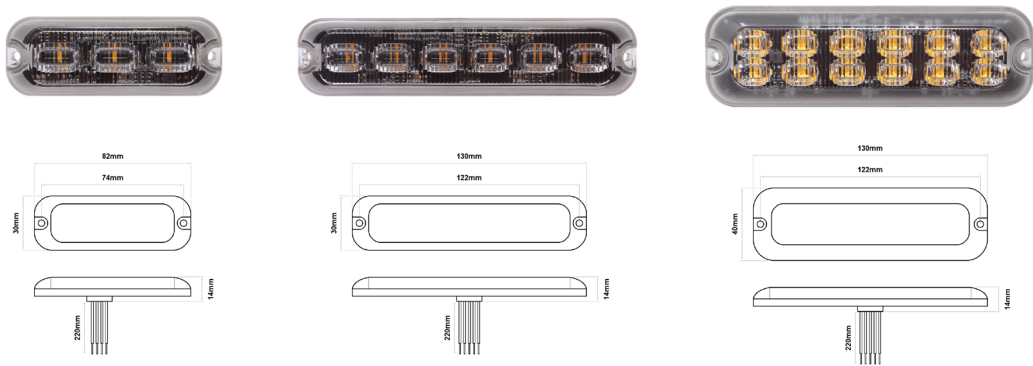


INSTALLATION + OPERATING INSTRUCTIONS



**! IMPORTANT ! - Read all instructions before installing and operating the module. This module must be installed by a qualified automotive technician. Failure to do so may void your warranty.**

M38 Series	
Voltage Range	10-30V
LED Colour	Amber
Mounting	Surface Mount (2 Screws)
Flash Patterns	11 for 3-LED version / 19 for 6-LED & 12 LED versions
Connection	Fly Lead
Syncable?	Yes (with alternate sync)
Dimmer Function	6-LED & 12-LED versions only
IP Rating	IP69K

MODELS AVAILABLE

SKU	LEDs	Approvals	Watts	Dimensions (l) x (h) x (d)
308.HPF310VV	3	ECE R65 (Class I), ECE R10, SAE J595	9W	82mm x 30mm x 11mm
308.HPF308VV	6	ECE R65 (Class II), ECE R10, SAE J595	18W	130mm x 30mm x 11mm
308.HPF309VV	12	ECE R65 (Class II), ECE R10, SAE J595	36W	130mm x 40mm x 11mm

DBG M38 SERIES R65 LED

DIRECTIONAL WARNING MODULES

11 STANDARD FLASH PATTERNS

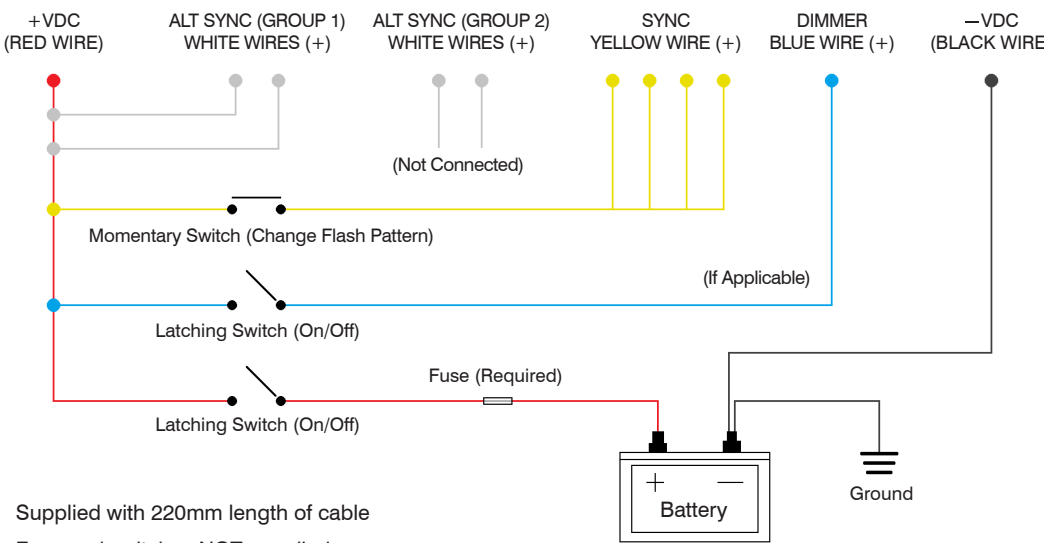
01	Single Flash (ECE R65 Approved)	07	Single Flash + Strobe
02	Double Flash	08	Single Flash (Slow)
03	Quad Flash	09	Single Flash + Single Flash (Slow)
04	Five Flash	10	Combination
05	Strobe	11	Constantly Bright
06	Single Flash + Quad Flash		

8 ADDITIONAL FLASH PATTERNS (6-LED & 12-LED VERSIONS ONLY)

12	Single Flash (Split)	16	Strobe (Split)
13	Double Flash (Split)	17	Single Flash + Quad Flash (Split)
14	Quad Flash (Split)	18	Single Flash + Strobe Flash (Split)
15	Five Flash (Split)	19	Random

! WARNING ! - Do NOT look directly at the LEDs when in operation to prevent damage to your eyes.

WIRING DIAGRAM



## WIRING INSTRUCTIONS

### TO CHANGE FLASH PATTERNS

Momentarily apply yellow wire to the +VDC. A simple momentary switch will be sufficient.

### SYNCHRONISATION INSTRUCTIONS

Ensure all modules are set to the same flash pattern. Connect yellow wires of all modules together.

### ALTERNATE FLASH INSTRUCTIONS

Connect yellow wires of all modules together.  
Ensure all modules are set to the same flash pattern.  
For GROUP 1: Connect all white wires to the +VDC.  
For GROUP 2: Do not connect white wires.

**! WARNING ! - Unconnected wires MUST be sealed to prevent any water ingress.**

### DIMMER FUNCTION INSTRUCTIONS (6-LED & 12-LED VERSIONS ONLY)

Apply blue wire to the +VDC. A simple latching switch will be sufficient.

## MOUNTING + FITTING INSTRUCTIONS

Carefully unpack and inspect the module and all accessories before installing to ensure there are no damaged or missing parts.

**! CAUTION ! - Disconnect the battery before wiring up the module to prevent accidental shorting and/or electrical shock.**

Use foam gasket and screws provided. Do NOT overtighten screws.

**! CAUTION ! - When drilling into the vehicle surface, make sure the area is free from anything that could be damaged, including any electrical wires, fuel lines, upholstery, etc.**

Plan all cable routing before attempting installation and ensure voltage compatibility.

Ensure there are no obstructions limiting visibility to traffic when mounting.

**! WARNING ! - Do NOT overtighten screws.**

If the module slides or moves easily, a proper installation has NOT been attained.

## MODULE LENS CLEANING

Occasional cleaning is recommended to ensure optimal light output. Although tough, polycarbonate scratches easily, so take care when cleaning. Clean lens with soap and water or a lens polish using a soft cloth.

**! WARNING ! - Do NOT use solvents as they may damage the lens.**

## TROUBLESHOOTING

All modules are performance tested prior to shipment. However, should you encounter a problem at any time, please refer to the below table for repair solutions. Additional information may be obtained from the manufacturer if required.

Problem	Probable Cause	Solution
Module does not function	Wiring error	Ensure module wiring is correct and all wire connections are secure
	Blown fuse	Check wiring and fuse. Replace fuse
Incorrect flash pattern	Wrong flash configuration	Re-program the flash pattern

## MANUFACTURER'S WARRANTY

Dun-Bri Services Ltd warrants that on the date of purchase this product conforms to the specifications (available on request). Dun-Bri Services Ltd further warrants that this product is free from defects in materials and workmanship for 36 months from the date of purchase. Dun-Bri Services Ltd will at its discretion, repair or replace any product found to be defective, subject to the Limited Warranty.

Damage to parts or products resulting from tampering, accident, abuse, misuse, negligence, unapproved modifications, fire or other hazard, improper installation/operation or failure to maintain in accordance with the reasonable maintenance procedures set forth in Dun-Bri Services Ltd's installation and operating instructions shall void the Limited Warranty.

Verbal statements or representation about this product made by salespersons, dealers, agents or other representatives do not constitute part of the warranty agreement. This Limited Warranty may not be amended or extended except by written agreement, signed by an authorised official of Dun-Bri Services Ltd, which expressly refers to this Limited Warranty.

## EXCLUSION OF OTHER WARRANTIES

Dun-Bri Services Ltd offers no further warranties, express or implied. The implied warranties for merchantability or fitness for a particular purpose are hereby excluded and shall not apply to the product. The buyer's sole and exclusive option in contract, tort, or any other practice against Dun-Bri Services Ltd regarding the product and its use shall be the replacement or repair of the product as described.

## LIMITATION OF LIABILITY

In the event of liability for damages arising from this Limited Warranty or any other claim related to Dun-Bri Services Ltd's products, the liability for damages shall be limited to the amount paid for the product at the time of purchase. Under no circumstances shall Dun-Bri Services Ltd be liable for lost profits, the cost of substitute equipment or labour, property damage, or other special, consequential, or incidental damages based upon any claim for breach of contract, improper installation or negligence. Dun-Bri Services Ltd shall not be liable for any claim even if Dun-Bri Services Ltd or its representatives has been advised that damages of this nature are sought. Dun-Bri Services Ltd shall have no further obligation or liability with respect to the product or its sale, operation and use. Dun-Bri Services Ltd neither assumes nor authorises the assumption of any obligation or liability in connection with this product.