degree Marker Lamp	Fly Lead	0192, 0492	193 x 67 Dia mm
<b>Spares</b>				
305.1005101233	Clear Lens			
305.1004401233	Red Lens			



305.427300	12/24v Red/White 90 degree Marker Lamp	Fly Lead	0192, 0492	193 x 67 Dia mm
<b>Spares</b>				
305.1005101233	Clear Lens			
305.1004401233	Red Lens			



305.428104L/12v	12v Red/White LED Marker Lamp	Fly Lead	0192, 0492	94 x 81 x 83mm
305.428104L/24v	24v Red/White LED Marker Lamp	Fly Lead	0192, 0492	94 x 81 x 83mm
305.428104	12/24v RED/White Wing Mount Marker Lamp	Fly Lead	0192, 0492	94 x 81 x 83mm
<b>Spares</b>				
305.2928200	12v Clear LED Unit			
305.2928201	24v Clear LED Unit			
305.2928300	12v Red LED Unit			
305.2928301	24v Red LED Unit			
305.1005101233	Clear Lens			
305.1004401233	Red Lens			



305.42900	12v Red/White 60 degree Marker Lamp	Fly Lead	397	191 x 62 Dia mm
<b>Spares</b>				
305.1025103	Clear Lens			
305.1025104	Red Lens			



305.429100	12v Red/White 90 degree Marker Lamp	Fly Lead	697	191 x 62 Dia mm
<b>Spares</b>				
305.1025103	Clear Lens			
305.1025104	Red Lens			



305.429200	12/24v Red/White Wing Mount Marker Lamp	Fly Lead	697	191 x 62 Dia mm
<b>Spares</b>				
305.1025103	Clear Lens			
305.1025104	Red Lens			

## Outline Marker

Part number	Description	Connection	E Mark	Dimensions
305.43300	12/24v Red/White Marker Lamp with Bracket	Cable Entry	88714	143 x 50 x 28mm



305.43301	12/24v Red/White Marker Lamp	Cable Entry	88714	143 x 50 x 28mm
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305.43400	12/24v Red/White Triangular Marker Lamp	Cable Entry	90711, 193, 735	106 x 47 x 41mm
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<b>Spares</b>				
305.1810000	Red White Lens			

### Hella

Part number	Description	Connection	E Mark	Dimensions
365.2XS008479061	LH Red/White Clearance Lamp	Cable Entry	1201	122.2 x 39.2 x 28.6mm
365.2XS008479071	RH Red/White Clearance Lamp	Cable Entry	1201	122.2 x 39.2 x 28.6mm



365.2XS005020001	12/24v Clearance Lamp	Cable Entry	31407	92 x 42 x 37mm
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<b>Spares</b>				
365.9EL132215001	Red White Lens			

### Perei

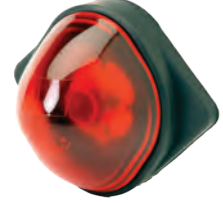


Part number	Description	Connection	E Mark	Dimensions
320.RM80	24v Red White Marker Lamp	Fly Lead	7R0201	99.5 x 71.7mm



## Outline Marker

Part number	Description	Connection	E Mark	Dimensions
 320.RM81/24v	24v Red White Marker Lamp 45 degree Angle	Fly Lead	7R0201	186.2 x 142.8mm
 320.RM82/24v	24v Red White Marker Lamp 90 degree Angle	Fly Lead	7R0201	183 x 169.8mm
334.032	9-33v LH 45° Horizontal Outline Marker	300mm Fly Lead	ECE	190 x 102mm
334.033	9-33v RH 45° Horizontal Outline Marker	300mm Fly Lead	ECE	190 x 102mm
334.034	9-33v LH 45° Horizontal Outline with Side Marker	300mm Fly Lead	ECE	190 x 102mm
334.035	9-33v RH 45° Horizontal Outline with Side Marker	300mm Fly Lead	ECE	190 x 102mm
334.036	9-33v LH 45° Vertical Outline Marker	300mm Fly Lead	ECE	149 x 144mm
334.037	9-33v RH 45° Vertical Outline Marker	300mm Fly Lead	ECE	149 x 144mm
334.038	9-33v LH 45° Vertical Outline with Side Marker	300mm Fly Lead	ECE	149 x 144mm
334.039	9-33v RH 45° Vertical Outline with Side Marker	300mm Fly Lead	ECE	149 x 144mm

## Rubbolite

Part number	Description	Connection	E Mark	Dimensions
 360.220101	Model 55 Marker Lamp with Red/White Lens	Cable Entry	013388	114 x 93 x 70mm
Spares 361.1744 361.2597	Red/White Lens Bulbholder			
 360.550101	Model 55 Marker Lamp with Red/White Lens	Cable Entry	013388	140 x 93 x 69mm
Spares 361.1744 361.2597	Red/White Lens Bulbholder			
 360.890101	Model 89 Front/Rear Marker Lamp	Cable Entry	7656, 681	95 x 87 x 88mm
Spares 361.3474 361.3475	Clear Front Lens Red Rear Lens			

## Outline Marker

Part number	Description	Connection	E Mark	Dimensions
 360.24001	Model 240 Red/White Front Position End Outline Marker Lamp	Fly Lead	7260, 276	190 x 68 Dia mm
Spares 361.5692 361.1104	Red/White Lens Bulbholder			
360.2400200	Model 240 Clear Marker Lamp	Fly Lead	3239	67 Dia x 190h x 152mm base
360.2400300	Model 240 Amber Marker Lamp	Fly Lead	6407	67 Dia x 190h x 152mm base
Spares 361.3200 361.5745 361.1104	Clear Lens Amber Lens Bulbholder			
 360.8410104	Model 841 LED Stalk Lamp RH Vertical	Cable Entry	1903, 1904, 0051	148h, stands out 134 with 100m base
360.8410105	Model 841 LED Stalk Lamp LH Vertical	Cable Entry	1903, 1904, 0051	148h, stands out 134 with 100m base
360.8400104	Model 840 LED Stalk Lamp RH Horizontal	Cable Entry	1903, 1904, 0051	148h, stands out 134 with 100m base
360.8400105	Model 840 LED Stalk Lamp LH Horizontal	Cable Entry	1903, 1904, 0051	148h, stands out 134 with 100m base
 360.899W1500	Model 899 White Front and Rear LED Marker	1.5m Fly Lead	1910	100 x 39 x 31mm
360.899W0500	Model 899 White Front and Rear LED Marker	0.5m Fly Lead	1910	100 x 39 x 31mm
360.899W0100	Model 899 White Front and Rear LED Marker	Superseal	1910	100 x 39 x 31mm
 360.899B0500	Model 899 Black Front and Rear LED Marker	1.5m Fly Lead	1910	100 x 39 x 31mm
360.899B1500	Model 899 Black Front and Rear LED Marker	0.5m Fly Lead	1910	100 x 39 x 31mm
360.899B0100	Model 899 Black Front and Rear LED Marker	Superseal	1910	100 x 39 x 31mm

## Number Plate Lamps

### Britax

Part number	Description	Connection	E Mark	Dimensions
305.86700	12/24v Number Plate Lamp	Cable Entry	4237	106 x 57 x 57mm
Spares 305.1039100	Lens			



305.86800	12/24v Number Plate Lamp	Cable Entry	4249	68 x 38 x 36mm
305.86850	12/24v Black Number Plate Lamp Insulated Return	Cable Entry	4249	68 x 38 x 36mm
Spares 305.1037110 305.1634000	Lens Screw			



305.L2300MV	9-42v LED Black Number Plate lamp	Cable Entry	1129	72 x 61 x 34mm
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### Hella

Part number	Description	Connection	E Mark	Dimensions
365.2KA001378001	12/24v Chrome Number Plate Lamp Lens	Cable Entry	12958	83 x 31.6 x 25mm



365.2KA001389101	12/24v Black Number Plate Lamp	Cable Entry	2815	80 x 28 x 31mm
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## Number Plate Lamps

Part number	Description	Connection	E Mark	Dimensions
365.2KA003389001	Number Plate Lamp Grey Coloured Body	Cable Entry	22819	102 x 56.5 x 55mm



365.2KA001610001	Number Plate Lamp Silver Coloured Body	Cable Entry	12949	260 x 45 x 39mm
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365.2KA010278011	24v LED Number Plate Lamp	Fly Lead	2609	82.7 x 32.6 x 11.1mm
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365.2KA003389061	12/24v Black Plastic Number Plate Lamp 72mm Between Screws	Cable Entry	22819	102 x 55 x 56.5mm
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365.2KA004331061	12v Recessed Number Plate Lamp	Cable Entry	22848	92 x 29 x 19mm
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365.2KA004525001	12/24v Black Bodied Number Plate Lamp	Cable Entry	22861	266 x 59 x 45mm
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365.2KA007929001	12/24v Rear Logic Number Plate Lamp	Cable Entry	597	112.5 x 55.5mm
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## Number Plate Lamps



Part number	Description	Connection	E Mark	Dimensions
 365.2KA997011001	12/24v Chrome Steel Number Plate Lamp	Cable Entry	4004	82 x 26 x 31mm
 365.2KA998523001	12/24v Black Number Plate Lamp	Cable Entry	4031	102 x 55 x 56.5mm
 365.2KA959640601	10-33v LED Black Number Plate Lamp for Left and Right Mounting	Fly Lead	4068	85 x 70 x 36mm

### Perei

Part number	Description	Connection	E Mark	Dimensions
 390.333	12/24v Black Number Plate Lamp	Cable Entry	ECE	70 x 33.5 x 26.2mm
 320.NPL94LED/12v 320.NPL94LED/24	12v LED Black Number Plate Lamp 24v LED Black Number Plate Lamp	Fly Lead Fly Lead	416	70 x 33.5 x 26.2mm
 320.NP103SZZ/12v 320.NP103SZZ/24v	12v LED Number Plate Lamp 24v LED Number Plate Lamp	Fly Lead Fly Lead	ECE ECE	75.8 x 63.2 x 44.8mm 75.8 x 63.2 x 44.8mm
 390.335	12/24v Black Number Plate Lamp	Cable Entry	4127	105 x 48 x 37.5mm



2.77

## Number Plate Lamps & Holders



Part number	Description	Connection	E Mark	Dimensions
 334.040	9-33v LED Number Plate Lamp	1000mm Fly Lead	ECE	92 x 50 x 50mm
 334.041	9-33v LED Number Plate Lamp	500mm Fly Lead	ECE	105 x 48 x 37.5mm

### Proplast

LED Number Plate Lamps IP54 and ADR approved

Part number	Description	Connection	E Mark	Dimensions
 321.027014	12v LED Number Plate Lamp	500mm Cable	12737	123 x 52 x 35mm
321.027004	24v LED Number Plate Lamp	500mm Cable	12737	123 x 52 x 35mm
 321.027514	12v LED Number Plate Lamp with Rear Marker	500mm Cable	12737	123 x 52 x 35mm
321.027504	24v LED Number Plate Lamp with Rear Marker	500mm Cable	12737	123 x 52 x 35mm

### Rubbolite

Part number	Description	Connection	E Mark	Dimensions
 360.1330100	Model 133 Number Plate Lamp	Cable Entry	4227	76 x 66 x 54mm
<b>Spares</b> 361.5058 361.5423	Lens Hood Bulbholder			
 360.1000301	Model 100 Number Plate Lamp with 1 x 10 Watt Bulb	Cable Entry	4185	114 x 67 x 57mm
360.1000401	Model 100 Number Plate Lamp with 2 x 5 Watt Bulb	Cable Entry	4185	114 x 67 x 57mm
<b>Spares</b> 361.2556 361.2190 361.3707	Bulb Holder for 360.1000301 Bulb Holder for 360.1000401 Lens			

2.78

## Number Plate Lamps & Holders



Part number	Description	Connection	E Mark	Dimensions
361.6450100	Trailer Plate Registration Plate Holder	N/A	N/A	364 x 254mm



360.64513413	24v Trailer Plate Registration Plate Holder with Lamp	Fly Lead	ECE	364 x 254mm
360.64583313	24v Trailer Plate Registration Plate Holder with LED Lamp	Fly Lead	ECE	364 x 254mm



360.8330104	Model 833 12/24v LED Number Plate Lamp	Cable Entry	0419	76 x 66 x 53mm
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370.15043	24v LED Number Plate Lamp with Black Bracket	Cable Entry	520	33.8 x 23.2mm
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### Vignal



Part number	Description	Connection	E Mark	Dimensions
355.196010	12/24v Volvo Black Number Plate Lamp	AMP JPT Connector	7001	101 x 53.3 x 58.2mm

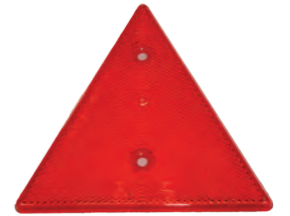
### Ring



Part number	Description	Connection	E Mark	Dimensions
307.RCT786	12/24V LED Number Plate	Fly Lead	ECE	71.84 x 41

## Reflectors

Part number	Description	Dimensions
350.701	Rivet on Red Triangle (two holes)	140 x 140mm



360.1710100	Red Triangle with Two Fixing Holes (Rubbolite)	134 x 152 x 6mm
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350.713	Amber Self Adhesive Reflector	100 x 45mm
350.714	Red Self Adhesive Reflector	100 x 45mm
350.715	Clear Self Adhesive Reflector	100 x 45mm



350.716	Amber 60mm Dia. Reflector with Fixing Hole	60mm Dia.
350.717	Red 60mm Dia. Reflector with Fixing Hole	60mm Dia.
350.718	Clear 60mm Dia. Reflector with Fixing Hole	60mm Dia.



350.716A	Amber Self Adhesive Reflector	55mm Dia.
350.717A	Red Self Adhesive Reflector	55mm Dia.
350.718A	Clear Self Adhesive Reflector	55mm Dia.



350.719	Amber Rivet on Reflector with White Fixing Bracket	102.5 x 48mm
350.720	Red Rivet on Reflector with White Fixing Bracket	102.5 x 48mm
350.721	Clear Rivet on Reflector with White Fixing Bracket	102.5 x 48mm









## Reflectors

	Part number	Description	Dimensions
	350.725	Amber Self Adhesive Reflector	108 x 44mm
	350.726	Red Self Adhesive Reflector	108 x 44mm
	350.727	Clear Self Adhesive Reflector	108 x 44mm
	350.728	Amber Self Adhesive Reflector	73 x 45mm
	350.729	Red Self Adhesive Reflector	73 x 45mm
	350.730	Clear Self Adhesive Reflector	73 x 45mm

## Junction Boxes

	Part number	Description	Rubblite Part No.
	290.091	Model 108 8 Way Junction Box Lens (Natural Rubber)	108/01/00
	290.093A	Model 111 Basic Junction Box without Terminal Block	111/01/00
	290.093	Model 111 Junction Box with 8 Way Terminal Block	111/01/01
	290.095	Model 111 Junction Box with 14 x 4 Way Spade Terminal Block	111/01/03
	290.094	Model 111 Junction Box with 2 x 8 Way Terminal Block	111/01/02
	290.094DH	Model 111 Junction Box with 2 x 8 Way Terminal Block (Double Height)	111/07/02
	290.093DH	Model 111 Junction Box with 8 Way Terminal Block (Double Height)	111/07/01
	290.095DH	Model 111 Junction Box with 14 x 4 Way Spade Terminal Block (Double Height)	111/07/03
	290.097	Model 111 Junction Box without Terminal Block (Double Height)	111/07/00
	290.099	Model 118 7 Way Junction Box	118/01/00

## Junction Boxes

Part number	Description	Rubblite Part No.	
290.102	Model 120 Single Height 8 Way Junction Box	120/01/02	
290.103	Model 120 Double Height 16 Way Junction Box	120/07/02	
290.106	Model 124 Triple Height 21 Way Junction Box	124/01/02	
360.8200204	Model 820 Rapide Junction Box Functions include: <ul style="list-style-type: none"> <li>• 3 left hand and 4 right hand marker lamps connections</li> <li>• 1 left hand and 1 right hand direction indicator and marker lamp connections</li> <li>• left and right hand multifunction rear lamp connections</li> <li>• 2 fog lamp connections</li> <li>• 2 stop lamp connections</li> </ul>	820/02/04	



## 9500 PRODUCTS ONE PROMISE

Dun-Bri will price match any UK automotive lighting manufacturer\*

\*Conditions apply, ask for details



## Accessories

Part number Description



565.T103 2 Way Superseal T Piece



565.102B 2 Way Superseal



565.103B 3 Way Superseal



570.2ECONOSEAL 2 Way Econoseal



570.3ECONOSEAL 3 Way Econoseal



355.D11868 1.5mm Amp Connector Kit for DIN and Vignal Connections



366.001292 2 Way Packard Timer Connector



366.001293 3 Way Packard Timer Connector

## Accessories

Part number Description

366.032657 Schlemmer 7 Way Socket connector. Black Nylon for use with NW10 tubing supplied with Terminals and Seals. (Fits some Volvo and Mercedes Lamps)



366.032658 Schlemmer 8 Pole Plug (fits some MAN Lamps)



### Leads

#### 2 Core Superseal

Part number Description

542.DB1000L/2/1 1m 2 Core Cable with a Female Two Way Superseal on each end

542.DB5500L/2/1 5.5m 2 Core Cable with a Female Two Way Superseal on each end

542.DB8000L/2/1 8m 2 Core Cable with a Female Two Way Superseal on each end



#### 4 Core Superseals

Part number Description

543.4W/0.5/2 0.5m Cable with 5 way Superseal one end, Female Spade Terminal the other

543.4W/2/2 2m Cable with 5 way Superseal one end, Female Spade Terminal the other

543.4W/3/2 3m Cable with 5 way Superseal one end, Female Spade Terminal the other



320.MODULEAD 1 Metre Cable (one end to lamp connector bear end on other)



### Loading Modules

Part number Description

320.LMI 24v Intelligent Loading Module for Perei Lamps



320.LMA 12/24v Indicator Loading Module (plain Resistor)



# Accessories

Part number

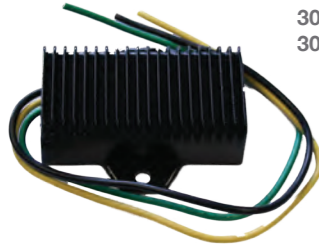
320.LU100

24v 5 Function Intelligent LED Loading Module for Perei Lamps



305.E070012V  
305.E070024V

12v Loading Module to Suit Britax LED Lamps  
24v Loading Module to Suit Britax LED Lamps



## Connection Types

Aspoek



2 Way Packard Timer Connector



Din Connector (Amp 1.5)



LEP Modupod



2 Way Superseal



Schlemmer



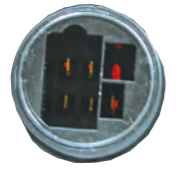
Iveco/Eurocargo



4 Pin Deutsch



Iveco/Daily



DAF Connector



Iveco



Volvo



2 Way Econoseal



3 Way Superseal



3 Way Packard Timer Connector



# Commercial Vehicle Lighting

## EU Regulations - Commercial Vehicles, Mobile Homes and Buses

### Lighting Equipment Requirements in Accordance with EU Guidelines 76/756

MOBILE HOMES - 12v



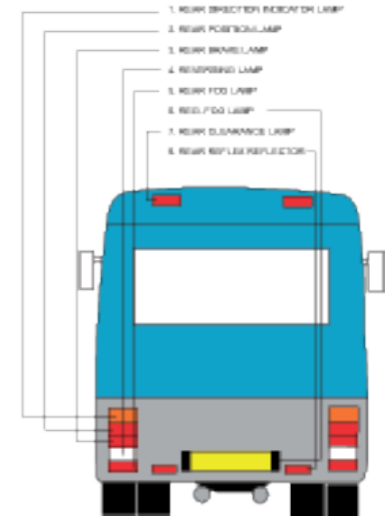
COMMERCIAL VEHICLES - 24v  
(BOX BODY)



COMMERCIAL VEHICLES  
- 24v (TARPAULIN)



BUSES - 24v



### Rear

#### 1. Rear Direction Indicator Lamp (Requirement)

Colour: Amber  
Quantity: 2  
Attachment Height: Min 350mm - Max 1500mm (exception 2100mm)  
Attachment Width: Max 400mm in from widest point of vehicle  
Min 600mm between each lamp for vehicles >1300mm wide  
Min 400mm between each lamp for vehicles <1300mm wide  
Geometric Visible Angle: Horizontal 45° inward and 80° outward  
Vertical ± 15° (Where attachment height <750mm = 5° downward)

#### 2. Rear Position Lamp (Requirement)

Colour: Red  
Quantity: 2  
Attachment Height: Min 350mm - Max 1500mm (exception 2100mm)  
Attachment Width: Max 400mm in from widest point of vehicle  
Min 600mm between each lamp for vehicles >1300mm wide  
Min 400mm between each lamp for vehicles <1300mm wide  
Geometric Visible Angle: Horizontal 45° inward and 80° outward,  
Vertical ± 15° (Where attachment height <750mm = 5° downward)

#### 3. Rear Brake Lamp (Requirement)

Colour: Red  
Quantity: 2  
Attachment Height: Min 350mm - Max 1500mm (exception 2100mm)  
Attachment Width: Min 600mm between each lamp for vehicles >1300mm wide  
Min 400mm between each lamp for vehicles <1300mm wide  
Geometric Visible Angle: Horizontal ± 45° Vertical ± 15° (Where attachment height <750mm = 5° downward)

#### 4. Reversing Lamp (Requirement)

Colour: White  
Quantity: 1 or 2  
Attachment Height: Min 250mm - Max 1200mm  
Attachment Width: No Regulations  
Geometric Visible Angle: 1 Lamp - Horizontal ± 45°, 2 Lamps - Horizontal 30° inward and 45° outward  
Vertical 15° upward, 5° downward)

#### 5. Rear Fog Lamp (Requirement)

Colour: Red  
Quantity: 1 or 2  
Attachment Height: Min 250mm - Max 1000mm (exception 2100mm)  
Attachment Width: Min 100mm from brake lamp General  
With only 1 Lamp = Left of centre for right hand traffic = Right of centre for left hand traffic  
Geometric Visible Angle: Horizontal ± 25° Vertical ± 5°

## EU Regulations - Commercial Vehicles, Mobile Homes and Buses

### 6. Registration Plate Lamp (Requirement)

Colour:	White
Quantity:	1 or more
Attachment of Reg Plate:	Centre or left (right for left hand drive vehicles)

### 7. Rear Clearance Lamp

Any brake lamp or brake lamp with integrated reflex reflector may be used

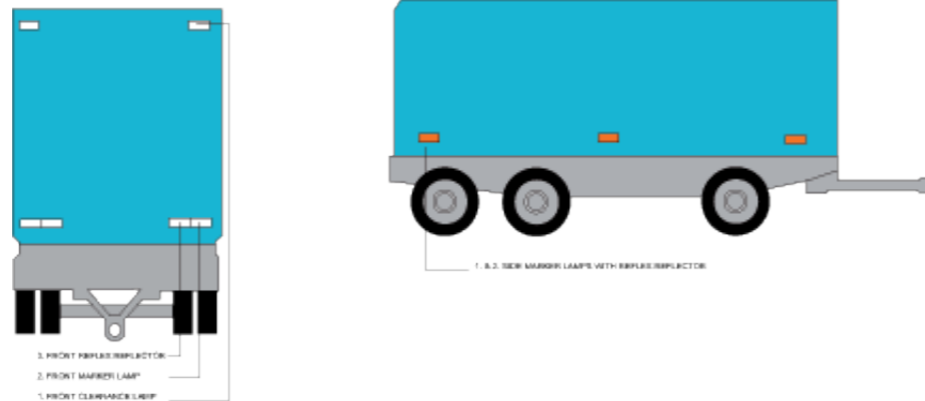
Colour:	Red
Quantity:	2
Attachment Height:	As high as possible
Attachment Width:	As near to widest point of vehicle as possible Min 200mm from brake lamp
Geometric Visible Angle:	Horizontal 80° outward Vertical 5° upward and 20° downward

*Note:* Front white and rear red clearance lamps may be combined into one lamp provided the attachment regulations and visible angle ranges are maintained.

### 8. Rear Reflex Reflector (Requirement)

Colour:	Red
Quantity:	2 (additional reflectors permissible)
Shape:	Not triangular
Attachment Height:	Min 250mm - Max 900mm (exception 1500mm)
Attachment Width:	Max 400mm in from widest point of vehicle Min 600mm between each lamp for vehicles >1300mm wide Min 400mm between each lamp for vehicles <1300mm wide
Geometric Visible Angle:	Horizontal ± 30° Vertical ± 15° (Where attachment height <750mm = 5° downward)

*Note:* The reflex reflector may be integrated within the rear combination lamp.



### Front

#### 1. Front Clearance Lamps

Required for:	Vehicles with width >2.1m
Permissible for:	Vehicles with width <1.8m
Colour:	White
Quantity:	2
Attachment Height:	As high as possible
Attachment Width:	As near to widest point of vehicle as possible
Geometric Visible Angle:	Horizontal 80° outward Vertical 5° upward and 20° downward

*Note:* Front white and rear red clearance lamps may be combined into one lamp provided the attachment regulations and visible angle ranges are maintained.

#### 2. Front Marker Lamp

Required for:	Vehicles with width >1.6m
Permissible for:	Vehicles with width <1.6m
Colour:	White
Quantity:	2
Attachment Height:	Min 350mm - Max 1500mm (exception 2100mm)
Attachment Width:	Max 150mm in from widest point of vehicle Min 600mm between each lamp for vehicles >1300mm wide
Geometric Visible Angle:	Horizontal 45° inward and 80° outward Vertical ± 15° (Where attachment height <750mm = 5° downward)

## EU Regulations - Commercial Vehicles, Mobile Homes and Buses

### 3. Front Reflex Reflector (Requirement)

Required for:	Vehicles with width >1.6m
Permissible for:	Vehicles with width <1.6m
Colour:	White
Quantity:	2
Shape:	Not triangular
Attachment Height:	Min 250mm - Max 900mm (exception 1500mm)
Attachment Width:	Max 150mm in from widest point of vehicle Min 600mm between each reflector for vehicles >1300mm wide Min 400mm between each reflector for vehicles <1300mm wide
Geometric Visible Angle:	Horizontal ± 30° Vertical ± 15° (Where attachment height <750mm = 5° downward)
<i>Note:</i>	The reflex reflector may be consolidated within the front marker lamp.

### Side

#### 1. Side Reflex Reflector (Requirement)

Colour:	Amber
Quantity:	Minimum of 1 in centre third of vehicle side
Shape:	Not triangular
Attachment Height:	Min 250mm - Max 900mm (exception 1500mm)
Attachment Longitudinal:	Max 3m from vehicle front (incl. drawbar) Max 1m from vehicle rear Max 3m between separate side reflectors (exception 4m)
Geometric Visible Angle:	Horizontal ± 45° outward Vertical ± 15° (Where attachment height <750mm = 5° downward)
<i>Note:</i>	Side reflex reflector may be integrated with side marker lamp.

#### 2. Side Marker Lamp

Required for:	Vehicles with length >6m
Permissible for:	Vehicles with length <6m
Colour:	Amber
Quantity:	Minimum of 1 in centre third of vehicle side
Shape:	Not triangular
Attachment Height:	Min 250mm - Max 1500mm (exception 2100mm)
Attachment Longitudinal:	Max 3m from vehicle front (incl. drawbar) Max 1m from vehicle rear Max 3m between separate lamps (exception 4m)
Geometric Visible Angle:	Horizontal ± 45° Vertical ± 10° (Where attachment height <750mm = 5° downward)

## EU Regulations - Trailers

### Rear

#### 1. Rear Reflex Reflector Triangle (Requirement)

Colour:	Red
Quantity:	2
Attachment Height:	Min 250mm - Max 900mm (exception 1500mm)
Attachment Width:	Max 400mm in from widest point of vehicle, Min 600mm between each reflector for vehicles >1300mm wide Min 400mm between each reflector for vehicles <1300mm wide
Geometric Visible Angle:	Horizontal $\pm 30^\circ$ Vertical $\pm 15^\circ$ (Where attachment height <750mm = $5^\circ$ downward)

*Note:* Rear combination lamps with integrated reflex reflector triangles are permissible on trailers, as are additional reflectors

#### 2. Rear Direction Indicator Lamp (Requirement)

Colour:	Amber
Quantity:	2
Attachment Height:	Min 350mm - Max 1500mm (exception 2100mm)
Attachment Width:	Max 400mm in from widest point of vehicle, Min 600mm between each lamp for vehicles >1300mm wide Min 400mm between each lamp for vehicles <1300mm wide
Geometric Visible Angle:	Horizontal $45^\circ$ inward and $80^\circ$ outward, Vertical $\pm 15^\circ$ (Where attachment height <750mm = $5^\circ$ downward)

#### 3. Rear Position Lamp (Requirement)

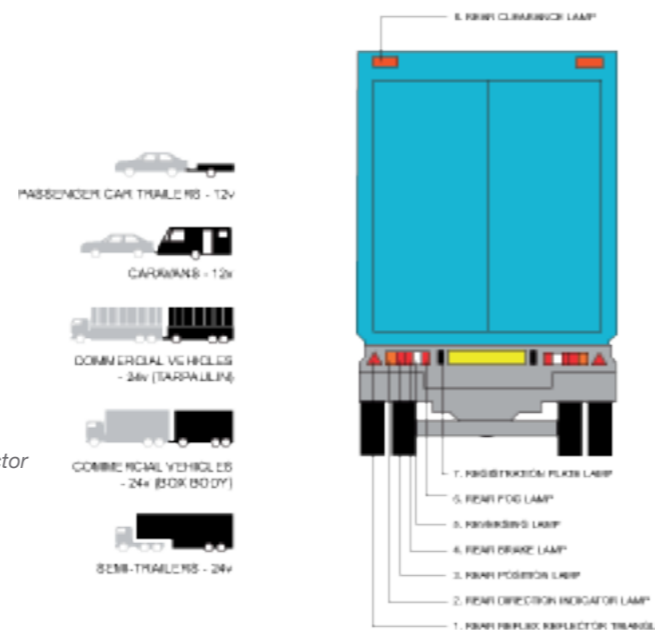
Colour:	Red
Quantity:	2
Attachment Height:	Min 350mm - Max 1500mm (exception 2100mm)
Attachment Width:	Max 400mm in from widest point of vehicle, Min 600mm between each lamp for vehicles >1300mm wide Min 400mm between each lamp for vehicles <1300mm wide
Geometric Visible Angle:	Horizontal $45^\circ$ inward and $80^\circ$ outward, Vertical $\pm 15^\circ$ (Where attachment height <750mm = $5^\circ$ downward)

#### 4. Rear Brake Lamp (Requirement)

Colour:	Red
Quantity:	2
Attachment Height:	Min 350mm - Max 1500mm (exception 2100mm)
Attachment Width:	Min 600mm between each lamp for vehicles >1300mm wide Min 400mm between each lamp for vehicles <1300mm wide
Geometric Visible Angle:	Horizontal $\pm 45^\circ$ Vertical $\pm 15^\circ$ (Where attachment height <750mm = $5^\circ$ downward)

#### 5. Reversing Lamp (Permissible)

Colour:	White
Quantity:	1 or 2
Attachment Height:	Min 250mm - Max 1200mm (exception 2100mm)
Attachment Width:	No Regulations
Geometric Visible Angle:	1 Lamp - Horizontal $\pm 45^\circ$ 2 Lamps - Horizontal $30^\circ$ inward and $45^\circ$ outward Vertical $15^\circ$ upward, $5^\circ$ downward



## EU Regulations - Trailers

#### 6. Rear Fog Lamp (Requirement)

Colour:	Red
Quantity:	1 or 2
Attachment Height:	Min 250mm - Max 1000mm (exception 2100mm)
Attachment Width:	Min 100mm from brake lamp General With only 1 Lamp = Left of centre for right hand traffic = Right of centre for left hand traffic
Geometric Visible Angle:	Horizontal $\pm 25^\circ$ Vertical $\pm 5^\circ$

#### 7. Registration Plate Lamp (Requirement)

Colour:	White
Quantity:	1 or more
Attachment of Reg Plate:	Centre or left (right for left hand drive vehicles)

#### 8. Rear Clearance Lamp

Any brake lamp or brake lamp with integrated reflex reflector may be used	
Colour:	Red
Quantity:	2
Attachment Height:	As high as possible
Attachment Width:	As near to widest point of vehicle as possible Min 200mm from brake lamp
Geometric Visible Angle:	Horizontal $80^\circ$ outward Vertical $5^\circ$ upward and $20^\circ$ downward
<i>Note:</i>	Front white and rear red clearance lamps may be combined into one lamp provided the attachment regulations and visible angle ranges are maintained.

### Side

#### 1. Side Reflex Reflector (Requirement)

Colour:	Amber
Quantity:	Minimum of 1 in centre third of vehicle side
Shape:	Not triangular
Attachment Height:	Min 250mm - Max 900mm (exception 1500mm)
Attachment Longitudinal:	Max 3m from vehicle front (incl. drawbar) Max 1m from vehicle rear Max 3m between separate side reflectors (exception 4m)
Geometric Visible Angle:	Horizontal $\pm 45^\circ$ outward Vertical $\pm 15^\circ$ (Where attachment height <750mm = $5^\circ$ downward)
<i>Note:</i>	Side reflex reflector may be integrated with side marker lamp.

#### 2. Side Marker Lamp

Required for:	Vehicles with length >6m
Permissible for:	Vehicles with length <6m
Colour:	Amber
Quantity:	Minimum of 1 in centre third of vehicle side
Shape:	Not triangular
Attachment Height:	Min 250mm - Max 1500mm (exception 2100mm)
Attachment Longitudinal:	Max 3m from vehicle front (incl. drawbar) Max 1m from vehicle rear Max 3m between separate lamps (exception 4m)
Geometric Visible Angle:	Horizontal $\pm 45^\circ$ Vertical $\pm 10^\circ$ (Where attachment height <750mm = $5^\circ$ downward)

## Warning and Safety Product Certification in Europe

### Certification for Automotive Use

Certification	UK	EU
'e' mark	Mandatory	Mandatory
Reg65 ECE Class I	Recommended	Mandatory
Reg65 ECE Class II	Not required	Mandatory for new products in some EU countries

### UK Regulations

The UK Road Traffic Regulations require warning beacons to be mounted at a minimum height of 1200mm above the ground or more and to flash or rotate at a minimum frequency of 1Hz (60 times per minute).

Reg65 ECE is not mandatory in the UK. However, Chapter 8 of the Traffic Signs Manual 2009 by the Department of Transport recommends the following safe standard of work for all works vehicles stopping on the highways:

"...any vehicle stopping on the highway for works purposes or inspections shall be equipped with either a roof-mounted amber warning lightbar (comprising at least two independent light sources) or two independent roof-mounted amber warning beacons, visible through 360°

Roof-mounted flashing amber warning beacons must comply with the requirements of the Road Vehicle Lighting regulations and should also comply with the United Nations Economic Commission for Europe (UNECE) Regulation 65 on Special Warning Lamps".

### Certification for Non-Automotive Use

Certification	UK	EU
CE mark	Mandatory	Mandatory
'e' mark	Not required	Not required
Reg65 ECE	Not required	Not required

### What is the CE Mark?



All manufacturers must demonstrate that any product sold in the EU conforms fully to the requirements of European Community directives through CE marking. The CE mark may be shown on the product, packaging or on accompanying documentation.

CE-marking is not a test mark: it shows that the manufacturer declares his product to comply with all relevant directives. This can be done internally through self-certification, although companies self-certifying should ensure sufficient tests have been carried out (internally or externally) to ensure a product passes all requirements.

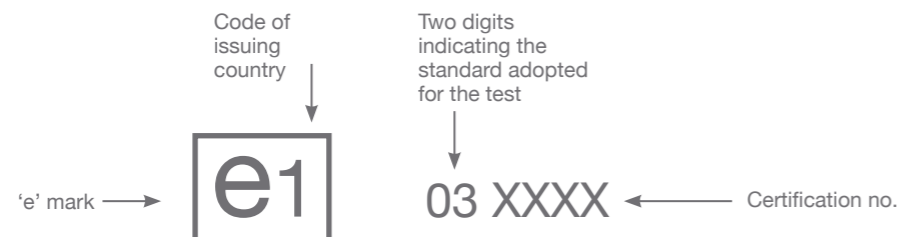
### What is Little 'e' Mark?

#### Automotive EMC Directive (2004/104/EC or 2006/28/EC)

Complete automobiles or electronic sub assemblies, such as warning lights, alarm systems, and high-mounted stop lamps must be tested for EMC compatibility under various conditions such as radiated and conducted emissions and disturbances directed at the unit or vehicle. The "e" mark is proof that it complies with directives required by the European Union.

- All electrical and electronic sub-assemblies which perform specialized functions on all vehicles on the road must hold this certification (except replacements for parts that were made previous to the directive)
- All tests are undertaken by an external test house
- Proof of certification has to be on each unit in the form of an e-mark and certification number, but does not have to be visible to the consumer.

### What does it look like?



## Warning and Safety Product Certification in Europe

### What is UN ECE R65?

United Nations Commission for Europe (UNECE) Regulation 65 on Special Warning Lamps  
This regulation covers labelling, light output (intensity and dispersion), flash rate and colour for beacons, lightbars and directional lights.

### Light Output

Each lightbar, beacon or directional light is tested for light intensity and light dispersion to meet set conditions for Class I or Class II (night and day intensity levels) for its colour range and product category.

<b>Class I</b>	Has to achieve the set night light intensity level
<b>Class II</b>	Must be able to switch between the set day and night light intensity levels

For example: a rotating amber beacon would have to meet a set light intensity at 0° and reach a set percentage of light intensity at +/- 8°, through 360° for Class I. To achieve Class II certification the beacon would have to be able to switch to daytime levels, which are 2.3 times brighter for amber. This operational switch is manual by the operator and not automatic.

### Flash Rate

Flash rate between 2 - 4Hz

Lightbars containing more than 2 light sources in each half of the lightbar must be synchronised with each other.

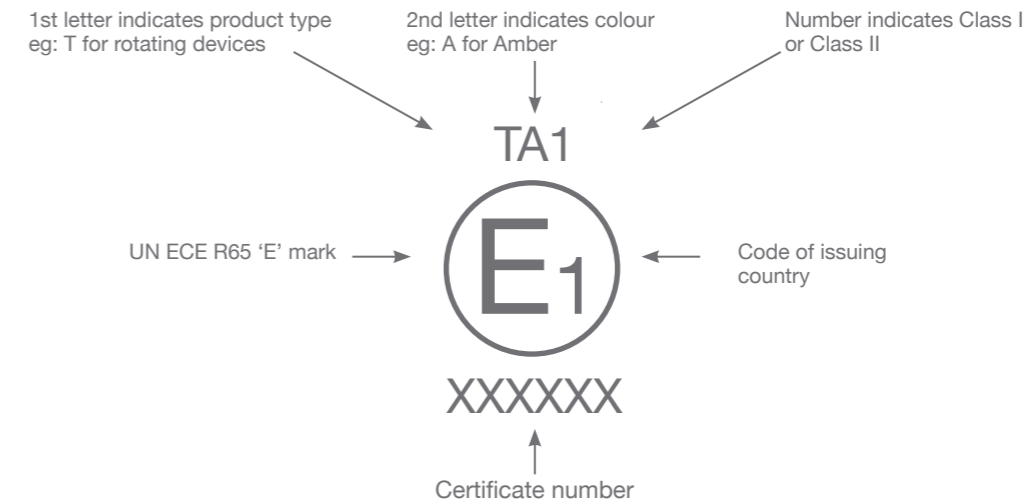
### Labelling

Each beacon or lightbar type is submitted for test and certification with detailed drawings of the location of all light sources, general assembly of the product and brand name and model. Any changes to these specifications may mean the unit would require re-testing.

All ECE R65 labelling must be clearly visible, together with the brand name and model number.

### CAP 168 compliance

The product must comply to the CAA regulations on aerodrome licensing. The CAP 168 regulations relate to the safety and operation of airports and airside facilities. Beacons not conforming to this legislation are not permitted to be used in these areas.



### Chapter 8: Roof mounted beacons

**05.3.1** Without prejudice to the specific requirements of the following sections, any vehicle stopping on the highway for works purposes or inspections shall be equipped with either a roof-mounted flashing amber warning light bar (comprising at least two independent light sources) or two independent roof-mounted flashing amber warning beacons, visible through 360°.

**05.3.2** Roof-mounted flashing amber warning beacons must comply with the requirements of the Road Vehicle Lighting Regulations and should also comply with the United Nations Economic Commission for Europe (UNECE) Regulation 65 on Special Warning Lamps.

**05.3.3** If the main roof-mounted beacon is likely to be obscured from the rear by parts of the vehicle or any equipment carried on the vehicle, additional beacons should be fitted toward the rear of the vehicle where they will remain visible.

**05.3.4** The roof-mounted beacons shall be in use when entering, leaving or moving within the site, when travelling in traffic at less than the general traffic speed, and when stationary on the hard shoulder.

**05.3.5** When stationary within the confines of a fully installed traffic management arrangement, the roof-mounted beacons shall be switched off, unless they form part of the guarding of the works, e.g. works on minor roads, or are required for mobile works; see Sections O10 and O11.

**05.3.6** Vehicles engaged on snow clearing, gritting operations or similar work shall display a flashing amber warning beacon at all times when operating.

## Directional Strobes

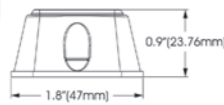


### 12-24v 4 Way High Intensity LED Modules

Current: Max. 0.52Amps  
 4 High Intensity 1W LED's  
 TIR or super wide angle Xtreme optics  
 Waterproof - can be installed anywhere  
 12 Built in selectable flash patterns  
 Simultaneous or Alternating Flashing  
 Multi Modules Synchronisation  
 Switchable Dim Mode  
 CE, EMC REG 10

#### SPECIFICATIONS

Voltage: 12-24VDC  
 Current: Max. 0.52 Amps  
 Flash Patterns: 12



#### Part number

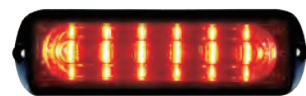
308.004A	12-24V 4 Way Amber High Intensity LED Modules
308.004R	12-24V 4 Way Red High Intensity LED Modules
308.004U	12-24V 4 Way Blue High Intensity LED Modules
308.004G	12-24V 4 Way Green High Intensity LED Modules



308.L4 L Bracket



308.L4S Swivel Mount Bracket

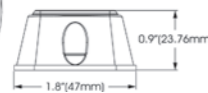


### 12-24v 6 Way High Intensity LED Modules

6 High Intensity 1W LED's  
 Current: Max. 0.92Amps  
 TIR or super wide angle Xtreme optics  
 Waterproof - can be installed anywhere  
 12 Built in selectable flash patterns  
 With side-by-side split flashing  
 Simultaneous or Alternating Flashing  
 Multi Modules Synchronisation  
 CE, EMC REG 10

#### SPECIFICATIONS

Voltage: 12-24VDC  
 Current: Max. 0.92 Amps  
 Flash Patterns: 19



#### Part number

308.006A	12-24V 6 Way Amber High Intensity LED Modules
308.006R	12-24V 6 Way Red High Intensity LED Modules
308.006U	12-24V 6 Way Blue High Intensity LED with Clear Lens
308.006G	12-24V 6 Way Green High Intensity LED with Clear Lens



308.L6 L Bracket



308.L6S Swivel Mount Bracket

## Directional Strobes

### Versa Series LED

3 High intensity STAR Generation-IV LEDs  
 S-LINK SYSTEM™ synchronizing compatibility  
 Flush and Bracket Mount  
 Weather resistant housing  
 Voltage: 10-16VDC  
 Approvals: SAE Class 1- Blue, Red  
 Amber stocked, other colours available  
 15° Light Spread

21 Customer selectable flash patterns including steady-on  
 Snap on, weather resistant bezels  
 Interior or exterior mounting  
 Dimensions: 25.4mm (H) x 92mm (W) x 19mm (D)  
 Amp Draw: 0.29 Amps  
 SAE Class 2- Amber, White  
 Reg 10



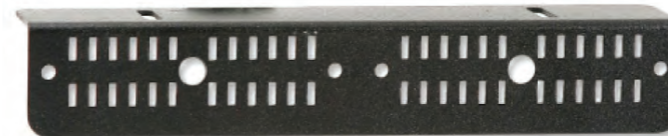
#### Part number

298.DLX3	Amber 3 LED
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### Brackets

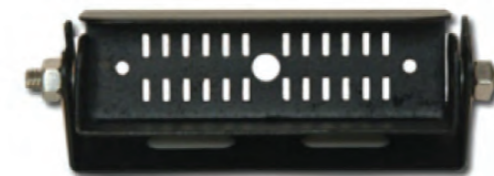
#### Part number

298.61X2	L-Bracket for Mounting Two DLX3 Horizontally
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#### Part number

298.6U	L-Bracket for Universal Mounting
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#### Part number

298.6W	Bracket for Window Mounting
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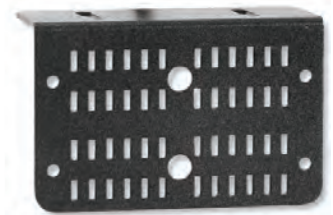
#### Part number

289.1366	Snap on Lens to Increase Light Spread from 15° to 35°
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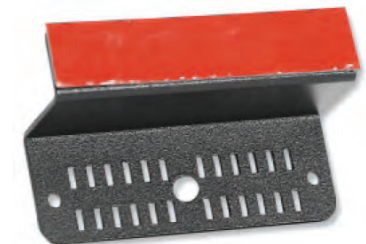
#### Part number

298.62X1	L-Bracket for Mounting Two DLX3 Vertically
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#### Part number

298.6W	Bracket for Window Mounting
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#### Part number

298.645	Bracket for 45° Angle Mounting
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## Directional Strobes



### DLXT Series

At only 13mm thick, these high intensity LED lights are built with fully encapsulated circuitry and can be mounted just about anywhere, interior or exterior. Reverse polarity protected and current limiting protection offering synchronising capability with other DLXT.

Amp Draw 0.3Amps @ 12v DC  
CE, EMC REG 10



### Part number

<b>298.DLXT/12V</b>	Standard LED Warning Light 21 Customer selectable flash patterns, including steady on.
<b>298.DLHT/12V</b>	Hazard Turn Light Synchronised flashing warning lights (synchronises with direction indicator input) 20 Customer selectable flash patterns, including steady on.

### 3600 Series

The 3600 Series LED heads are compact and versatile high intensity directional LED warning lights suitable for mounting anywhere on a vehicle. Colourless until illuminated, these discrete LED heads feature encapsulated electronics offering a high degree of environmental and vibration protection. Available in either single or twin head configurations, each model is supplied with both permanent and temporary (window) mounting hardware. The 3600 Series features 25 flash patterns and multiple units can also be synchronised to flash alternately or simultaneously with each other.

- Extruded aluminum housing with encapsulated electronics
- 25 flash patterns
- Multiple units can be synchronised to flash alternately or simultaneously
- Discrete units are colourless when not illuminated
- LEDs offer a long, maintenance-free service life
- SAE J595 Class I, CE, ECE R10, California Title 13
- Temperature range: -22°F to +122°F (-30°C to +50°C)

### Part number

<b>300.3611X</b>	12/24v 0.55A Single Head
<b>300.3612XX</b>	12/24v 0.55A Twin Head

Replace X in part number with desired LED colour: A = amber, B = blue, C = clear, R = Red (mix colour available)

### 3700 Series

These compact low power consumption and maintenance free units feature unique optics providing wide angle light dispersion and integral pre-programmed flash patterns.

Die-cast aluminium base is coated against corrosion  
Epoxy sealed electric

### Part number

<b>300.100363</b>	12V Amber Multiflash LED
<b>300.100364</b>	12V Blue Multiflash LED
<b>300.100365</b>	12V Red Multiflash LED
<b>300.100380</b>	12V Clear Multiflash LED
<b>300.100366</b>	24V Amber Multiflash LED
<b>300.100367</b>	24V Blue Multiflash LED
<b>300.100368</b>	24V Red Multiflash LED
<b>300.100381</b>	24V Clear Multiflash LED

## Directional Strobes

### 3736 Series

These compact and versatile surface-mount LED directional light is ideal for applications requiring high intensity output, low current draw and maintenance-free operation.

These auxiliary LED heads feature a clear acrylic lens optic with LEDs that illuminate in the colour of your choice. Warning capability can be customised by selecting from 11 different flash patterns and synchronisation capability.

- ABS plastic housing with encapsulated electronics
- 11 flash patterns
- Discrete units are colourless when not illuminated
- LEDs offer a long, maintenance-free service life
- CE, EMC Reg 10
- Temperature range: -22°F to 122°F (-30°C to +50°C)
- 94 x 34 x 39mm

### Part number

<b>300.3736A</b>	Amber
<b>300.3736R</b>	Red
<b>300.3736B</b>	Blue
<b>300.3736C</b>	Clear



### 3811 Series

3800 Series directional LEDs comprise 20 high intensity LEDs with individual reflectors to provide truly outstanding light output in a very cost-effective package. Featuring 7 flash patterns and synchronisation capability.

- Tough, clear polycarbonate housing with encapsulated electronics
- 7 flash patterns
- Synchronisable with other 3811/3861s
- Discrete units are colourless when not illuminated
- Crommet mount versions fit standard oval rear lighting grommet
- SAE J595 Class I
- CE, ECE Reg 10
- Temperature range: -22°F to +122°F (-30°C to +50°C)
- 151 x 53 x 30mm

### Part number

<b>300.3811A</b>	Amber
<b>300.3811R</b>	Red
<b>300.3811B</b>	Blue
<b>300.3811C</b>	Clear



**BUY YOUR 'ON-SITE'  
WARRANTY & FITTING  
SERVICES NOW**

Telephone 01763 274185.





## Directional Strobes



### 3510 Series

This compact high intensity surface mount directional LED comes with 16 different flash patterns, 8 standard and 8 optional cycle patterns. The 24 high quality LED heads output a powerful warning light of up to 528 lumens in white and are fully compatible with the Nova Hide-a-LEDs.

- 24 light intensit LED heads
- 2.74m cable
- 12v only
- e approval (95/54/EC)
- CE, EMC Reg 10
- Single wire pattern selection
- 5 year warranty
- 0.75A
- Synchronizable with Hide-a-LEDs
- 93 x 37 x 12mm

### Part number

<b>300.SD24A</b>	Amber 336 Lumens Light Output
<b>300.SD24R</b>	Red 360 Lumens Light Output
<b>300.SD24U</b>	Blue 120 Lumens Light Output
<b>300.SD24W</b>	White 528 Lumens Light Output

STANDARD PATTERNS		Frequency	Description
1	Quad Flash	1.25Hz	75 Quad Flashes per Minute
2	Double Flash	1.25Hz	75 Double Flashes per Minute
3	Triple Flash	1.53Hz	92.3 Triple Flashes per Minute
4	DeciBlast	1.42Hz	85.5 Deci Flashes per Minute
5	Single Flash	1.25Hz	75 Single Flashes per Minute
6	Mega Flash	1.90Hz	114 Single Flashes per Minute
7	Triple & Burst	1.37Hz	82.5 Triple & Burst Flashes per Minute
8	Steady On		Steady On

CYCLE PATTERNS			Description
1	Cycle All		Cycle Through Patterns 1 to 7
2	Double - Triple & Burst		2 Double, 2 Triple & Burst Cycle
3	Cycle Classic		1 Double, 1 Quad, 2 Mega Cycle
4	Quad-Mega		3 Quad, 4 Mega Cycle
5	Single-Quad		2 Single, 2 Quad Cycle
6	DeciBlast-Quad		2 DeciBlast, 2 Quad Cycle
7	Single-Triple-DeciBlast		2 Single, 2 Triple, 2 DeciBlast Cycle
8	Mega-Triple & Burst		1 Mega, 1 Triple & Burst Cycle

### Spares

#### Part number

**300.SD24LBRKT** L-Bracket, Black

**300.SD24BEX** Rubber Bezel, Black

### SecuriLED

- Intensely bright 3rd generation LED's
- Ultra low power consumption
- Multiple beacons may be connected together to provide synchronous or alternating flash patterns
- 2 year warranty
- CE, EMC Reg 10, Reg 65
- 10-30v
- IP67 Rated

### Part number

<b>325.SS2QXDV/LEDA</b>	SecuriLED Amber LED Surface Mount (497032)
<b>325.SS2QXDV/LEDR</b>	SecuriLED Red LED Surface Mount (497033)
<b>325.SS2QXDV/LEDB</b>	SecuriLED Blue LED Surface Mount (497034)

<b>325.SB2QXDV/LEDA</b>	SecuriLED Amber LED Bracket Mount (497042)
<b>325.SB2QXDV/LEDR</b>	SecuriLED Red LED Bracket Mount (497043)
<b>325.SB2QXDV/LEDB</b>	SecuriLED Blue LED Bracket Mount (497044)



## Directional Strobes

### VigiLED

- Intensely bright 3rd generation LED's
- Ultra low power consumption
- Triple Flash
- Multiple beacons may be connected together to provide synchronous or alternating flash patterns
- CE, EMC Reg 10
- 10-30v
- IP67 Rated
- 2 year warranty

### Part number

<b>325.DR4TXDV/LEDA</b>	10-30V VigiLED Amber DR4TXDV LED Clear Lens (497022)
<b>325.DR4TXDV/LEDR</b>	10-30V VigiLED Red DR4TXDV LED Clear Lens (497023)
<b>325.DR4TXDV/LEDB</b>	10-30V VigiLED Blue DR4TXDV LED Clear Lens (497024)



### VigiLED II

VigiLED II Series are small compact flash directional LED heads with an in-built flash controller. Ideal for internal, grille, bumper or rear mounting they feature a clear lens until turned on. 4 x 1W LEDs.

- Waterproof: IP67 rated
- 24 User Selectable Flash Patterns
- Synchronisation Capable
- 12/24V Dual Voltage
- Low Power Consumption (200 - 350mA)
- SAE Class 1 (Amber)
- ECE Reg 10 Approved
- Working Temperature: +80 °C to -20 °C
- Surface or Bracket Mount
- Tough Die Cast Housing and Polycarbonate Lens
- 5 Colours
- 73mm x 74mm x 31mm (W x H x D)
- IP67 rated

### Part number

<b>325.ED0001A</b>	VigiLED II Amber
<b>325.ED0001B</b>	VigiLED II Blue
<b>325.ED0001C</b>	VigiLED II Clear
<b>325.ED0001R</b>	VigiLED II Red



### Rearguard Xenon

- Low Profile
- High intensity directional hazard warning
- Up to 8 beacons may be connected to flash synchronously or alternately
- 2 Year warranty
- CE, EMC Reg 10

### Part number

<b>325.SQ4XDV/5</b>	10-30V Amber Rearguard Xenon (426002)
<b>325.SQ4XDV/5R</b>	10-30V Red Rearguard Xenon (426003)
<b>325.SQ4XDV/5B</b>	10-30V Blue Rearguard Xenon (426004)

**325.REARGUARDLED** 10-30V Rearguard Amber LED Clear Lens



## Directional Strobes

### Microstrobe VQ

- Compact one piece housing
- To fit drill a 22mm hole plus keyway
- IP67 lens when installed
- Housing 43 x 35 x 35mm
- 2 Year Warranty
- CE, EMC Reg 10



#### Part number

325.425082 10-100Vdc Amber Mini Beacon/Warning Light

325.425083 10-100Vdc Red Mini Beacon/Warning Light

### LP Synchronous Flash

- 75 Flash per min.
- Draw: 192mA @12v 96mA @24v
- IP67 Rated
- 2 Year Warranty
- CE, EMC Reg 10



#### Part number

325.LP4XDV/2 10-30V dc 2w Amber Mini Beacon (442002)

325.LP4XDV/5 10-30V dc 6w Amber Mini Beacon (439002)

325.LP4XDV/2R 10-30V dc 2w Red Mini Beacon (442003)

## Directional Strobes

### LED Hide-Away Strobe Kit

The Hide-Away LED strobe is ideal to fit inside the headlamps or on the side of a vehicle for optimal illumination

High Power Angled 9 LED for maximum output. Super Wide 45 Degree projection.

Up to 3 Pairs can be synchronised.

Can be fitted to existing Strobe power supplies

18 Flash Patterns

12V 1.8A

Reg 10

#### Part number

308.310/YB 12v Amber Hide-Away LED Kit with Black Flange

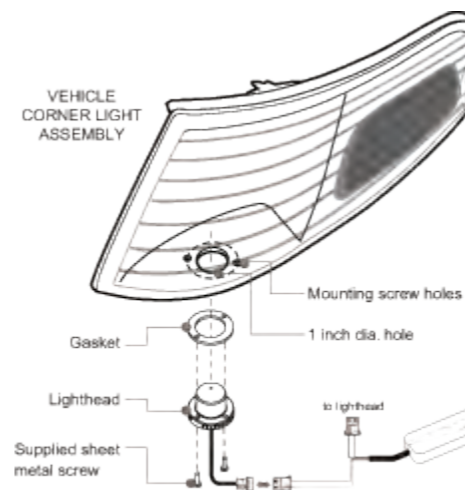
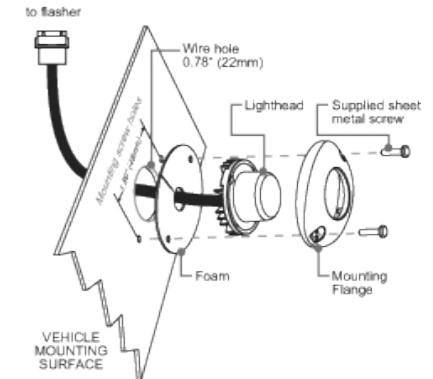
308.310/BB 12v Blue Hide-Away LED Kit with Black Flange

308.310W 2 x White Flanges

308.310C 2 x Chrome Flanges

Side Mounting Option

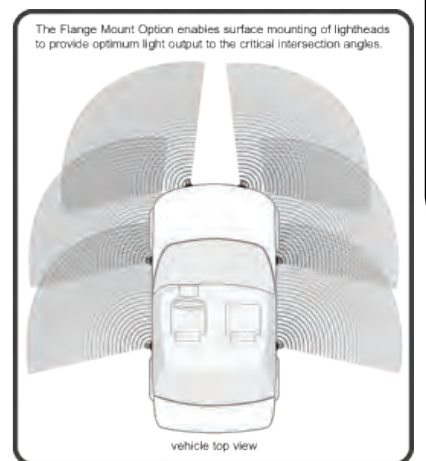
- Kit Contents
- 2 x Lighthead
  - 2 x Gaskets
  - 1 x Extension Cable
  - 2 x Black Flanges
  - 1 x Flasher & Cable



- RED** To +VDC (fuse @ 5A)
- BLACK** To Chassis Ground
- For Simultaneous or Alternating Flash  
\*refer to "WIRING 2 KITS TOGETHER" on opposite page
- For Synchronization & Flash Patterns  
Connect YELLOW wires of all Kits together for synchronization  
\*All kits must be set at the same pattern
- Momentarily apply +VDC to YELLOW wire:  
-once for next pattern  
-quickly three times for reset

FP#	Flash Patterns
0	Random
1	Single (split)
2	Double (split)
3	Quad (split)
4	Quint (split)
5	Mega (split)
6	Ultra (split)
7	Single-Quad (split)
8	Single H/L (split)
9	Single (all)
10	Double (all)
11	Quad (all)
12	Quint (all)
13	Mega (all)
14	Ultra (all)
15	Single-Quad (all)
16	Single H/L (all)
17	Steady 2 (CA)
18	Steady 4 (all)

\*SPLIT = Head1 alternate Head2 \*ALL = Head1 & 2 Simultaneous  
NOTE: This unit may not be factory set at FP# 0.



## LET THERE BE LIGHT

Dun-Bri Group is the UK's only specialist commercial vehicle lighting supplier.



## Rotating Beacons



- 1 year warranty
- Available in single and three bolt, magnetic (70mps), DIN and flexible DIN mount options
- Resistant to knocks, bumps and vibration
- Brass worm-gear driven rotators for reliability
- Feature dual-voltage operation - supplied fitted with a 12v H1 bulb and with a 24v bulb if required - you only have to stock one model line
- DIN Blue models available upon request
- ECE Regulation 65 approved
- H: 190mm Ø: 128mm

### Rotating Beacons

#### Part number

311.001 12/24v Single Bolt Rotating Beacon



311.002 12/24v Three Bolt Rotating Beacon



311.003 12/24v Magnetic (70mph) Rotating Beacon



311.004 12/24v DIN Mount Rotating Beacon



311.005 12/24v Flexible DIN Mount Rotating Beacon



## LED Beacons

- 1 year warranty
- Available in single and three bolt, magnetic (70mph), DIN and Flexible DIN mount options
- Resistant to knocks, bumps and vibration
- Epoxy encapsulated electronics for continued operation
- Dual-voltage beacons (12-24v)
- DIN blue models available on request
- 'e' EMC approved
- H: 200mm Ø: 128mm



### LED Beacons

#### Part number

311.009/LED 12/24 Single Bolt LED Beacon



311.010/LED 12/24 Three Bolt LED Beacon



311.008/LED 12/24 Magnetic (70mph) LED Beacon



311.011/LED 12/24 DIN Mount LED Beacon



311.012/LED 12/24 Flexible DIN Mount LED Beacon



## Industrial LED Beacons



- 1 year warranty
- Available in two profile and base options
- Resistant to knocks, bumps and vibration
- Epoxy encapsulated electronics for continued operation
- Multi-voltage beacons
- Stainless steel protection cages available for low-profile beacons
- 'e' EMC approved

### LED Beacons

#### Part number

**311.006/LED** 2 Bolt  
10-36v High Profile LED Beacon  
(Quad flash pattern)

**311.007/LED** 3 Bolt  
10-48v Low Profile LED Beacon  
(6 flash patterns)

**311.007/C** Cage



## WE'LL SHOW YOU WHERE TO STICK IT

We can supply and fit all our products via our national team of field engineers.



## Vision Alert Beacons

### Vision Alert 500 Series

#### Part number

**300.50000** 12/24v 70mph Magnetic less Bulb  
**300.5100D0** 10-48v 70mph Magnetic Xenon Double Flash

**300.501000** 12/24v Single Bolt less Bulb  
**300.5110D0** 10-48v Single Bolt Xenon Double Flash

**300.502000** 12/24v DIN Pole Mount less Bulb  
**300.5120D0** 10-48v DIN Pole Mount Xenon Double Flash

**300.503000** 12/24v 3 Bolt Fix less Bulb  
**300.5130D0** 10-48v 3 Bolt Fix Xenon Double Flash

**300.504000** 12/24v Flexi DIN Pole less Bulb  
**300.5140D0** 10-48v Flexi DIN Pole Xenon Double Flash

**300.509000** 12/24v Single Bolt Flexi less Bulb  
**300.5190D0** 10-48v Single Bolt Flexi Xenon Double Flash

**300.508000** 12/24v Conical Single Bolt less Bulb  
**300.5180D0** 10-48v Conical Single Bolt Xenon Double Flash

Lightbar, Beacon Bulbs and Accessories on Pages 2.109 - 2.111



H: 178mm

Ø: 153mm



H: 183mm

Ø: 153mm



H: 238mm

Ø: 153mm



H: 178mm

Ø: 153mm



H: 188mm

Ø: 133mm



H: 200mm

Ø: 135mm



H: 190mm

Ø: 131mm

## Vision Alert Beacons



H: 204mm Ø: 130mm

### Agri Beacon

#### Part number

300.LBB287 12/24v Rotating Flexi DIN Pole Mount (304.000)



### Static Flash CAP168 and ICAO Approved Airport Beacons

#### Part number

300.5C0201 12v Magnetic Airport Beacon  
300.5C0202 24v Magnetic Airport Beacon



H: 156mm Ø: 200mm



H: 183mm Ø: 153mm

300.5C1201 12v Single Bolt Airport Beacon  
300.5C1202 24v Single Bolt Airport Beacon

### Vision Alert 400 Midi Series

#### Part number

300.400000 12/24v 70mph Magnetic less Bulb  
300.5E7000 10-48v 70mph Magnetic Xenon Double Flash  
300.V1105U 12/24v 70mph Magnetic LED R65  
300.5L7204 12/24v 50mph Magnetic LED Economy



H: 156mm Ø: 200mm

300.401000 12/24v Single Bolt less Bulb  
300.5E1000 10-48v Single Bolt Xenon Double Flash  
300.V11052 12/24v Single Bolt LED R65  
300.5L1204 12/24v Single Bolt LED Economy



H: 183mm Ø: 153mm

300.402000 12/24v DIN Pole Mount less Bulb  
300.5E2000 10-48v DIN Pole Mount Xenon Double Flash  
300.V11056 12/24v DIN Pole Mount LED R65



H: 145mm Ø: 153mm

## Vision Alert Beacons

#### Part number

300.403000 12/24v 3 Bolt Fix less Bulb  
300.5E3000 10-48v 3 Bolt Fix Xenon Double Flash  
300.V11050 12/24v 3 Bolt LED R65  
300.5L3204 12/24v 3 Bolt LED Economy



H: 143mm Ø: 153mm

300.404000 12/24v Flexi DIN Pole less Bulb  
300.5E4000 10-48v Flexi DIN Pole Xenon Double Flash  
300.V11055 12/24v Flexi DIN Pole less Bulb LED R65  
300.5L4204 10-48v Flexi DIN Pole LED Economy



H: 156mm Ø: 200mm

300.409000 12/24v Single Bolt Flexi less Bulb  
300.5E9000 10-48v Single Bolt Flexi Xenon Double Flash  
300.V11057 12/24v Single Bolt Flexi LED R65



H: 166mm Ø: 135mm

300.408000 12/24v Conical Single Bolt less Bulb  
300.5882D0 10-48v Conical Single Bolt Xenon Double Flash  
300.V11051 12/24v Conical Single Bolt LED R65



H: 156mm Ø: 131mm



## 9500 PRODUCTS ONE PROMISE

Dun-Bri will price match any UK automotive lighting manufacturer\*

\*Conditions apply, ask for details



## Delta Design Beacons



### Alpha Star 2W

#### Part number

<b>325.RB4XDV/2</b>	10-30v 3 Bolt Fix Amber Beacon (420012)
<b>325.RB4XDV/2MAG</b>	10-30v Magnetic Base Amber Beacon (420042)
<b>325.RB4XDV/21B</b>	10-30v Single Bolt Fix Amber Beacon (420022)
<b>325.RB4XDV/2FX13</b>	10-30v Pole Mount Amber Beacon (420002)

H: 120mm Ø: 148mm



### Beta Star 6W

#### Part number

<b>325.RB4XDV/6</b>	10-32v Beta Star 3 Bolt Fix Amber Beacon (468012RB4XDV/6)
<b>325.RB4XDV/6MAG</b>	10-32v Beta Star Magnetic Amber Beacon (468022RB4XDV/6)
<b>325.RB4XDV/61B</b>	10-32v Single Bolt Fix Amber Beacon (468082)
<b>325.RB4XDV/6FX13</b>	10-32v DIN Pole Mount Fix Amber Beacon (468002)

H: 120mm Ø: 148mm



### Delta Star 15W

#### Part number

<b>325.RB2XDV/15</b>	10-30v 3 Bolt Fix Amber Beacon (470002)
<b>325.RB2XDV/15MAG</b>	10-30v Magnetic Amber Beacon (470017)
<b>325.RB2XDV/151B</b>	10-30v Single Bolt Amber Beacon (470012)

H: 120mm Ø: 148mm



### LED Beacon

#### Part number

<b>300.100495</b>	12/24v 3 Bolt LED Beacon
<b>300.100496</b>	12/24v Magnetic LED Beacon (up to 25mph)
<b>300.100494</b>	12/24v Single Bolt LED Beacon

H: 120mm Ø: 148mm



### Gamma Star 6W

#### Part number

<b>325.RC4XDV/6</b>	10-32v Single Bolt Gamma Star Amber Beacon (468092)
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H: 147mm Ø: 112mm



### Durastrobe 6W

#### Part number

<b>325.RD4XDV/5</b>	10-32v DIN Pole Mount Fix Durastrobe Amber Beacon (466002)
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H: 147mm Ø: 112mm

## Britax Beacons

#### Part number

**305.39400** 12/24v 70mph Magnetic less Bulb

**305.39100** 12/24v Single Bolt less Bulb

**305.39200** 12/24v DIN Pole Mount less Bulb

**305.39000** 12/24v 3 Bolt Fix less Bulb

**305.395100** 12/24v Flexi DIN Pole Mount less Bulb



H: 179mm Ø: 153mm



H: 179mm Ø: 153mm



H: 179mm Ø: 153mm



H: 179mm Ø: 153mm



H: 179mm Ø: 153mm

### Static Flash CAP168 Approved Use Airport Beacons

#### Part number

<b>305.33000/12v</b>	12v Amber 3 Bolt Airport Beacon
<b>305.33000/24v</b>	24v Amber 3 Bolt Airport Beacon



H: 165mm Ø: 153mm

<b>305.B33100</b>	12v Amber Single Bolt Airport Beacon
<b>305.B33100/24v</b>	24v Amber Single Bolt Airport Beacon



H: 165mm Ø: 153mm

## Beacon and Lightbar Fittings



### Britax Spare Lens

#### Part number

305.10438 Amber Lens to fit Britax 390 Range



### Vision Alert Spare Lenses

#### 500 Series Standard Lens

#### Part number

300.910023 Amber  
300.910155 Green  
300.910153 Red  
300.910156 Amber ECE R65



### Heavy Duty Beacon Lenses

#### Part number

300.910391 Amber Low Profile  
300.910396 Amber Standard Profile



### 400 Series Midi Rotator Lens

#### Part number

300.910323 Amber  
300.910325 Green  
300.910324 Red



### 400 Series Xenon Lens

#### Part number

300.910138 Amber  
300.910133 Red  
300.910134 Green  
300.910131 Amber ECE R65



### Dual Voltage Spare Motors

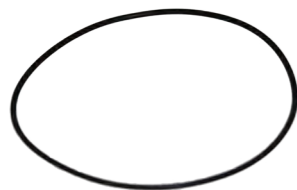
#### Part number

300.999554 400 Series Replacement Rotator Motor  
300.999555 500 Series Replacement Rotator Motor

### Drive Belts

#### Part number

300.945034 400 & 500 Series Beacon Drive Belt  
300.945035 600 & 700 Series Lightbar Drive Belt



## Beacon and Lightbar Fittings

### 700 Series Blaze Bar Spare Lenses

#### Part number

300.910097 700 Series Blaze Amber Lens  
300.910092 700 Series Blaze Red Lens  
300.910095 700 Series Blaze Green Lens



### Evolution Blaze Bar Spare Lenses

#### Part number

300.910381 600 Series Blaze Amber Lens  
300.910383 600 Series Blaze Green Lens  
300.910384 600 Series Blaze Red Lens



### Britax Aerolite 420m Spare Lenses

#### Part number

305.1854500 Amber Lens for Rotating Beacons  
305.1854507 Amber Lens for Xenon Beacons



### Beacon Accessories

#### Part number

300.100056 DIN Fit Straight Mount



300.100057 DIN Fit Welded Mount



300.100058 DIN Fit Screwed Mount



300.100059 DIN Fit Side Fixing



300.100060 DIN Fix Fold Down Mount



305.1310925 DIN Fix Fold Down Mount



## Beacon and Lightbar Fittings



305.1310930 DIN Fit Vertical Mount

300.999547 Roof Bar Fixing Kit  
Fits all 1 Bolt beacons for use with standard roof racks

### Fixing Kits

#### 1 Bolt Beacon Kit

##### Part number

300.999568 Blaze Bar Kit  
300.999569 Light Bar Kit (fits most roof bar sizes)



### High Lift Feet

##### Part number

300.905010 Pair of Stainless Steel 100mm High Lift Feet  
300.905011 Pair of Stainless Steel 150mm High Lift Feet



### Bulbs

#### Static Flash Bulbs

##### Part number

1002.290S 24v  
1002.382S 12v

	<b>Rotating Beacon replacement bulbs</b>  12v 24v 1002.448S 1002.466S	<b>Double/Quad Flash Xenon Tube</b>  300.999223
		<b>MiniVision Xenon Tube</b>  300.960012
<b>Heavy Duty Beacon / E-Approved Tube</b>  300.960055	<b>Remote Xenon Tube</b>  300.960024	<b>Industrial Xenon Tube</b>  300.999212

1002.960085 Xenon Tube for Mini Vision Beacons

## LED Mini Bars

### 140 Series LED Mini Light Bar (REG 65)

IP65, 360 degree visibility. Compliant to Regulation 65, multiple flash patterns.

#### Part number

334.050 10-30v 387.7mm 4 x Bolt Fix M6 Stud Amber LED Light Bar  
334.051 10-30v 387.7mm Magnetic Amber LED Light Bar



### 5580 Series

#### SAE Class II 15" LED

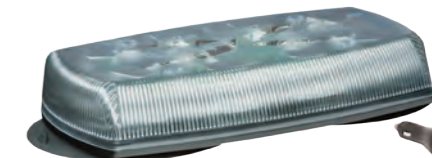
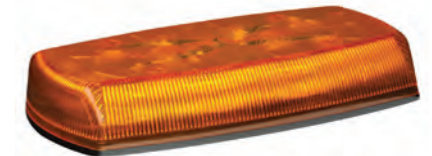
Reflex™ LED minibars provide a compact yet powerful warning solution that offers the flexibility of either permanent or vacuum-magnet mounting. Featuring 12-24 VDC operation, the Reflex™ uses high intensity LEDs and reflective technology to maximise light output. Users can select from 18 flash patterns, either via trigger wire on permanent mount models or cigarette plug switch on magnetic models.

- Eight LED reflector modules, each comprising three LEDs provide high intensity light output
- Choice of 18 flash patterns
- Cigarette plug with on/off and flash pattern selection switch (vacuum-magnet only)
- Polycarbonate base and low profile lens
- SAE J845 Class II, CE, e, EMC Reg 10
- Temperature Range: -22°F to +122°F (-30°C to +50°C)
- 381 x 63 x 229mm

#### Part number

300.5580A 12/24v Single Bolt with Amber Lens  
300.5580A-VM 12/24v Vacuum-Magnet with Amber Lens

300.5580CA 12/24v Single Bolt with Clear Lens  
300.5580CAVM 12/24v Vacuum-Magnet with Clear Lens



### 5565 Series

#### SAE Class II 15" LED

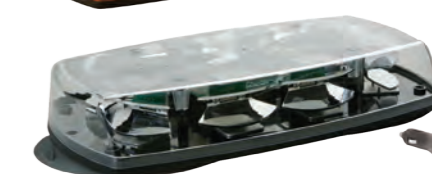
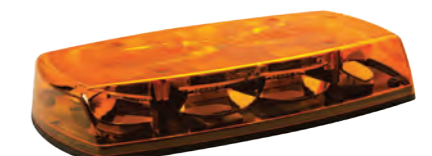
Reflex™ LED minibars provide a compact yet powerful warning solution that offers the flexibility of either permanent or vacuum-magnet mounting. Featuring 12-24 VDC operation, the Reflex™ uses high intensity LEDs and reflective technology to maximise light output. Users can select from 18 flash patterns, either via trigger wire on permanent mount models or cigarette plug switch on magnetic models.

- Eight LED reflector modules, each comprising three LEDs provide high intensity light output
- Choice of 18 flash patterns
- Cigarette plug with on/off and flash pattern selection switch (vacuum-magnet only)
- Polycarbonate base and low profile lens
- CE, EMC Reg 10, ECE R65
- Temperature Range: -22°F to +122°F (-30°C to +50°C)
- 381 x 63 x 229mm
- Reg 65

#### Part number

300.5565A 12/24v Single Bolt with Amber Lens  
300.5565AMMAG 12/24v Vacuum-Magnet with Amber Lens

300.5565CA 12/24v Single Bolt with Clear Lens





## LED Mini Bars



### Economy Vision Alert Evolution Blaze Bar

- 16" (400mm) x 4.33" (110mm)
- 65 FPM per module
- 16 head LED technology
- Low Profile, high visibility lens

#### Part number

306.6500202 10/48v Amber LED 65fpm 2 Bolt  
306.6500203 10/48v Amber LED 65fpm Single Bolt

300.6500204 10/48v Amber LED 65fpm Magnetic Mount

### LED 'Mini' Lightbar

420 x 205 x 95mm  
Dual Voltage

#### Part number

305.A48100LDV 12/24v Amber Slimline LED Single Bolt Minibar

305.A48400LDV 12/24v Amber Slimline LED Single Magnetic Minibar

## Mini Bars

### Vision Alert Evolution Blaze Bar

16" (400mm) Long 4.33" (110mm) High  
2 x 55w H1 Bulbs  
Low Profile, high visibility lens

#### Part number

300.601AA01Y 12v Amber 2 Rotators Single Bolt ECE R65 Approved  
300.601AA02Y 24v Amber 2 Rotators Single Bolt ECE R65 Approved

300.601AA01 12v Amber 2 Rotators 2 Bolt ECE R65 Approved  
300.601AA02 24v Amber 2 Rotators 2 Bolt ECE R65 Approved

300.601AA01M 12v Amber 2 Rotators Magnetic Mount  
300.601AA02M 24v Amber 2 Rotators Magnetic Mount



## Mini Bars

#### Part number

300.611AA00 12/24v Amber 2 Xenon Tubes Double Flash 2 Bolt  
300.611AA00Y 12/24v Amber 2 Xenon Tubes Double Flash Single Bolt

300.611AA00M 12/24v Amber 2 Xenon Tubes Double Flash Magnetic Mount

### Vision Alert 700 Series Blaze Bar

16" (400mm) Long 5.59" 142mm High.  
2 x 55w H1 Bulbs  
High Profile, high visibility lens

#### Part number

300.701001/12v 12v Amber 2 Rotators 2 Bolt ECE R65 Approved  
300.701002/24v 24v Amber 2 Rotators 2 Bolt ECE R65 Approved

300.701001Y/12V 12v Amber 2 Rotators Single Bolt ECE R65 Approved  
300.701002Y/24V 24v Amber 2 Rotators Single Bolt ECE R65 Approved

300.701001BAA/12v 12v Amber 2 Rotators Magnetic Mount  
300.701002BAA/24v 24v Amber 2 Rotators Magnetic Mount

300.711000 12/24v Amber 2 Xenon Tubes Double Flash 2 Bolt  
300.711000Y 12/24v Amber 2 Xenon Tubes Double Flash Single Bolt

300.711000BAA 12/24v Amber 2 Xenon Tubes Double Flash Magnetic Mount



## Mini Bars

### Britax Aerolite

16.5" (420mm) Long 5.12" (130mm) High  
2 x 55w H1 Bulbs  
9.2amp draw. IP56 Rated



#### Part number

**305.A42100/12v** 12v Amber 2 Rotators Single Bolt ECE R65 Approved  
**305.A42100/24v** 24v Amber 2 Rotators Single Bolt ECE R65 Approved



**305.A42400/12v** 12v Amber 2 Rotators Magnetic Mount  
**305.A42400/24v** 24v Amber 2 Rotators Magnetic Mount



**305.A43100DV** 12/24v Amber 2 Xenon Tubes Single Flash Single Bolt



**305.A43400** 12/24v Amber 2 Xenon Tubes Single Flash Magnetic Mount



## Dun-Bri LED Lightbars

### Dun-Bri LED Lightbar

- 2 year warranty on LEDs and build of the light bar
- Latest generation LED heads
- Featuring Philips Luxeon LEDs, known for their reliability and high power
- 360-degree visibility owing to the wide angle TIR optical system
- 1200mm models feature traffic director functions as standard (left, right and centre out patterns)
- 31 flash patterns including 50% steady burn diagnostic 'walk test' pattern
- Low profile, modern, aerodynamic design
- Environmentally friendly, no servicing or maintenance required - no bulbs to change!
- Energy-efficient light bar ensures it can be left on without having to leave the engine on
- Epoxy encapsulated electronics and digital power controller unit
- Available in blue or green at no additional cost
- REG 65 and REG 10 approved.



600mm / 23.5"

#### Part number

**311.2363540LED/12V** 40 Amber LEDs in 10 Modules with Clear Lenses



**311.2363540LEDM/12V** 40 Amber LEDs in 10 Modules with Clear Lenses with Magnetic Base (70 mph)



900mm / 35.5"

#### Part number

**311.3590248LED/12V** 48 Amber LEDs in 12 Modules with Clear Lenses



1200mm / 47"

#### Part number

**311.47123056LED/12V** 56 Amber LEDs in 14 Modules with Clear Lenses



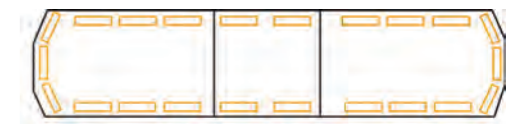
**311.47123056LEDST/12V** 56 Amber LEDs in 14 Modules with Clear Lenses with LED Stop, Tail & Indicator Modules



**311.47123080LEDSTI/12V** 80 Amber LEDs in 20 Modules with Clear Lenses with LED Stop, Tail & Indicator Modules



**311.47123088LED/12V** 88 Amber LEDs in 22 Modules with Clear Lenses



**IF WE SOLD IT  
WE'LL SORT IT**

Free two year product warranty  
available on most products\*

\*Excludes bulbs, tubes & chemicals. Warranty starts from invoice date.  
Other terms & conditions apply. Ask for details.



## Dun-Bri SR Series LED Lightbars

### Dun-Bri SR Series Lightbars

53mm tall, the SR Series LED lightbar offers a warning system that combines high intensity LED's with a modern chassis and aerodynamic styling.

- Low profile styling with high intensity ultra bright LEDs
- Low current draw (less than 20% of a standard halogen lightbar)
- Long maintenance free life
- 360° light output with increased dispersion at peak output
- Rigid aluminium base
- Toughened polycarbonate lens
- Protected against water and dust ingress
- 2 Year warranty



590mm / 23.5"

#### Part number

704.23559832LED/12v 12v Amber LED 8 Modules  
704.23559832LED/24v 24v Amber LED 8 Modules

977mm / 38"

#### Part number

704.3897732LED/12v 12v Amber LED 8 Modules  
704.3897732LED/24v 24v Amber LED 8 Modules

1240mm / 49"

#### Part number

704.49124048LED/12v 12v Amber LED 8 Modules  
704.49124048LED/24v 24v Amber LED 8 Modules

1370mm / 54"

#### Part number

704.54137048LED/12v 12v Amber LED 12 Modules  
704.54137048LED/24v 24v Amber LED 12 Modules

1500mm / 59"

#### Part number

704.59150064LED/12v 12v Amber LED 22 Modules  
704.59150064LED/24v 24v Amber LED 22 Modules

## Dun-Bri Aluminium LED Lightbars

### Dun-Bri Aluminium LED Lightbar

- 2 year warranty on LEDs and build of the light bar
- Latest generation LED heads
- Featuring Philips Luxeon LEDs, known for their reliability and high power
- 360-degree visibility owing to the wide angle TIR optical system
- 31 flash patterns including 50% steady burn diagnostic 'walk test' pattern
- Low profile, modern, aerodynamic design
- Environmentally friendly, no servicing or maintenance required - no bulbs to change!
- Energy-efficient light bar ensures it can be left on without having to leave the engine on
- Epoxy encapsulated electronics and digital power controller unit
- Heavy duty aluminium base and lid
- REG 65, REG 10 and EMC approved.



#### Part number

311.20452042LED/12V 12v 20.4" (520mm) LED Amber Magnetic Lightbar (42 LEDs)

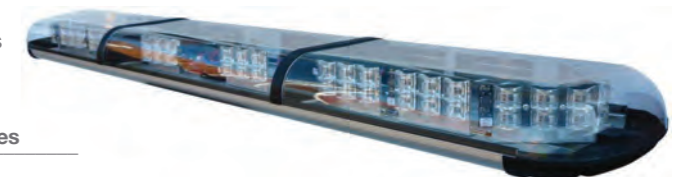
311.48120066LED/12V 12v 48" (1200mm) LED Amber Lightbar (66 LEDs)

## Vision Alert 65 Series Lightbars

### ECE R65 LED Light Bar

- Low profile styling with high intensity ultra bright LEDs
- Long life LED technology ensuring that the bars are maintenance-free for years to come
- 360-degree light output with increased dispersion at peak output
- Rigid aluminium base a standard with 60 Series bars
- Tough polycarbonate lens
- ECE R65 Class I and Class II amber versions available
- Cruise function available
- Opal or clear centre sections available Standard 60 Series mounting options
- REG 10 and EMC approved.

Part number	Voltage	Centre	Length	Modules
300.6500001V	12/24	Opal	630mm	8
300.6500002V	12/24	Opal	1060mm	8
300.6500003V	12/24	Opal	1275mm	8
300.6500004V	12/24	Opal	1435mm	8
300.6500005V	12/24	Opal	1590mm	12
300.6500006V	12/24	Opal	1890mm	12
300.6500007V	12/24	Opal	2160mm	12



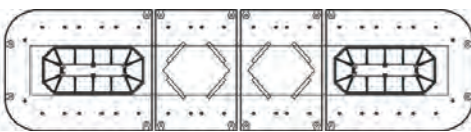
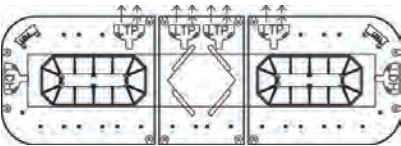
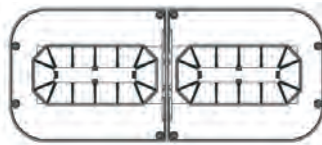
## STAR LED Lightbars

### M-Tech Plus® LED Lightbars

- 35 customer selectable flash patterns via external wire
- S-Link System™ allows synchronizing with other STAR LED products
- Rugged aluminium base and durable polycarbonate domes are fully gasketed to protect against moisture
- Roof Mount Kit is included
- High/Low power select
- Voltage: 12v-24v DC
- Amp Draw: Amps (average) 4.6A @ 12v
- Dome Colours: Amber, Clear, Red
- Colour Combinations: Amber, Blue, Green, Red, White
- Meets ECE REG 10 and REG 65 specifications.

#### Star Razor M-Tech Plus® LED Lightbars

Ultra Low Profile - only 70mm high.



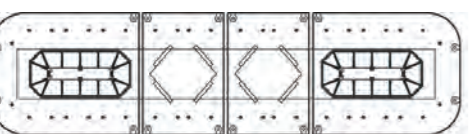
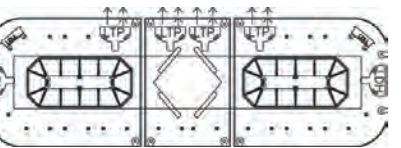
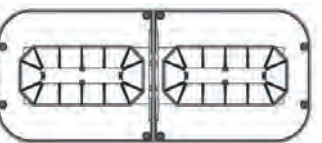
#### Part number

- 298.2364LED** 910mm M-Tech Plus® LED Lightbar with 64 LEDs
- 298.2462LED** 1170mm M-Tech Plus® LED Lightbar with 64 LEDs  
Two takedown/pursuit lights and 2 v-mirrors
- 298.2564LED** 1420mm M-Tech Plus® LED Lightbar with 64 LEDs and 2 v-mirrors

#### Star Sabre M-Tech Plus® LED Lightbars

The twin deck design of the Star Sabre LED Light bar maximizes lighting options allowing unobstructed light output of the primary warning lights on the upper deck and offering various auxiliary lighting options on the lower deck, including stop tail turn signal lights, takedown/pursuit lights, alley lamps, integral Safety Director etc. Featuring a rugged aluminium base and durable polycarbonate lens, which are fully gasketed to protect against moisture. for durability and ease of maintenance.

The Star Sabre LED Light Bar is available in a wide range of configurations, please call for options.



#### Part number

- 298.5364LED** 910mm M-Tech Plus® LED Lightbar with 64 LEDs
- 298.5464LED** 1170mm M-Tech Plus® LED Lightbar with 64 LEDs  
Four takedown/pursuit lights, two LED intersection clearing lights, two alley lights, 2 v-mirrors
- 298.5564LED** 1420mm M-Tech Plus® LED Lightbar with 64 LEDs and 2 v-mirrors

#### Sabre/Razor Lens

##### Part number

- 298.52021** End Dome - Upper Level (A, B, C, G, R, M)
- 298.22021L** End Dome - Lower Level (A, B, C, G, R, M) Sabre
- 298.52022** Centre Dome - Upper Level (A, B, C, G, R, M)
- 298.22022L** Centre Dome - Lower Level (A, B, C, G, R, M) Sabre
- 298.001687** Dome Threaded Nut Insert
- 298.3004761** Dome Channel Gasket (per foot)
- 298.300481** Plastic Bushing for Cable Harness
- 298.3005333** Dome Screw
- 298.22039PB** Glass Filled Nylon Fixing Kit
- 298.22039A** Metal Adjustable Mounting Feet
- 298.92029T** U Mount Non Adjustable Mounting Feet
- 298.92035** Gutter Mount Strap

## Vision Alert 15 Series Lightbars

### ECE R65 LED Lightbars

At only 53mm tall, the 15 Series LED Lightbar offers a warning system that combines high intensity LEDs with a modern, low profile chassis and aerodynamic styling. In addition, the all new reflector style LED modules are ECE R65 approved and available in 2 versions; 2 LED/R65 Class II and 3 LED/R65 Class I models are available on request.

All models shown are R65 Class I, Class II



#### Part number

- 300.1501325V** 12/24 590mm 12 LED Modules
- 300.1501326V** 12/24 980mm 12 LED Modules Opal Centre
- 300.1501327V** 12/24 1240mm 12 LED Modules Opal Centre
- 300.1501328V** 12/24 1370mm 12 LED Modules Opal Centre
- 300.1501329V** 12/24 1500mm 12 LED Modules Opal Centre
- 300.1501330V** 12/24 1760mm 12 LED Modules Opal Centre



## Vision Alert 60 Series Lightbars



### 60 Series Halo

Ring Halo™ Module  
OSRAM Platinum DRAGON LED technology

- ECE R65 amber with 18 LEDs

#### Part number

300.6000424V 12v 570mm Twin Halo LED  
300.6000465V 24v 570mm Twin Halo LED

300.6000425V 12v 742mm Twin Halo LED  
300.6000466V 24v 742mm Twin Halo LED

300.6000426V 12v 1000mm Twin Halo LED  
300.6000467V 24v 1000mm Twin Halo LED

300.6000427V 12v 1212mm Twin Halo LED  
300.6000468V 24v 1212mm Twin Halo LED

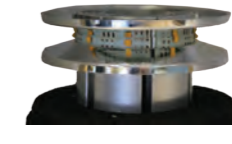
300.6000428V 12v 1372mm Twin Halo LED  
300.6000469V 24v 1372mm Twin Halo LED

300.6000429V 12v 1372mm Quad Halo LED  
300.6000470V 24v 1372mm Quad Halo LED

## Dun-Bri ENVIRON LED Lightbars

### Dun-Bri ECE REG 65 ENVIRON LED Lightbar

- Dual voltage
- Only 114mm high
- ECE REG 65 across entire range
- EMC REG 10



9 or 12 LED Module High Output



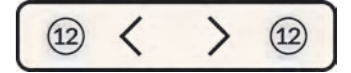
468mm / 22"

#### Part number

311.22468ENLED9



311.22468ENLED12



1054mm / 41"

#### Part number

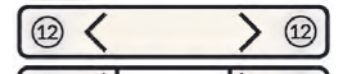
311.411054ENLED9

311.411054ENLEDC9



311.411054ENLED12

311.411054ENLEDC12



311.4110543NLED49



1100mm / 43"

#### Part number

311.431100ENLEDC9

311.431100RLED12



311.431100ENLED49



1250mm / 49"

#### Part number

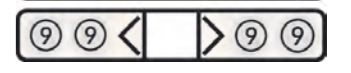
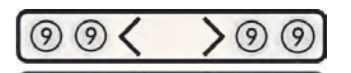
311.491250ENLEDC9

311.491250ENLEDC12



311.491250ENLED49

311.491250ENLEDC49



1500mm / 59"

#### Part number

311.591500ENLED49



## Dun-Bri LED Rotator Lightbars

### Dun-Bri ECE REG 65 LED Rotator Lightbar

- New LED Rotators that meet REG 65 across the entire range.
- Dual voltage
- Only 114mm high
- EMC REG 10



ECE REG 65 Approved triple LED Module with a free-form reflector

468mm / 22"

Part number

311.22468RLED Dual LED Rotators All Amber Plain Lens

1054mm / 41"

Part number

311.411054RLED Dual LED Rotators All Amber Plain Lens

311.411054RLEDC Dual LED Rotators with Illuminated Centre Section

311.411054RLED4 Quad LED Synchronised Rotators All Amber Plain Lens

1100mm / 43"

Part number

311.431100RLED Dual LED Rotators All Amber Plain Lens

311.431100RLEDC Dual LED Rotators with Illuminated Centre Section

1250mm / 49"

Part number

311.491250RLED Dual LED Rotators with Illuminated Centre Section

311.491250RLED4 Quad LED Synchronised Rotators All Amber Plain Lens

311.491250RLEDC4 Quad LED Rotators with Illuminated Centre Section

1500mm / 59"

Part number

311.591500RLED4 Quad LED Rotators with Illuminated Centre Section

1800mm / 71"

Part number

311.711800RLED4 Quad LED Rotators with Illuminated Centre Section



## Britax LED Lightbars

520mm / 20.5"

Part number

305.A6702000LDV 10-49v Module Amber LED



750mm / 29.5"

Part number

305.A6712200L/12V 12v Amber LED with Illuminated Centre Section  
305.A6712200L/24V 24v Amber LED with Illuminated Centre Section



1000mm / 39"

Part number

305.A6742200/12V 12v 2 Module Amber LED with Illuminated Centre Section  
305.A6742200/24V 24v 2 Module Amber LED with Illuminated Centre Section

305.A6734200/12V 12v 4 Module Amber LED with Illuminated Centre Section  
305.A6734200/24V 24v 4 Module Amber LED with Illuminated Centre Section



1250mm / 49.2"

Part number

305.A6762200/12V 12v 2 Module Amber LED with Illuminated Centre Section  
305.A6762200/24V 24v 2 Module Amber LED with Illuminated Centre Section

305.A6754200/12V 12v 4 Module Amber LED with Illuminated Centre Section  
305.A6754200/24V 24v 4 Module Amber LED with Illuminated Centre Section



## WE'LL SHOW YOU WHERE TO STICK IT

We can supply and fit all our products via our national team of field engineers.





## Britax ECE Regulation 65 Approved LED Lightbars

520mm / 20.5"

Part number

305.A6602000LDV 9-33v Module Amber LED ECE REG 65 Approved



750mm / 29.5"

Part number

305.A6612200L/12V 12v 2 Module Amber with Illuminated Centre Section LED ECE REG 65 approved  
305.A6612200L/24V 24v 2 Module Amber with Illuminated Centre Section LED ECE REG 65 approved



305.A6624000LDV 9-33v 770mm Amber 4 Module LED ECE REG 65 Approved



1000mm / 39"

Part number

305.A6642200/12V 12v 2 Module Amber with Illuminated Centre Section LED ECE REG 65 approved  
305.A6642200/24V 24v 2 Module Amber with Illuminated Centre Section LED ECE REG 65 approved  
305.A6634200/12V 12v 4 Module Amber with Illuminated Centre Section LED ECE REG 65 approved  
305.A6634200/24V 24v 4 Module Amber with Illuminated Centre Section LED ECE REG 65 approved



1250mm / 49.2"

Part number

305.A6662200/12V 12v 2 Module Amber with Illuminated Centre Section LED ECE REG 65 approved  
305.A6662200/24V 24v 2 Module Amber with Illuminated Centre Section LED ECE REG 65 approved  
305.A6654200/12V 12v 4 Module Amber with Illuminated Centre Section LED ECE REG 65 approved  
305.A6654200/24V 24v 4 Module Amber with Illuminated Centre Section LED ECE REG 65 approved



## Vision Alert 70 Series Lightbars

570mm / 22"

Part number

300.700001/12v Amber 2 Rotators 12v  
300.700002/24v Amber 2 Rotators 24v  
300.710000 10-48V Amber 2 Xenon Double Flash



742mm / 29"

Part number

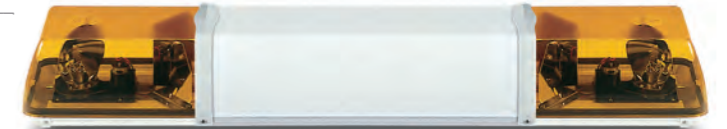
300.702001 Amber 2 Rotators with Illuminated Centre Section 12v  
300.702002 Amber 2 Rotators with Illuminated Centre Section 24v



1000mm / 39"

Part number

300.703001/12v Amber 2 Rotators with Illuminated Centre Section 12v  
300.703002/24v Amber 2 Rotators with Illuminated Centre Section 24v



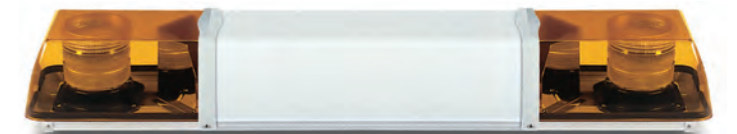
300.763501  
300.763502

Amber 3 Rotators all Amber Lens 12v  
Amber 3 Rotators all Amber Lens 24v



300.713001/12v  
300.713002/24v

10-48V Amber 2 Xenon Double Flash with Illuminated Centre Section 12v  
10-48V Amber 2 Xenon Double Flash with Illuminated Centre Section 24v



## Vision Alert 70 Series Lightbars

1212mm / 48"

Part number

300.704001/12v Amber 2 Rotators with Illuminated Centre Section 12v  
300.704002/24v Amber 2 Rotators with Illuminated Centre Section 24v



300.704001AAF Amber 2 Rotators, Work lamps with Illuminated Centre Section 12v  
300.704002AAF Amber 2 Rotators, Work lamps with Illuminated Centre Section 24v



300.70.0004/12v Amber 2 Rotators with Black Centre Section 12v  
300.70.0005/24v Amber 2 Rotators with Black Centre Section 24v



300.714001/12v Amber 2 Xenon Double Flash with 12v Illuminated Centre Section 10-48V  
300.714002/24v Amber 2 Xenon Double Flash with 12v Illuminated Centre Section 10-48V



300.724001/12v Amber 4 Rotators with Illuminated Centre Section 12v  
300.724002/24v Amber 4 Rotators with Illuminated Centre Section 24v



300.734000 10-48V Amber 4 Xenon Double Flash all Amber Lens



## Vision Alert 70 Series Lightbars

1524mm / 60"

Part number

300.705001/12v Amber 2 Rotators with Illuminated Centre Section 12v  
300.705002/24v Amber 2 Rotators with Illuminated Centre Section 24v



300.725001 Amber 4 Rotators with Illuminated Centre Section 12v  
300.725002 Amber 4 Rotators with Illuminated Centre Section 24v



## Vision Alert 60 Series Lightbars

570mm / 22"

Part number

300.600AA01 Amber 2 Rotators 12v  
300.600AA02 Amber 2 Rotators 24v



300.6A0AA00 10-48V Amber 2 Xenon Quad Flash



742mm / 29"

Part number

300.6023A01 Amber 2 Rotators with Illuminated Centre Section 12v  
300.6023A02 Amber 2 Rotators with Illuminated Centre Section 24v



300.6A23A01 10-48V Amber 2 Xenon Quad Flash with Illuminated Centre Section 12v  
300.6A23A02 10-48V Amber 2 Xenon Quad Flash with Illuminated Centre Section 24v





## Vision Alert 60 Series Lightbars

1212mm / 48"

Part number

300.6043A01 Amber 2 Rotators with Illuminated Centre Section 12v  
300.6043A02 Amber 2 Rotators with Illuminated Centre Section 24v



1524mm / 60"

Part number

300.6253A01ACAA Amber 4 Rotators, Stop/Tail/Indicator with Illuminated Centre Section 12v  
300.6253A02ACAA Amber 4 Rotators, Stop/Tail/Indicator with Illuminated Centre Section 24v



## Delta Design Lightbars

### Delta Design Xenergy

Double Flash End Strobes  
Low Power Consumption  
Draw:3amp @ 12v 1.42Amp @ 24v  
ECE R65  
Height 125mm



610mm

Part number

325.490001 12-24V Amber 2 Xenon Double Flash all Amber Lens



860mm

Part number

325.490011 12-24V Amber 2 Xenon Double Flash all Amber Lens



1110mm

Part number

325.490027 12-24V Amber 2 Xenon Double Flash & 2 Direction Front & Rear Strobe



2.129

## Britax Lightbars

### Britax Aerolite Series

520mm / 20.5"

Part number

305.A620200012v Amber 2 Rotators all Amber Lens 12v  
305.A620200024v Amber 2 Rotators all Amber Lens 24v



750-770mm / 29.5-30"

Part number

305.A621220012v Amber 2 Rotators with Illuminated Centre Section 12v  
305.A621220024v Amber 2 Rotators with Illuminated Centre Section 24v



1000mm / 39"

Part number

305.A624220012v Amber 2 Rotators with Illuminated Centre Section 12v  
305.A624220024v Amber 2 Rotators with Illuminated Centre Section 24v



305.A634220012v 10-32V Amber 2 Xenon Double Flash with Illuminated Centre Section 12v  
305.A634220024v 10-32V Amber 2 Xenon Double Flash with Illuminated Centre Section 24v



1250mm / 49.2"

Part number

305.A626220012v Amber 2 Rotators with Illuminated Centre Section 12v  
305.A626220024v Amber 2 Rotators with Illuminated Centre Section 24v



305.A625420012v Amber 4 Rotators with Illuminated Centre Section 12v  
305.A625420024v Amber 4 Rotators with Illuminated Centre Section 24v



305.A636220012v 10-32V Amber 2 Xenon Double Flash with Illuminated Centre Section 12v  
305.A636220024v 10-32V Amber 2 Xenon Double Flash with Illuminated Centre Section 24v

305.A635420012v 10-32v Amber 4 Xenon Double Flash with Illuminated Centre Section 12v  
305.A635420024v 10-32v Amber 4 Xenon Double Flash with Illuminated Centre Section 24v



1500mm / 60"

Part number

305.A627420012v Amber 4 Rotators with Illuminated Centre Section 12v  
305.A627420024v Amber 4 Rotators with Illuminated Centre Section 24v



2.130

## Lightbar Spares

### Vision Alert 70 Series

	Rotating / Xenon Module	Drive Belt	Lens	Centre Section	Grey/Amber Baffle	Grey End Base Clip
<b>400mm/16"</b>						
300.701001/2	300.999558	300.945035	300.910097	N/A	N/A	N/A
300.711001/2	300.999558	300.945035	300.910097	N/A	N/A	N/A
<b>570mm/22"</b>						
300.700001	300.999558	300.945035	300.910009	N/A	N/A	300.910491
300.710000			300.910009	N/A	N/A	300.910491
<b>740mm/29"</b>						
300.702000	300.999558	300.945035			300.910580	300.910491
<b>1000mm/39"</b>						
300.703001	300.999558	300.945035	300.910009254E	300.910184480CF	300.910580	300.910491
300.700004	300.999558	300.945035	300.910009254E	300.910184480CF	300.910580	300.910491
300.713001	300.999662	N/A	300.910009254E	300.910184480CF	300.910580	300.910491
<b>1212mm/48"</b>						
300.704001	300.999558	300.945035	300.910184480CF	300.910184480CF	300.910580	300.910491
300.700004	300.999558	300.945035	300.910184480CF	300.910184480CF	300.910580	300.910491
300.714001	300.999662	N/A	300.910184480CF	300.910184480CF	300.910580	300.910491
300.724001	300.999558	300.945035	300.910009516E	300.910009168C	300.910580	300.910491
300.734000	300.999662	N/A	300.910009516E	300.910009168C	300.999875	300.910491
<b>1524mm/60"</b>						
300.705001	300.999558	300.945035	300.910184480CF	300.910184480CF	300.910580	300.910491
300.725001	300.999558	300.945035	300.910184480CF	300.910184480CF	300.910580	300.910491

### Vision Alert 60 Series

	Rotating / Xenon Module	Drive Belt	Lens	Centre Section	Grey/Amber Baffle	Grey End Base Clip
<b>400mm/16"</b>						
300.601AA01	300.999557	300.945035	300.910381	N/A	N/A	N/A
300.611AA00	300.999293	N/A	300.910381	N/A	N/A	N/A
<b>570mm/22"</b>						
300.600AA01	300.999557		300.910298	N/A	N/A	300.910491
300.6A0AA00	300.999293		300.910298	N/A	N/A	300.910491
<b>740mm/29"</b>						
300.6023A01	300.999557		300.910298233E	300.910293270CF	300.910271	300.910491
300.6A23A01	300.999293		300.910298233E	300.910293270CF	300.910271	300.910491
<b>1000mm/39"</b>						
300.600A01	300.999557		300.910298257E	300.910184480CF	300.910271	300.910491
<b>1212mm/48"</b>						
300.6043A01	300.999557		300.910298363E	300.910009168C	300.910271	300.910491
300.6240A01	300.999557		300.910298519E	300.910009168C	300.910270	300.910491
<b>1524mm/60"</b>						
300.6253A01ACCA	300.999557		300.910298519E	300.910184480CF	300.910271	300.910491
300.6053A01	300.999557		300.910298519E	300.910184480CF	300.910271	300.910491

## Lightbar Spares

### Britax Aerolite Series

	Rotating / Xenon Module	Drive Belt	Lens	Centre Section	Bridge Piece	Bulb Clip
<b>420mm/16"</b>						
305.A42100	305.1355104	305.15214	305.1854500	N/A	N/A	305.27031
305.A42400	305.1355104	305.15214	305.1854500	N/A	N/A	305.27031
305.A43100	305.1300200	N/A	305.1854500	N/A	N/A	N/A
305.A43400	305.1300200	N/A	305.1854500	N/A	N/A	N/A
<b>520mm/20.5"</b>						
305.A6202000	305.1355104	305.15214	305.1051922	N/A	305.1234310	305.27031
<b>750mm/29.5"</b>						
305.A6212200	305.1355104	305.15214	305.1051922	N/A	305.1234310	305.27031
<b>1000mm/39"</b>						
305.A6242200	305.1355104	305.15214	305.1051922	305.1234502	305.1234310	305.27031
305.A6342200	305.1300200	N/A	305.1051923	305.1234502	N/A	305.27031
<b>1250mm/49.2"</b>						
305.A6262200	305.1355104	305.15214	305.1051922	305.1234501	305.1234310	305.27031
305.A6254200	305.1355104	305.15214	305.1051922	305.1234502	305.1234310	305.27031
305.A6362200	305.1300200	N/A	305.1051923	305.1234502	N/A	305.27031
305.A6354200	305.1300200	N/A	305.1051823	305.1234502	N/A	305.27031
<b>1500mm/60"</b>						
305.A6274200	305.1355104	305.15214	300.910298519E	305.1234501	305.1234310	305.27031



## 9500 PRODUCTS ONE PROMISE

Dun-Bri will price match any UK automotive lighting manufacturer\*

\*Conditions apply, ask for details



## Dun-Bri Switch Units

- 2 year warranty on all switch units
- Solid state switching with circuit integrated micro-relays
- Choice of 2 and 6-way switching units as well as programmable tri-mode 6-way switch unit
- 6-way models supplied with a set of legends for full customisation during installation
- Legends and keys featuring back lighting
- All feature captive block termination technology to ensure reliable power connections both in and out
- Replacement parts available from within the UK



### 2-Way Switch Unit



#### Part number

311.PCS212V	Functions: ON/OFF Latching Switch MODE Momentary Switch Rating: 10A on ON/OFF Switch
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### 6-Way Switch Units

#### Part number

311.PCS612V	Functions: 6 x ON/OFF Latching Switch Rating: 15A per Switch
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311.PCS612V	Functions: 6 x Programmable ON/OFF Latching Switches 3 x Programmable Mode Select Switches 1 x Momentary Switch (+VDC output) 1 x Black Lighting Dimming Function Rating: 2A output per Switch
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## Sirens

### Siren Amplifier Kit

1000 Series  
Voice record / playback  
Wail, yelp and hi-lo tones, user selectable  
Public address - volume control and microphone  
8 x lighting control relays - user configurable  
Over voltage, over temperature and polarity protected  
Can be configured for Air horn or phase tones  
60 watt or 100 watt output  
Soft start siren  
Radio re-broadcast  
Manual Wail

12V	24V	
300.385026	300.385027	Full Kit (includes all components listed below)
300.385028	300.385029	AMP
300.385030	300.385030	SLIC Control Pad
300.385031	300.385031	Loom
300.385032	300.385032	Microphone

#### Part number

300.385003	VA 150 Siren Hi-lo, wail, yelp & Public Address microphone 12v
------------	---

300.385010	100W Speaker, 11 Ohms impedance
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300.385033	Bumper Speaker, 100W Speaker 128dB under bumper
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300.385034	Speaker, Flat speaker for up to 100W siren amp
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## Interior Lights



### Microlux and Superlux

IP67, Super bright power LEDs, Low energy consumption, Ultra slim profile, 100,000 hours life expectancy, Surface mount.

Part number		391.089 Micro	391.089H Superlux
Manufacturers No.		SI3 2-1	SI3 2-3MV
Supply Voltage	Vdc	12 - 24	12 - 24
Voltage Range	Vdc	10 - 32	10 - 32
Average Current	A	12v = 0.22A 24v = 0.12A	12v = 0.88A 24v = 0.44A
LED's	W	2 x 1.25W = 25W	2 x 2.5 = 5W
Lumens	Lm	200	340
Weight	Kg	0.165	0.165
Temp' Range	°C	-30 to +40	
Dimensions	mm	128 x 100 x 15	



### Powerlux and Hyperlux

IP67, Super bright power LEDs, Low energy consumption, Ultra slim profile, 100,000 hours life expectancy, Surface mount.

Part number		391.056 Powerlux	391.056H Hyperlux
Manufacturers No.		SI3 5-1	SI3 5-3 MV
Supply Voltage	Vdc	12 - 24	12 - 24
Voltage Range	Vdc	10 - 32	10 - 32
Average Current	A	12v = 0.67A 24v = 0.32A	12v = 1.25A 24v = 0.6A
LED's	W	5 x 1.25W = 6.25W	5 x 3W = 15W
Lux @ 1m	Lux	275	464
Lumens	Lm	500	874
Temp' Range	°C	-30 to +40	
Dimensions	mm	298 x 100 x 15	



### Powerlux PIR

IP67, Super bright LEDs, Low energy consumption, PIR sensor with 5 minute switch off timer, 3-4m sensor spread.

Part number		391.056PIR
Manufacturers No.		SI3 5-1MVPIR
Supply Voltage	Vdc	12 - 24
Average Current	A	12v = 0.67A 24v = 0.32A
LED's	W	5 x 1.25W = 6.25W
Lumens	Lm	500
Weight	Kg	0.46
Temp' Range	°C	-30 to +40
Dimensions	mm	398 x 100 x 15



### Megalux

High output LED True White 850 Lumens @ 10W, 70% less energy than halogen, Low profile design, 90,000 hours life, IP66 - Rugged weatherproof design, cast aluminium base.

Part number		391.PD141MV	391.PD143MV
Manufacturers No.		PD1-4.1	PD1-4.3
Supply Voltage	Vdc	10 - 32	10 - 32
Average Current	A	0.42	0.84
LED's		4 x 1.25W	4 x 2.5W
Lumens	Lm	488	850
Weight	Kg	0.15	0.15
Temp' Range	°C	-25 to +40	-25 to +40
Dimensions	mm	Ø 132 x 13.5	



## Interior Lights

### Omega

Unique design to work with the Omega style roof strut which is common amongst many of the dry freight commercial vehicles. Excellent light distribution. 60% power saving. Long life CREE LED's.

Part number		391.MX3	391.MX3/2
Manufacturers No.		MX3	MX3/2
Supply Voltage	Vdc	12	24
Average Current	A	0.33	0.16
LED's	W	6 x 0.5	6 x 0.5
Lumens	Lm	280	280
Weight	Kg	0.83	0.83
Temp' Range	°C	-30 to +40	-30 to +40
Dimensions	mm	295 x 60 x 12.65	



### Recessed Frigospot

IP66, High light output, Works effectively at -30°C (HLCF & HLCLED), HLCF uses 10w bulb to preheat before fluorescents come on. Ultra long life, Virtually unbreakable.

Part number		391.HLC11	391.HLC11/2	391.060	391.HLCF11/2	391.HLCLED5-1/2
Manufacturers No.		HLC11	HLC11/2	HLCF11	HLCF11/2	HLCLED5-1/2
Supply Voltage	Vdc	12	24	12	24	24
Voltage Range	Vdc	10 - 15	20 - 32	10 - 15	20 - 32	20 - 32
Average Current	A	0.95	0.46	1.3/0.9	0.65/0.46	0.35
Frequency	KHz	20		20		N/A
Tube Watts	W	11		11		5 x 1.25 = 6.25
Lumens	Lm	890		890		TBC
Weight	Kg	0.54		0.54		0.46
Temp' Range	°C	-10 to +40		-30 to +40		-30 to +40
Tube		110.14		110.14		
Dimensions	mm			Ø 169		



### Polaris Series

IP66, High light output HLF uses 10w bulb to preheat before fluorescents come on, HLF18/2 for refrigerated vehicles, HLF18/LT/2 with surge protection upto 42V, Ultra long life, Virtually unbreakable, Recessed

Part number		391.HL11	391.HL11/2	391.HL18	391.HL18/2	391.HLF18/2	391.HLF18/LT/2
Manufacturers No.		HL11XT	HL11/2XT	HL18	HL18/2	HLF18/2	HLF18/LT/2
Supply Voltage	Vdc	12	24	12	24	24	24
Voltage Range	Vdc	10 - 15	20 - 32	10 - 15	20 - 32	20 - 32	20 - 32
Average Current	A	1.0	0.5	1.2	0.6	0.6	0.6
Frequency	KHz	20		20		20	
Tube Watts	W	11		14		14	
Lumens	Lm	890		1350		1350	
Weight	Kg	0.66		1.32		1.32	
Temp' Range	°C	-10 to +40		-10 to +40		-30 to +40	
Tube		110.PL11		110.17		110.17	
Dimensions	mm	376 x 50 x 39.5		715 x 50 x 39.5			



## Interior Lights



### Flushline Series

The CX LED light unit designed as the LED solution for Ambulances in the UK and Europe. Low current draw, High intensity LED, Light can be dimmed to 50% brightness. Comes with blue trama light strip that can be independently stripped. No interference is generated that could interfere with sensitive onboard equipment.

Part number	391.CXLED3605D	391.CXLED63
Manufacturers No.	CXLED36-0.5D	CXLED6-3
Supply Voltage Vdc	10 - 15	10 - 35
Average Current A	1.98A	12V 1.5A / 24A = 0.75A
LED's	18W + 3.3W for trauma	6 x 2.5W = 15W
Lumens Lm	972	>1050
Weight Kg	1.73	0.68
Temp' Range °C		-20 to +40
Dimensions mm		114 x 120 x 41.5

### T5 Batten Lights

Excellent light output, Low energy consumption, Tough construction, Integrated rocker switch, Increased life expectancy with XT Circuit, Surface mount

Part number	391.078	391.BL8LSXT/2	391.BL13LXT	391.BL13/2LXT
Manufacturers No.	BL8	BL8/2	BL13	BL13/2
Supply Voltage Vdc	12	24	12	24
Voltage Range Vdc	10 - 15	20 - 32	10 - 15	20 - 32
Average Current A	0.7	0.35	1.41	0.57
Frequency KHz		20		20
Tube Watts W		8		13
Lumens Lm		400		800
Weight Kg		0.29		0.44
Temp' Range °C		-10 to +40		-10 to +40
Tube		110.12A		110.13
Dimensions mm		343 x 35 x 49		573 x 35 x 49

### Astro

IP66, Light output equivalent to 10W halogen, Ultra versatile, Simple & easy to install

Part number	391.LL2CW500	391.LL2CW500/2
Manufacturers No.	LL2	LL2/2
Supply Voltage Vdc	12	24
Voltage Range Vdc	10 - 16	20 - 32
Average Current A	0.18	0.09
LED's W		192
Lumens Lm		35
Weight Kg		0.14
Temp' Range °C		-30 to +40
Dimensions mm		592 x 43 x 30

### Orizon

IP66, Light output equivalent to 10W halogen, Ultra versatile, Simple & easy to install

Part number	391.LEDCW500PVI	391.LEDCW500PVI/2	391.LEDCW1000PVI	391.LEDCW1000PVI/2
Manufacturers No.	LEDCW500PVI	LEDCW500PVI/2	LEDCW1000PVI	LEDCW1000PVI/2
Supply Voltage Vdc	12	24	12	24
Voltage Range Vdc	10 - 16	20 - 32	10 - 16	20 - 32
Average Current A	0.18	0.09	0.36	0.18
LED's W		2.2		4.4
Lumens Lm		192		384
Weight Kg		0.14		0.26
Temp' Range °C		-30 to +40		-30 to +40
Dimensions mm		500 x 18 x 11		1000 x 18 x 11

## Interior Lights

### Power Orizon

Long Life CREE power LED's, Linear wash of light, 87% more efficient than halogen, Waterproof to IP66.

Part number	391.LEDCW605	391.LEDCW605/2	391.LEDCW1205	391.LEDCW1205/2
Manufacturers No.	LEDCW6-0.5	LEDCW6-0.5/2	LEDCW12-0.5	LEDCW12-0.5/2
Supply Voltage Vdc	12	24	12	24
Average Current A	0.33	0.16	0.66	0.33
LED's W	6 x 0.5	6 x 0.5	12 x 0.5	12 x 0.5
Lumens Lm	280	280	560	560
Weight Kg	0.05	0.05	0.1	0.1
Temp' Range °C	-30 to +40	-30 to +40	-30 to +40	-30 to +40
Dimensions mm		272 x 18 x 11		522 x 18 x 11



### Mini Orizon

Long Life CREE power LED's.

Part number	391.LEDCW25024
Manufacturers No.	LEDCW250-24
Supply Voltage Vdc	12v
Voltage Range Vdc	10-14
Average Current A	0.22
Light Output Lm	192
LED Power W	2.2
Temp' Range °C	-30 to +40
Dimensions mm	252 x 18 x 11



### Apollo

High concentration of LED's. Power LED versions.

Part number	391.SVCW25024NS	391.SVCW50048	391.SVCW100096	391.SVCW605
Manufacturers No.	SVCW250-24-12V	SVCW500-48	SVCW1000-96	SVCW6-05
Supply Voltage Vdc	12	12	12	12
Average Current A	0.2	0.4	0.8	0.33
LED's W	2.8	5.5	11	3
Lumens Lm	>190	>380	>760	>270
Weight Kg	0.1	0.15	0.2	0.1
Temp' Range °C	-30 to +40	-30 to +40	-30 to +40	-30 to +40
Dimensions mm	360 x 37 x 16	610 x 37 x 16	1110 x 37 x 16	350 x 37 x 16



### Apollo Switched

High concentration of LED's switched.

Part number	391.SVCW25024S	391.SVCW50048S	391.SVCW100096S	391.SVCW605S
Manufacturers No.	SVCW250-24S	SVCW500-48S	SVCW1000-96S	SVCW6-0.5S
Supply Voltage Vdc	12	12	12	12
Average Current A	0.18	0.36	0.72	0.33
LED's W	2.2	4.4	8.8	3
Lumens Lm	>190	>380	>760	>270
Weight Kg	0.1	0.15	0.2	0.1
Temp' Range °C	-30 to +40	-30 to +40	-30 to +40	-30 to +40
Dimensions mm	360 x 37 x 16	610 x 37 x 16	1110 x 37 x 16	350 x 37 x 16



### 125 Series

Part number	320.125
Manufacturers No.	PL.125.S.02
Supply Voltage Vdc	10-30v
Average Current A	1.06 @12v/0.51 @24v
LED's W	2.2
Lumens Lm	1100
Temp' Range °C	-30 to +40
Dimensions mm	250 x 100 x 21



## Interior Lights

### Nebula

IP66, Light output equivalent to 10W halogen, Ultra versatile, Simple & easy to install.

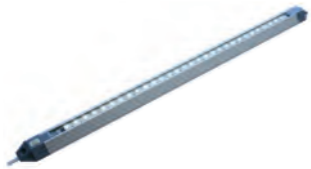
Part number	391.SI5CW500	391.SI5CW500/2	391.SI5CW1000	391.SI5CW1000/2
Manufacturers No.	SI5CW500	SI5CW500/2	SI5CW1000	SI5CW1000/2
Supply Voltage	Vdc 12	24	12	24
Voltage Range	Vdc 10 - 16	20 - 32	10 - 16	20 - 32
Average Current	A 0.18	0.09	0.36	0.18
LED's	W 2.2		4.4	
Lux @ 1m	Lux 35		TBC	
Weight	Kg 0.14		0.26	
Temp' Range	°C -30 to +40		-30 to +40	
Dimensions	mm 625 x 44 x 15		1105.5 x 44 x 15	



### Switched Nebula

IP66, Light output equivalent to 10W halogen, Ultra versatile, Simple & easy to install.

Part number	391.SI5CW500S	391.SI5CW500/2S	391.SI5CW1000S	391.SI5CW1000/2S
Manufacturers No.	SI5CW500S	SI5CW500/2S	SI5CW1000S	SI5CW1000/2S
Supply Voltage	Vdc 12	24	12	24
Average Current	A 0.18	0.09	0.36	0.18
LED's	W 2.2	2.2	4.4	4.4
Lumens	Lm 280	280	560	560
Weight	Kg 0.14	0.14	0.26	0.26
Temp' Range	°C -30 to +40	-30 to +40	-30 to +40	-30 to +40
Dimensions	mm 624 x 44 x 15		1123.5 x 44 x 15	



### Power Nebula

IP68, Long life CREE power LED's, Switches and unswitched options.

Part number	391.SI5605/12	391.SI5605S/12	391.SI5605/24	391.SI5605S/24
Manufacturers No.	SI5_6-0.5	SI5_6-0.5 S Switched	SI5_6-0.5/2	SI5_6-0.5/2S Switched
Supply Voltage	Vdc 12	24	12	24
Average Current	A 0.33	0.16	0.33	0.16
LED's	W 6 x 0.5	6 x 0.5	6 x 0.5	6 x 0.5
Lumens	Lm >180	>180	>180	>180
Weight	Kg 0.22	0.22	0.22	0.22
Temp' Range	°C -30 to +40	-30 to +40	-30 to +40	-30 to +40
Dimensions	mm 367 x 44 x 15			



## Interior Lights

### Trilite Series

Up to 3 x 8W Tubes. Low energy consumption, Low profile, Integrated rocker switch, Surface mount.

Part number	391.KL16	391.JL16/2/24V
Manufacturers No.	KL16	KL16/2
Supply Voltage	Vdc 12	24
Voltage Range	Vdc 10 - 15	20 - 32
Average Current	A 0.67	0.4
Frequency	KHz 31	
Tube Watts	W 16	
Lumens	Lm 600	
Weight	Kg 0.31	
Temp' Range	°C -10 to +40	
Tube	100.12A	
Dimensions	mm 367 x 106 x 24	



### Nordic Series

Slim low profile fitting, Integrated on/off push switch, Surface mount. Simple & easy to install.

Part number	391.030	391.031	391.032	391.033
Manufacturers No.	DL9K	DL9/2	DL14K	DL14/2
Supply Voltage	Vdc 12	24	12	24
Voltage Range	Vdc 10 - 15	20 - 32	10 - 15	20 - 32
Average Current	A 1.0	0.5	1.2	0.8
Frequency	KHz 20		25	
Tube Watts	W 11		13	
Lumens	Lm 400		800	
Weight	Kg 0.18		0.26	
Temp' Range	°C -10 to +40		-10 to +40	
Tube	100.12A		110.13	
Dimensions	mm 353 x 58 x 29		582 x 38 x 29	



### Linear Series (DX)

Low energy consumption, Low profile (24mm), Tough polycarbonate lens, Surface mount.

Part number	391.020	391.021
Manufacturers No.	DX8	DX16
Supply Voltage	Vdc 12	12
Voltage Range	Vdc 10 - 15	10 - 15
Average Current	A 0.45	0.67
Frequency	KHz 40	31
Tube Watts	W 8	2 x 8
Lumens	Lm 350	600
Weight	Kg 0.28	0.31
Temp' Range	°C -10 to +40	-10 to +40
Tube	110.12A	
Dimensions	mm 381 x 78 x 24	



## Interior Lights

### Alexa

IP66, 20W halogen bulb, Standard fit, Tough polycarbonate lens, Recessed.



Part number	391.A120/12V	391.A120/2
Manufacturers No.	A120	A120/2
Supply Voltage	Vdc 12	24
Voltage Range	Vdc 10 - 15	20 - 32
Average Current	A 1.7	0.85
LED's	W 20	
Lumens	Lm 300	
Weight	Kg 0.38	
Temp' Range	°C -30 to +40	
Bulb	100.434A	100.M88
Dimensions	mm	Ø 169

### Cargo Light

Available with grill supplied without bulb, polycarbonate lens (391.001A & 391.002A are glass lenses). Surface mount.



Part number	391.001	391.001A	391.002	391.002A
Manufacturers No.	RL59	RL65	RL59G	RL65G
Grill			Grill	Grill
Supply Voltage	Vdc	12/24		
Voltage Range	Vdc	10 - 14 / 20 - 32		
Average Current	A	12v 1.75 / 24v 0.88		
Bulb Watts	A	21		
Temp' Range	°C	-10 to +40		
Bulb		12v 100.382 / 24v 100.241		
Dimensions	mm	Ø 174 x 58		

### Squarelight (NX)

Super bright light, Low energy consumption, Compact low profile, Integrated rocker switch. Surface mount.



Part number	391.NX16XT	391.NX16XT/2
Manufacturers No.	NX16XT	NX16/2XT
Supply Voltage	Vdc 12	24
Voltage Range	Vdc 10 - 15	20 - 32
Average Current	A 1.3	0.75
Frequency	KHz	20
Tube Watts	W	16
Lumens	Lm	1050
Weight	Kg	0.32
Temp' Range	°C	-10 to +40
Tube		110.15
Dimensions	mm	150 x 150 x 42.5

## Interior Lights

### Rectangular Interior Lamp

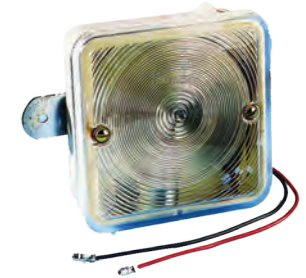
Supplied without bulb, Surface mount.



Part number	391.048	391.049	391.050
Manufacturers No.	892.00.LB	893.00.LB	894.00.LB
Switch	2 Way	3 Way	No Switch
Supply Voltage	Vdc	12/24	
Voltage Range	Vdc	10 - 15	
Bulb/Watts	W	5W 2 x 12v 100.207 / 24v 100.149 10W 2 x 12v 100.245 / 24v 100.246 21W 2 x 12v 100.382 / 24v 100.241	
Dimensions	mm	200 x 70 x 43	

### Square Interior Lamp

Supplied without bulb, Surface mount.



Part number	391.046	391.047
Manufacturers No.	707.100.LB	708.100.LB
Switch	2 Way	No Switch
Supply Voltage	Vdc	12/24
Voltage Range	Vdc	10 - 14 / 20 - 32
Average Current	A	1.75 / 0.88
Bulb/Watts	W	21
Bulb		12v 100.335 / 24v 100.346
Dimensions	mm	155 x 155 x 48

### Model 98

Supplied with 12v bulb, Surface mount.



Part number	391.052	360.9852
Manufacturers No.	98/02/00	98/52/00
Switch	2 Way	3 Way
Supply Voltage	Vdc	12 / 24
Voltage Range	Vdc	10 - 14 / 20 - 32
Average Current	A	12v 1.75 / 24v 0.88
Bulb Watts	W	21
Bulb		12v 100.382 / 24v 100.241
Dimensions	mm	200 x 70 x 45

## Interior Lights

### Opal

IP66, Low energy consumption, Surface mount.



Part number	391.015	391.016	391.017	391.018
Manufacturers No.	FX21	FX21/2	FXB ST-WH	FXA ST-WH
Supply Voltage	Vdc 12	24	Fully open trim	Half open trim
Voltage Range	Vdc 10 - 15	20 - 32		Awning
Average Current	A 1.75	0.88		
Bulb Watts	W	21		
Lumens	Lm	320		
Weight	Kg	0.16		
Temp' Range	°C	-10 to +40		
Bulb		100.382	100.241	
Dimensions	mm	220 x 115 x 62		

### Callisto LED Downlighter

Chrome Surround.  
Super bright power LED's, low energy consumption, cool to touch and recessed.



Part number	391.LD101BCMV
	Internal Use Only
Manufacturers No.	LD101BCMV
Supply Voltage	Vdc 10 - 32V
Voltage Range	Vdc 10.14
Average Current	A 12v = 0.10 / 24v = 0.07
LED Watts	W 1.25
Lux	Lux 40
Temp' Range	°C -30 to +40
Dimensions	mm Ø 38 x 10

### Callisto LED Downlighter

Low energy consumption, cool to touch and recessed.  
Supplied without Bezel. Order Bezel with the lamp.



Part number	391.LD102B6	391.LD102B6/2	391.LD102B12WR	391.LD102B12WR/2	391.LD102B12WB	391.LD102B13WB/2
Manufacturers No.	LD102B6	LD102B6/2	LD102B12WR	LD102B12WR/2	LD102B12WB	LD102B12WB/2
LED Colours	6 White	6 White	6 White / 6 Red	6 White / 6 Red	6 White / 6 Blue	6 White / 6 Blue
Supply Voltage	Vdc 12	24	12	24	12	24
Average Current	A 0.34	0.017	0.34	0.017	0.34	0.017
LED Watts	W 0.4	0.4	0.4	0.4	0.4	0.4
Lux	Lux 11	11	11	11	11	11
Temp' Range	°C -30 to +40	-30 to +40	-30 to +40	-30 to +40	-30 to +40	-30 to +40
Available Coloured Surrounds	391.CALBL	391.CALWH	391.CALBRA	391.CALCH		

## Interior Lights

### LED Lockerlite (LK)

No wiring, Easy installation, Batteries included, Lasts a lifetime



Part number	391.LK1-BK
Manufacturers No.	LK1 - Black
Supply Voltage	Vdc 6 (2x 3V CR2025)
Weight	Kg 0.02
Temp' Range	°C -10 to +40

### Spot LED

Flexible spotlight/map light, 1 white LED, 120mm cable



Part number	365.2JA343720011	365.2JA343720111
Manufacturers No.	2JA 343 720-011	2JA 343 720-111
Flexible Adj Arm	150mm	400mm
Supply Voltage	Vdc 12 / 24	
Voltage Range	Vdc 20 - 32	
Average Current	A 12v = 0.2A / 24v = 0.12A	
LED	W 12v = 2.5 / 24v = 3	
Dimensions	mm 150 - 400 Arm	

### The '30' Minute Timer Switch (TSWP30)

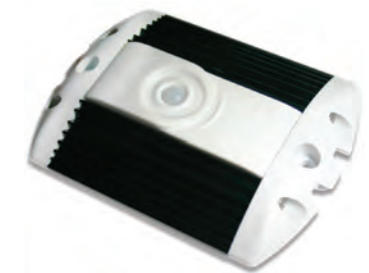
Voltage range 10 to 15 Volts D.C.  
Temperature range -10 to +40 °C  
Timer accuracy is within 10% between temperature/voltage  
Maximum switching current 10A  
During Timing 0.02A  
Max standby current 0.002A



Part number		
391.TSWP30	12v Timer Switch	30mm
391.TSWP/30/2	24v Timer Switch	30mm
391.TSWP20	12v Timer Switch	20mm
391.TSWP/20/2	24v Timer Switch	20mm

### PIR Sensor

3 metre range  
12v and 24v versions  
+40 to -30 °C temperature range  
3A load  
IP67 option coming soon

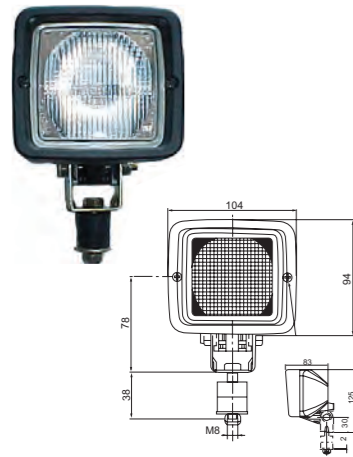


The PIR Timer Switch works seamlessly with any lighting system and features the latest PIR sensor technology that will detect movement and temperature changes, and active the interior lighting system. It incorporates a 5 minute timer that will activate once the sensor stops detecting movement; it will then turn off the lights avoiding flat batteries and unnecessary use of the lights. The sensor unit has been developed to only detect human or significant passive movement like door opening; it will not be triggered with movement of the load whilst the vehicle is in motion. The sensor can be situated on the wall or ceiling and does not require any physical interaction; therefore it is unlikely to get damaged by workers or the load being carried.

Part number	
391.T55WP	12v 5 Min PIR Timer
391.TS5WP/2	24v 5 Min PIR Timer



## Work Lamps



### 500 Series

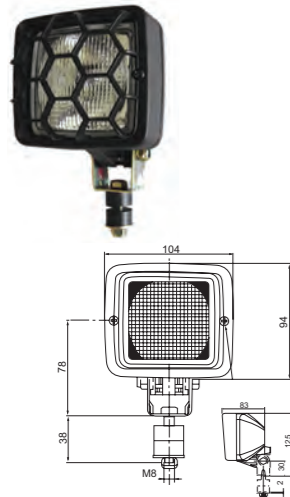
Used by Caterpillar, JCB & Volvo

#### Part number

<b>340.ABL500CS</b>	Compression seal IP67 Rated
<b>340.ABL500H3A</b>	AMP 6.35 Blade Terminals
<b>340.ABL500H3D</b>	Integrated Deutsch Connector
<b>340.ABL500H3G</b>	Internal 6.35mm Blade Terminals and Grommet

Directional Work lamp with Dual Axis Swivel Base & low centre of gravity for improved stability  
Fibreglass Charged Plastic Housing  
Hardened Glass and Bonded Lens  
Aluminized Aluminum Reflector with ACTIVE OPTICS TECHNOLOGY  
Pendant or Pedestal Mounting with stability inserts  
H3 12v 55w or 24v 70w Bulb not included  
2 Screw fix for easy bulb access

<b>542.500D</b>	Deutsch Connector with 500mm Cable
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### 500 Series

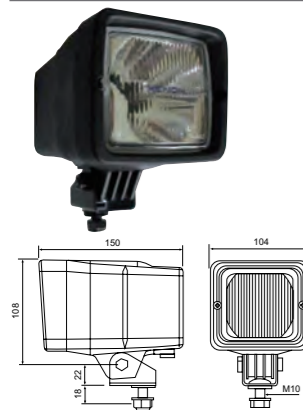
Used by Johnston Sweepers

#### Part number

<b>340.ABL500H3D/12V</b>	Integrated Deutsch Connector
<b>340.ABL500H3D/24V</b>	Integrated Deutsch Connector
<b>340.ABL500H3CS</b>	Compression seal IP67 Rated

Directional Work lamp with Dual Axis Swivel Base & low centre of gravity for improved stability  
Fibreglass Charged Plastic Housing  
Hardened Glass and Bonded Lens  
Aluminized Aluminum Reflector with ACTIVE OPTICS TECHNOLOGY  
Pendant or Pedestal Mounting with stability inserts  
H3 12v 55w or 24v 70w Bulb (not included in the 340.ABL500H3CS)  
2 Screw fix for easy bulb access  
High Impact Grill

<b>542.500D</b>	Deutsch Connector with 500mm Cable
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### 500 XEI Series

#### Part number

<b>340.ABL500XEI/12V</b>	Compression seal IP68 Rated with pre-wired lead
<b>340.ABL500XEI/24V</b>	Compression seal IP68 Rated with pre-wired lead

Xenon Worklight with Internal Ballast  
Fibreglass Charged Plastic Housing  
Hardened Glass and Bonded Lens  
Aluminized Aluminum Reflector with ACTIVE OPTICS TECHNOLOGY  
Pendant or Pedestal Mounting with stability inserts  
Bulb 35W D1S Xenon 12 or 24V  
DT Connector available



### 1130 Series

Used by IH Case & Caterpillar

#### Part number

<b>340.ABL1130H3</b>	Internal 6.35mm Blade Terminals and Grommet
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Directional Work lamp with Dual Axis Swivel Base  
Plastic Housing  
Glass and Bonded Lens  
Varnished Aluminized Steel Reflector  
Pendant or Pedestal Mounting with Rubber Dampener  
H3 12V 55W or 24V 70W Bulb (not included)

## Work Lamps

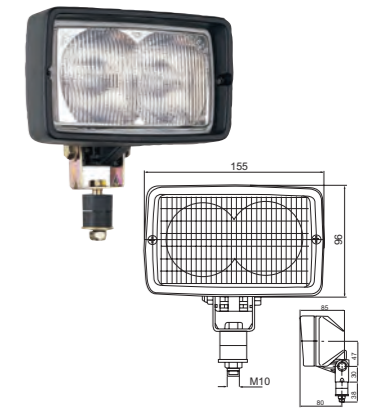
### 1530 Series

Used by IH Case & Caterpillar

#### Part number

<b>340.ABL1530</b>	Internal 6.35mm Blade Terminals and Grommet
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Dual Cavity Work lamp with Dual Axis Swivel Base  
Plastic Housing  
Glass and Bonded Lens  
Varnished Aluminized Steel Reflector  
Pendant or Pedestal Mounting with Rubber Dampener  
H3 12V 55W or 24V 70W Bulb (not included)



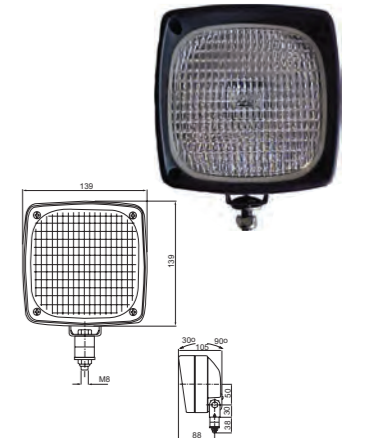
### 2500 Series

Used by J. Deere, Caterpillar, Forestry & Sisi

#### Part number

<b>340.ABL2500H3</b>	Internal 6.35mm Blade Terminals and Grommet
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Directional Work lamp with Dual Axis Swivel Base  
Plastic Housing  
Glass and Bonded Lens  
Varnished Aluminized Steel Reflector  
Pendant, Pedestal or Lateral Mounting with Rubber Dampener  
H3 12V 55W or 24V 70W Bulb (not included) Can use H3 100w



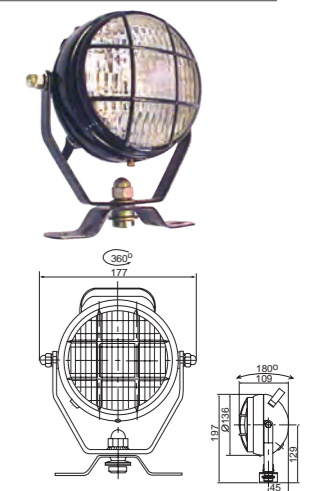
### 424 Series

Used by Caterpillar, Saxby, Fewick, RVI & Acmat

#### Part number

<b>340.ABL424MH3</b>	Internal 6.35mm Blade Terminals and Grommet
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Multi-directional Work lamp with On/Off Switch  
Lacquered Steel Housing with built in handle  
Glass and Bonded Lens  
Varnished Aluminized Steel Reflector  
Pendant, Pedestal or Bracket  
H3 12V 55W or 24V 70W Bulb (not included)



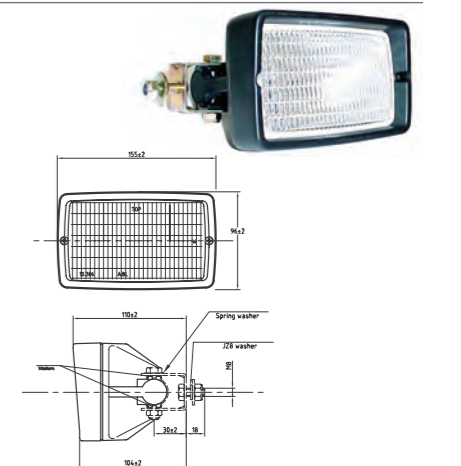
### 1140 Series

Used by J. Deere, JCB, IH Case New Holland

#### Part number

<b>340.ABL1140H3</b>	Internal 6.35mm Blade Terminals and Grommet
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Lateral Mounting Work lamp  
Plastic Housing  
Glass and Bonded Lens  
Varnished Aluminized Steel Reflector  
Pendant Bracket  
H3 12V 55W or 24V 70W Bulb (not included)



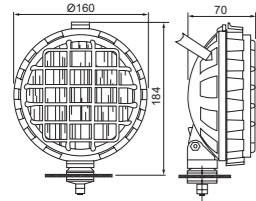
## Work Lamps



### Round Work Lamp with Grill

Supplied less bulb.

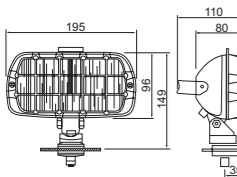
<b>Part number</b>	<b>390.327</b>	
Supply Voltage	Vdc	12/24
Bulb Watts	W	55W/70W
Connection	Grommet	
Switched	ON/OFF	
Lens	Glass	
Other	Plastic Grill	
Bulb	H3	12v 100.453/24v 100.460



### Rectangular Work Lamp with Grill

Supplied less bulb.

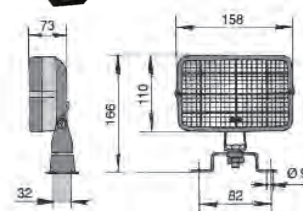
<b>Part number</b>	<b>390.328</b>	
Supply Voltage	Vdc	12/24
Bulb Watts	W	55W/70W
Connection	Grommet	
Switched	ON/OFF	
Lens	Glass	
Other	Plastic Grill	
Bulb	H3	12v 100.453/24v 100.460



### Rectangular Gridded Worklamp

Supplied less bulb.

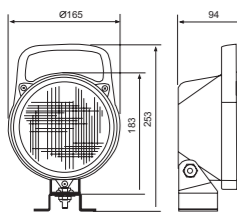
<b>Part number</b>	<b>313.90900</b>	
Supply Voltage	Vdc	12/24
Bulb Watts	W	55/70
Connection	Cable Entry	
Switched	Un-Switched	
Lens	Glass	
Bulb	H3	12v 100.453 / 24v 100.460



### Round Work Lamp

Supplied less bulb.

<b>Part number</b>	<b>390.347</b>	
Supply Voltage	Vdc	12/24
Bulb Watts	W	55W/70W
Connection	Grommet	
Switched	ON/OFF	
Lens	Glass	
Bulb	H3	12v 100.453/24v 100.460



## Work Lamps

### Square Work Lamp

Supplied less bulb.

<b>Part number</b>	<b>390.150</b>	
Supply Voltage	Vdc	12/24
Bulb Watts	W	55W/70W
Connection	Amp Connector (plug supplied)	
Switched	Unswitched	
Lens	Glass	
Bulb	H3	12v 100.453 / 24v 100.460



### Square Work Lamp

Supplied less bulb, 91 x 85mm

<b>Part number</b>	<b>305.L0700</b>	
Supply Voltage	Vdc	12/24
Bulb Watts	W	55W/70W
Connection	100m Cable	
Switched	Unswitched	
Lens	Glass	
Bulb	H3	12v 100.453 / 24v 100.460



### Square Magnetic Work Lamp

Supplied less bulb. 110 x 175mm

<b>Part number</b>	<b>390.PL2100</b>	
Supply Voltage	Vdc	12/24
Bulb Watts	W	55W/70W
Connection	2.6m Coiled Cable with Plug	
Switched	ON/OFF	
Lens	Glass	
Bulb	H3	12v 100.453 / 24v 100.460
Other	Magnetic	



### Round Magnetic Work Lamp

Supplied less bulb.

<b>Part number</b>	<b>300.999015</b>	
Supply Voltage	Vdc	12/24
Bulb Watts	W	55W/70W
Connection	2600mm Curly Lead with Universal Plug	
Switched	ON/OFF	
Lens	Polycarbonate	
Other	Magnetic	
Bulb	H3	12v 100.453/24v 100.460



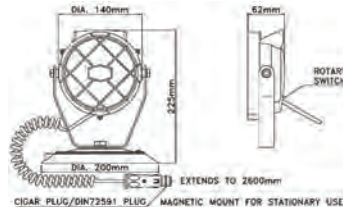
## Work Lamps



### Round Magnetic Work Lamp with Grill

Supplied less bulb.

Part number	300.999040	
Supply Voltage	Vdc	12/24
Bulb Watts	W	55W/70W
Connection	2600mm Curly Lead with Universal Plug	
Switched	ON/OFF	
Lens	Glass	
Other	Magnetic & Grill	
Bulb	H3	12v 100.453/24v 100.460



### Round Work Lamp with Rotational Joint

Supplied less bulb.

Part number	305.58200	
Supply Voltage	Vdc	12/24
Bulb Watts	W	55W/70W
Connection	Cable Entry	
Switched	ON/OFF	
Lens	Glass	
Other	Rotational Joint	
Bulb	H3	12v 100.453/24v 100.460



### Mighty Light

Supplied less bulb.

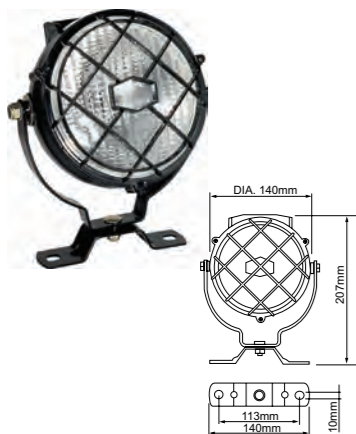
Part number	991.LM12FG	991.LM24FG	
Supply Voltage	Vdc	12V	24V
Bulb Watts	W	55W	70W
Connection	1m Cable		
Switched	ON/OFF		
Lens	Glass		
Other	Plastic Grill & 360° Ball Joint		
Bulb	H3	100.453	100.460



### Round Work Lamp with Grill

Supplied less bulb.

Part number	300.100080	
Supply Voltage	Vdc	12 / 24
Bulb Watts	W	55W/70W
Connection	Cable Entry	
Switched	ON/OFF	
Lens	Glass	
Other	Grill	
Bulb	H3	12v 100.453/24v 100.460



## Work Lamps

### Rubbolite Model 56

Supplied less bulb.

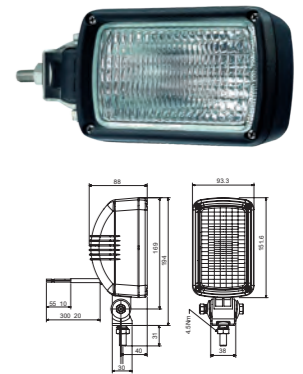
Part number	360.5601		360.5607	
Manufacturers No.	56/01		56/07	
Supply Voltage	Vdc	12 / 24	12 / 24	
Bulb Watts	W	21W	55/70W	
Connection	Cable Entry		Unswitched	
Switched	Unswitched		Glass	
Lens	Glass		Rubber Housing	
Other	Rubber Housing			
Bulb	H3	12v 100.382 / 24v 100.241	12v 100.453 / 24v 100.460	



### Rectangular Work Lamp or Spot

Can be fitted horizontal or vertical, supplied less bulb.

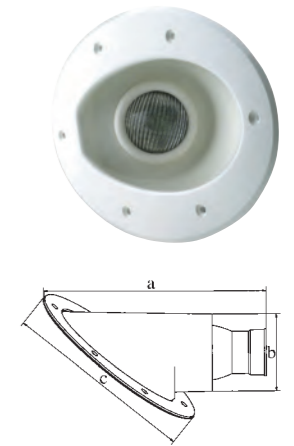
Part number	305.L2000		305.L20100	
Type	Flood		Spot	
Supply Voltage	Vdc	12 / 24	12 / 24	
Bulb Watts	W	55/70W	55/70W	
Connection	Cable Entry		Unswitched	
Switched	Unswitched		Polycarbonate	
Lens	Polycarbonate			
Bulb	H3	12v 100.453 / 24v 100.460		



### Docking Light

UV and impact resistant plastic housing, Advanced 'DE' convex lens providing wide light angle for close range illumination, Recessed.

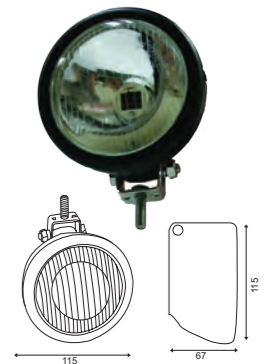
Part number	365.1NB998546811	
Manufacturers No.	1NB 998 546-811	
Supply Voltage	Vdc	24
Bulb Watts	W	70W
Switched	Unswitched	
Lens	Glass	
Bulb	H3	24v 100.460



### Round Microline Driving / Work Lamp

Supplied less bulb.

Part number	300.MICL	
Supply Voltage	Vdc	12/24
Bulb Watts	W	55W/70W
Connection	Cable Entry	
Lens	Glass	
Bulb	H3	12v 100.453/24v 100.460



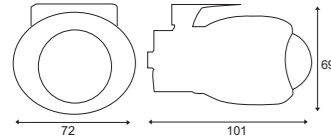
## Work Lamps



### Luminator Driving / Work Lamp Set

Supplied with two lamps and 12v bulbs.

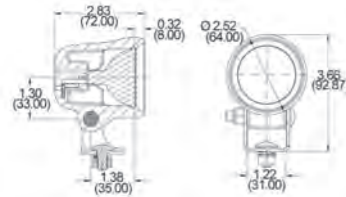
<b>Part number</b>	<b>300.332</b>	
Supply Voltage	Vdc	12/24
Bulb Watts	W	55W/70W
Connection		Cable Entry
Lens		Glass
Other		Plastic Grill
Bulb	H3	12v 100.453/24v 100.460



### 12V Round Rubber Work Lamp

12v Round Rubber Work Lamp Intergrated Deutsch Conector  
 Size: 64mm Dia. 92.9mm Height including bracket  
 Trapezium Lens  
 High Impact MR16 20w Bulb  
 Current Draw: 1.75 Amp  
 Shock Resistant. Made in the USA

<b>Part number</b>	<b>313.4100</b>	<b>12v Round Rubber Work Lamp</b>
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## LED Work Lamps

### 711 Work Lamp Series

Voltage 10-30v  
 IP67  
 Casting aluminum alloy housing  
 Working temp: -45 - 85°C  
 Long lifetime  
 High Power LED's  
 Application: SUV, agricultural, commercial vehicles and plant



### LED Worklamp Round

<b>Part number</b>	<b>711.001</b>	<b>10-30v 18w LED</b> 116 x 116 x 41mm (4") 950 Lum
	<b>711.001M</b>	<b>Magnetic Version</b>



### LED Worklamp Square

<b>Part number</b>	<b>711.002</b>	<b>10-30v 15w LED</b> 110 x 110 x 41mm (4") 800 Lum
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### LED Worklamp Square

<b>Part number</b>	<b>711.003</b>	<b>10-30v 27w LED</b> 116 x 116 x 61mm (4") 1450 Lum
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## LED Work Lamps

### LED Worklamp Round

<b>Part number</b>	<b>711.004</b>	<b>10-30v 27w LED</b> 116 x 116 x 61mm (4") 1450 Lum
	<b>711.004M</b>	<b>Magnetic Version</b>



### LED Worklamp Oval

<b>Part number</b>	<b>711.005</b>	<b>10-30v 24w LED</b> 142.5 x 120.3 x 65mm 1200 Lum
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### LED Worklamp Round

<b>Part number</b>	<b>711.006</b>	<b>10-30v 51w</b> 160 x 202 x 86mm 3600 Lum
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### LED Light Bar

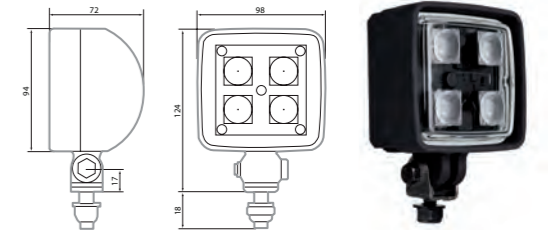
<b>Part number</b>	<b>711.007</b>	<b>10-30v 72w</b> 20.1 x 4.0 x 3.8 mm 4000 Lum
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### ABL500 LED

A lamp that is designed for tough conditions. Aluminium Housing with hardened glass lens.  
 4 High Performance LEDs. 6000K  
 IP66  
 Pedestal Mounting  
 20,000 hours lifetime  
 1,000 Lumens. In service at all levels 700 lumens

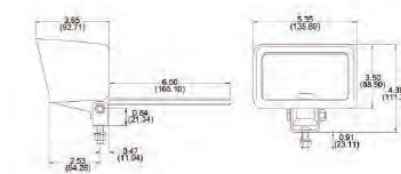
<b>Part number</b>	<b>340.ABL500LED</b>	
Supply Voltage	Vdc	10-36 Volt 20W
Connection		Fly Lead
Lens		Hardened Glass



### Rectangular LED Work Lamp

12V only  
 5w Power  
 420 Lumens  
 Not polarity sensitive for ease of installation  
 Sealed to IP67  
 UV resistant tough polycarbonate lens  
 IP67

<b>Part number</b>	<b>313.850/12v</b>	<b>12v LED Work Light</b>
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## LED Work Lamps



### LED Work Lamp

Voltage rating - 10V/32V 15W, Light output - 1050 Lumen min.  
 Light output - 6 x 2.5W high power LED. Average current 12V = 1.5A 24V = 0.75A.  
 LED life - 20,000 hrs.  
 Bonded water tight lens, the bracket allows full tilt & 360 degree rotation adjustment.  
 Thermal shock resistant.  
 Temp range -20 - + 60 degree C.

#### Part number

**391.S14** Spot Pattern  
**391.S14/FL** Flood Pattern

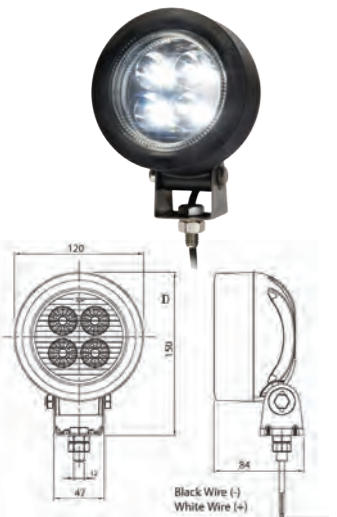


### 12V LED Round Work Lamp

Integral 2 Pin Deutsch Connector  
 Size: 66mm Dia. 94.86mm Height including bracket  
 Shock Resistant  
 Lumens: 100  
 IP67 Rated  
 Made in the USA  
 300mm Harness

#### Part number

**313.4400** 12v LED Round Work Lamp

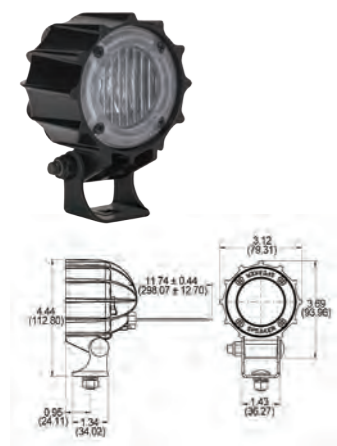


### Round LED Work Lamp

9-50V  
 LED's 4 x 3w High Powered LED at 5000-6500K colour temperature  
 Light Output: 440 Lumen  
 LED life 20,000 hours  
 Bonded water tight lens, the bracket allows full tilt and 360 degree rotation adjustment  
 Thermal shock resistant  
 Temp range -20 to +60 degree C

#### Part number

**307.RCV9590** 9-50v LED Work Lamp



### Round LED Work Lamp

Flood Beam Pattern  
 12 > 48V  
 12w Power  
 1100 Lumens  
 Die cast aluminium housing  
 Integrated Deutsch connector  
 Supplied with 300mm harness  
 Sealed to IP67  
 UV resistant tough polycarbonate lens

#### Part number

**313.4410F** 12-48v LED Work Lamp

## LED Work Lamps

### 12-48V LED Oval Flood Light Work Lamp

Integral Deutsch Connector  
 Size: 144.17 x 95.2 x 89.4mm  
 300mm Harness  
 Lumens: 500  
 UL Recognised SAE J575 Sealed, Shock and Vibration  
 Current Draw: 12v 2.0 Amp .5 Amp @ 48v  
 Micro Optics, Acrylic Inner Lens and Polycarbonate Outer Lens  
 Made in the USA

#### Part number

**313.700** 12-48v LED Oval Flood Light Work Lamp



### 12-48V LED Oval Spot Light Work Lamp

Integral Deutsch Connector  
 Size: 144.17 x 95.2 x 89.4mm  
 300mm Harness  
 Lumens: 500  
 UL Recognised SAE J575 Sealed, Shock and Vibration  
 Current Draw: 12v 2.0 Amp .5 Amp @ 48v  
 Micro Optics, Acrylic Inner Lens and Polycarbonate Outer Lens  
 Made in the USA

#### Part number

**313.700S** 12-48v LED Oval Spot Light Work Lamp



### Mega Beam LED Work Lamp

Compact LED Work Lamp with minimum power consumption (15W)  
 Lumens: 550  
 Reverse polarity protected  
 IP67 Rated  
 Aluminium die cast housing with stainless steel bracket  
 Size: 110 x 120 x 83mm  
 M10 Bolt  
 9-33v supply voltage  
 2m Cable

#### Part number

**365.1GM996136191** Mega Beam LED Work Lamp

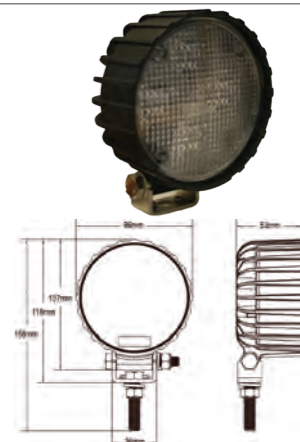


### 9-50V LED Round Work Lamp

Multi-Voltage 9-50VDC  
 Polycarbonate Lens  
 Interference free: Meets EMC requirements  
 Waterproof: Meets IP67  
 Beam shape: Flood  
 Max. Current (Amps) : 1.2A @9VDC / 0.2A@50VDC

#### Part number

**308.100** 9-50v Round LED Work Lamp

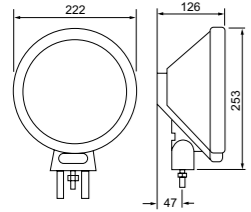


## Driving Lights



### Hella Rallye 3000 (clear glass lens pattern)

Black body. High boost reflector for homogeneous and ideal road illumination, Modern clear glass pattern design & weatherproof. Supplied less bulb.

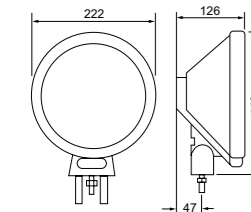


Part number	365.1F8006800311	365.1F8006800321	365.1F8006800401
Manufacturers No.	1F8 006 800-311	1F8 00 680-0321	1F8 006 800-401
Glass Colour	Clear	Blue	Clear
Side Light	Side Light	Side Light	CELIS LED Side Light
Supply Voltage	Vdc 12 / 24V	12 / 24V	12 / 24V
Bulb Watts	W 55/70W	55/70W	55/70W
Halogen Bulb	H3	12v 100.453 / 24v 100.460	
Side Light Bulb		12v 100.501 / 24v 100.507	
Protective Grill		<b>365.9HG142050801</b>	
White Hella Cover		<b>365.8XS142700001</b>	



### Hella Rallye 3000 (optical pattern lens)

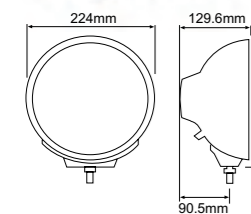
Black. Optical pattern glass, Ideal road illumination & weatherproof. Supplied less bulb.



Part number	365.1F8006800191	365.1F8006800221
Manufacturers No.	1F8 006 800-191	1F8 006 800-221
Glass Colour	Clear	Blue
Side Light	Side Light	Side Light
Supply Voltage	Vdc 12 / 24V	12 / 24V
Bulb Watts	W 55/70W	55/70W
Halogen Bulb	H3	12v 100.453 / 24v 100.460
Side Light Bulb		12v 100.501 / 24v 100.507
Protective Grill		<b>365.9HG142050801</b>
White Hella Cover		<b>365.8XS142700001</b>

### Luminator Chromium (clear glass lens)

Chrome plated body and lens retaining rim. High boost reflector for homogeneous and ideal road illumination. Modern clear glass design and weatherproof. Supplied less bulb.

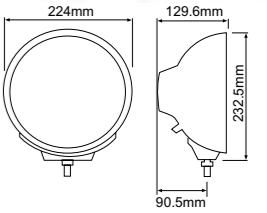


Part number	365.1F8007560311	365.1F8007560321
Manufacturers No.	1F8 007 560-311	1F8 007 560-321
Glass Colour	Clear	Blue
Side Light	Side Light	Side Light
Supply Voltage	Vdc 12 / 24V	12 / 24V
Bulb Watts	W 55/70W	55/70W
Halogen Bulb	H3	12v 100.453 / 24v 100.460
Side Light Bulb		12v 100.501 / 24v 100.507
Protective Grill		<b>365.9HG148995001</b>

## Driving Lights

### Luminator Chromium (optical pattern lens)

Chrome plated body and lens retaining rim. Optical pattern glass, Ideal road illumination & weatherproof. Supplied less bulb.



Part number	365.1F8007560051	365.1F8007560131
Manufacturers No.	1F8 006 800-051	1F8 006 800-131
Glass Colour	Clear	Blue
Side Light	Side Light	Side Light
Supply Voltage	Vdc 12 / 24V	12 / 24V
Bulb Watts	W 55/70W	55/70W
Halogen Bulb	H3	12v 100.453 / 24v 100.460
Side Light Bulb		12v 100.501 / 24v 100.507
Protective Grill		<b>365.9HG148995001</b>

### L09 Halogen Driving Lamp (with side lights)

225 x 130mm

Part number	305.L0900/12V	305.L0901/12V	305.L0900/24V	305.L0901/24V
Glass Colour	Clear	Blue	Clear	Blue
Supply Voltage	Vdc 12V		24V	
Bulb Watts	W 55W		70W	
Side Light Bulb		100.501	100.507	
Bulb	H3 100.453		100.460	
Protective Grill			<b>305.1233800</b>	



### L27 Halogen Driving Lamp (with side lights)

170 x 103mm

Part number	305.L2700/12V	305.L2701/12V	305.L2700/24V	305.L2701/24V
Glass Colour	Clear	Blue	Clear	Blue
Supply Voltage	Vdc 12V		24V	
Bulb Watts	W 55W		70W	
Side Light Bulb		100.501	100.507	
Bulb	H3 100.453		100.460	
Protective Grill			<b>305.1235400</b>	



### L28 Halogen Driving Lamp (with LED side lights)

198 x 117mm

Part number	305.L2800/12V	305.L2801/12V	305.L2800/24V	305.L2801/24V
Glass Colour	Clear	Blue	Clear	Blue
Supply Voltage	Vdc 12V		24V	
Bulb Watts	W 55W		70W	
Bulb	H3 100.453		100.460	
Protective Grill			<b>305.1235500</b>	



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