



THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

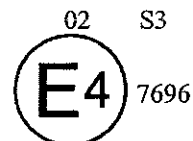
Concerning: ~~APPROVAL GRANTED~~
~~APPROVAL EXTENDED~~
~~APPROVAL REFUSED~~
~~APPROVAL WITHDRAWN~~
~~PRODUCTION DEFINITELY DISCONTINUED~~

of a type of device pursuant to Regulation No. 7

Approval No.: E4 - 7R - 02 7696

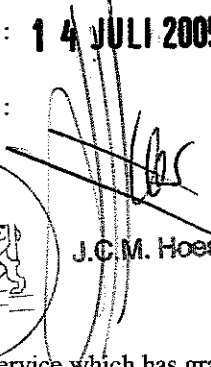

Extension No.: 2

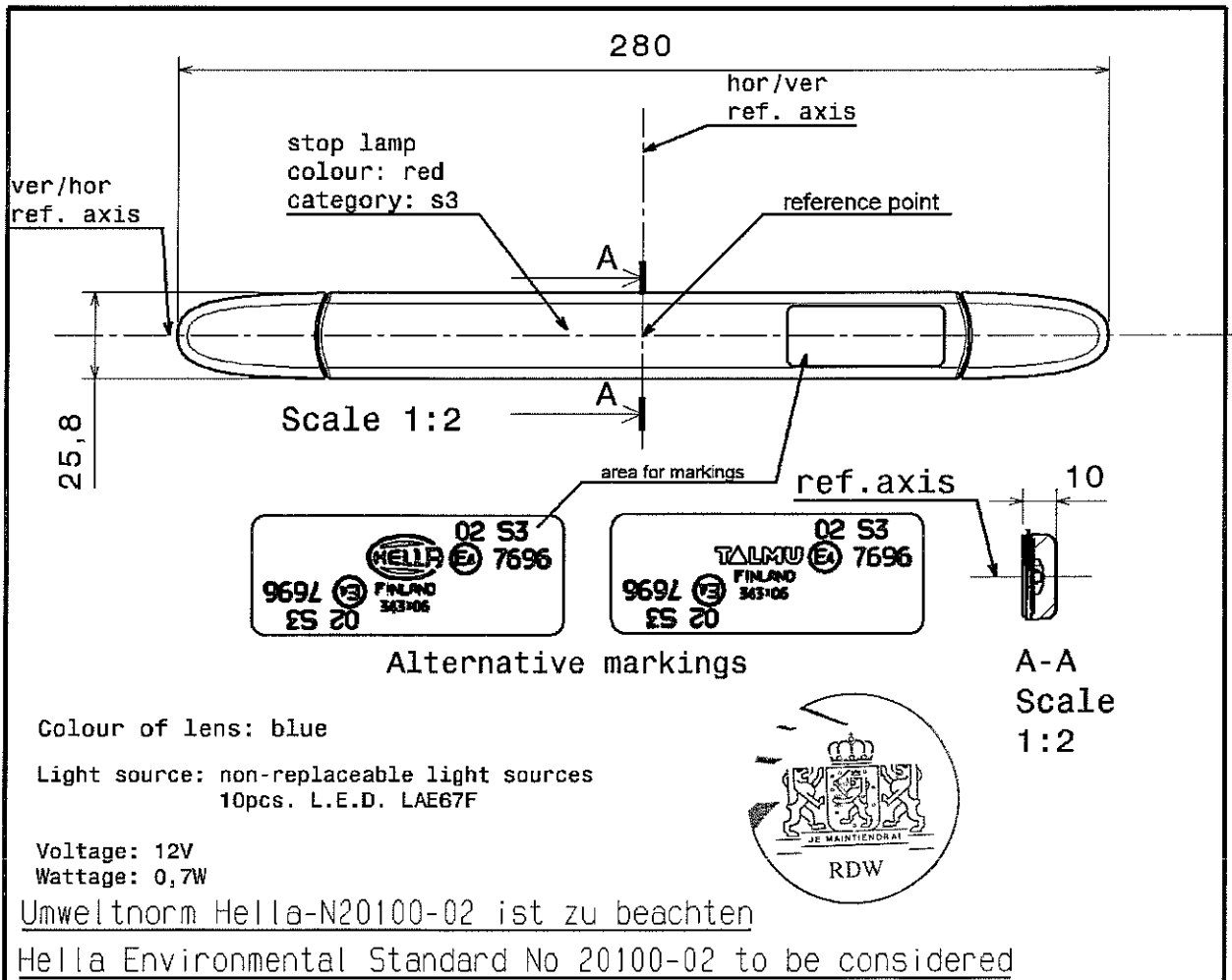
Approval mark:



- 1 Trade name or mark of the device : HELLA or TALMU
- 2 Manufacturer's name for the type of device : Thinline
- 3 Manufacturer's name and address : Hella Lighting Finland Oy
Inkereentie 566
24280 Salo
Finland
- 4 If applicable, name and address of the manufacturer's representative : --
- 5 Submitted for approval on : 15 September 2003; 20 April 2004;
14 june 2005
- 6 Technical service responsible for conducting approval tests : N.V. KEMA
- 7 Date of report issued by that service : 25 September 2003; 5 July 2005
- 8 Number of report issued by that service : 03-121; 2084978-QUA/LTL 05-093



- 9 Concise description:
- By category of lamps : S3
- For mounting either outside or inside or both
- Colour of light emitted : Red/selective yellow/white
- Number and category of filament lamp(s) : 10 Non-replaceable lightsources (LED's)
12 V, 0.7 W
- Special supply voltage : --
- Application of additional supply system : yes/no
- Specification of this supply system : --
- Switched power supply:
- Duty cycle : --
- Peak to peak voltage and/or effective voltage : --
- Geometrical conditions of installation and relating variations if any : Complies in four positions: 0° (horizontal), 90°, 180° and 270°
- Only for limited mounting height of equal to or less than 750 mm above the ground : Yes/no
- 10 Position of the approval mark : See annexed drawing
- 11 Reason(s) for extension (if applicable) : Additional model with blue lens
- 12 Approval ~~granted/refused/extended/withdrawn~~
- 13 Place : Zoetermeer
- 14 Date : 14 JULI 2005
- 15 Signature : 
- 
RDW
J.C.M. Hoes
- 16 The list of documents deposited with the Administrative Service which has granted approval is annexed to this communication and may be obtained on request:
- Drawing No. 343209-00 dated 23.09.2003.
 - Drawing No. 343381-00 dated 27-06-2005 (annexed).
 - Table with outlines of the illuminating surface No. 343209-01 dated 10.09.2003.
 - Table with outlines of the illuminating surface No. 343382-00 dated 27-06-2005 (annexed).
 - Test report as mentioned in item 8



2D	3D	A-Index Rev. Ind	war was	Blatt Page	Aenderung Rev. Description	A-Nr. Rev. No.	Datum Date	K-Gr./Name Depart./Name
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Oberflaeche Surface	.	
Werkstoff Material	.	
Allgemeintoleranz General Tolerance	.	Gewicht Weight

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Masstab Scale	1:2	Datum Date	2005-06-27	Name	SIP10L1	Hella Lighting Finland
Projektionsmethode Projection	3	Erstellt/Entw Drawn	2005-06-27	Freigegeben Checked	TBI	
		Konstr.-Gr. Department	HLF			

Benennung	Artikel-Nr. Part No.
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Title	Zeichnungs-Nr. Drawing No.	Format Size
343106 CHMSL Thinlite blue	343 381-00	A4

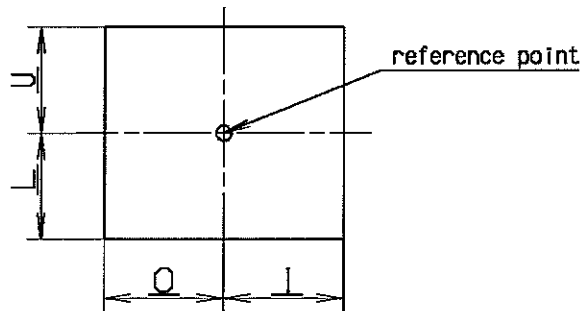
Ersatz fuer Replaces	Blatt: Page:	Blattzahl: Of:
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Erstverwendung: First Project No.:	Dok.-Status:
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Determining the lower, upper and lateral limits of the illuminating surface of the lamp device.

According to European DIRECTIVE 91/663/EEC, Annex I "Installation of lighting and light-signalling devices", clause 1.9.2.

According to ECE regulation 48/01 "Installation of lighting and light-signalling devices", clause 2.9.2.



Function	upper limit (U) mm	lower limit (L) mm	outer limit (O) mm	inner limit (I) mm
Stop lamp 12V Blue lens	7	7	88	88

Horizontal position as in drawing 343381-00



Function	upper limit (U) mm	lower limit (L) mm	outer limit (O) mm	inner limit (I) mm
Stop lamp 12V Blue lens	88	88	7	7

Vertical position, the sample is turned 90° around the reference axis

2D/3D	A-Index Rev. Ind.	war was	Blatt Page	Aenderung Rev. Description	A-Nr. Rev. No.	Datum Date	K-Gr./Userid Depart./Userid
.

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Masstab Scale	Erstellt/Entw. Drawn	Datum Date	Userid
.	27.06.2005	TBI	
Projektionsmethode Projection	Freigegeben Checked	Konstr.-Gr. Department	
	27.06.2005	TBI	



Benennung 343106 CHMSL Thinlite blue	Artikel-Nr. Part No.
Title ILLUMINATING SURFACE	Zeichnungs-Nr. Drawing No. 343382-00
Ersatz fuer Replaces	Blatt: Page:
CATIA:	Blattzahl: Of: Dok.-Status:
	Format Size A4



THE NETHERLANDS
(N E D E R L A N D)



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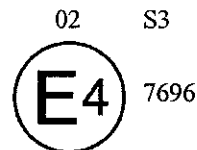
Concerning: ~~APPROVAL GRANTED~~
~~APPROVAL EXTENDED~~
~~APPROVAL REFUSED~~
~~APPROVAL WITHDRAWN~~
~~PRODUCTION DEFINITELY DISCONTINUED~~

of a type of device pursuant to Regulation No. 7

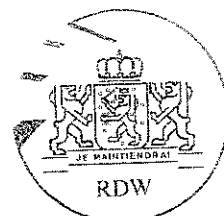
Approval No.: E4 - 7R - 02 7696



Extension No.: 1

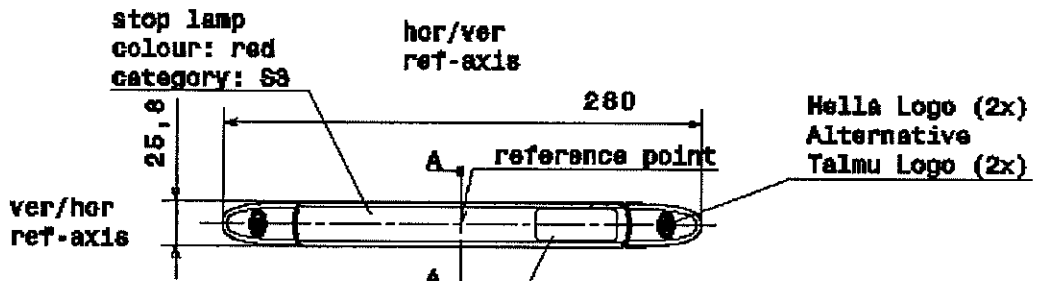
Approval mark:



- 1 Trade name or mark of the device : HELLA or TALMU
- 2 Manufacturer's name for the type of device : Thinline
- 3 Manufacturer's name and address : Hella Lighting Finland Oy
Inkereentie 566,
24280 Salo
Finland
- 4 If applicable, name and address of the manufacturer's representative : --
- 5 Submitted for approval on : 15 September 2003; 20 April 2004
- 6 Technical service responsible for conducting approval tests : N.V. KEMA
- 7 Date of report issued by that service : 25 September 2003
- 8 Number of report issued by that service : 03-121

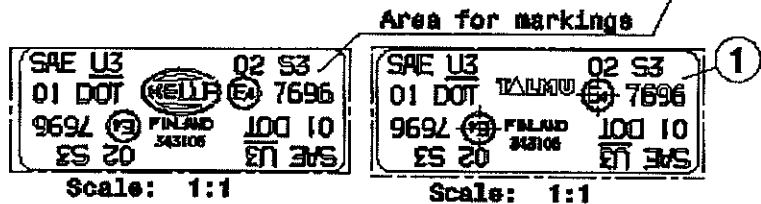


- 9 Concise description:
- By category of lamps : S3
- For mounting either outside or ~~inside or both~~
- Colour of light emitted : red/selective yellow/white
- Number and category of filament lamp(s) : 10 Non-replaceable lightsources (LED's)
12 V, 0.7W or
24 V, 1.4 W
- Special supply voltage : --
- Application of additional supply system : yes/no
- Specification of this supply system : --
- Switched power supply:
- Duty cycle : --
- Peak to peak voltage and/or effective voltage : --
- Geometrical conditions of installation and relating variations if any : Complies in four positions:
0° (horizontal), 90°, 180° and 270°
- Only for limited mounting height of equal to or less than 750 mm above the ground : yes/no
- Light source module : yes/no
- Light source module specific identification code : --
- 10 Position of the approval mark : See annexed drawing
- 11 Reason(s) for extension (if applicable) : Addition of a trade name
- 12 Approval ~~granted/refused/extended/withdrawn~~
- 13 Place : Zoetermeer
- 14 Date : 28 APR. 2004
- 15 Signature :  
Ing. A.M. Boekestain
- 16 The list of documents deposited with the Administrative Service which has granted approval is annexed to this communication and may be obtained on request:
- 1 Drawing No. 343209-00 dated 23.09.2003
 - 1 Table with outlines of the illuminating surface No. 343209-01 dated 10.09.2003
 - Test report as mentioned in item 8



Hella Logo (2x)
Alternative
Talmu Logo (2x)

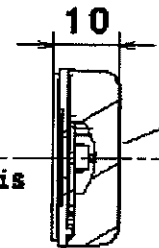
Scale: 1:4



Scale: 1:1

Scale: 1:1

Alternative markings



Colour of lens:
red
alternative
smoked grey

Section view A-A
Scale: 1:1

Light source: non-replaceable light sources
10pcs. L.E.D. LAE87F

Voltage: 12V Alternative Voltage: 24V
Wattage: 0,7W Wattage: 1,4W

Umweltnorm Hella-N20100-02 ist zu beachten
Hella Environmental Standard No 20100-02 to be considered

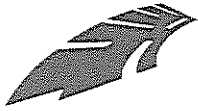


20.30	A-Index Rev. Ind	war was	Blatt Page	Änderung Rev. Description	A-Nr. Rev. No.	Datum Date	K-Gr./Name Dept./Name
				Markings of tradename TALMU added		20.4.04	IKO

Oberfläche Surface	:	
Werkstoff Material	:	
Allgemeintoleranz General Tolerance	:	Gewicht Weight

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Masstab Scale	1:4	Erstellt/Entw Drawn	Datum Date	230903	Name	IKO	 Hella Lighting Finland
Projektionsmethode Projection	3	Freigegeben checked	Datum Date	230903	Name	TBJ	
		Konstr.-Gr. Department					
Benennung			Artikel-Nr.	Part No.			
Title	LAMP CHMSL Thinlite		Zeichnungs-Nr.	Drawing No.		Format Size	A4
Ersatz fuer Replaces			Blatt: Page:	Blattzahl: Of:			
Erstverwendung:	First Project No.:						
CATIA V5:			Dok.-Status:				



THE NETHERLANDS
(N E D E R L A N D)



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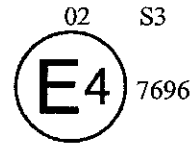
Concerning: APPROVAL GRANTED
~~APPROVAL EXTENDED~~
~~APPROVAL REFUSED~~
~~APPROVAL WITHDRAWN~~
~~PRODUCTION DEFINITELY DISCONTINUED~~

of a type of device pursuant to Regulation No. 7

Approval No.: E4 - 7R - 02 7696

Extension No.: --

Approval mark:



- 1 Trade name or mark of the device : HELLA
- 2 Manufacturer's name for the type of device : Thinlite
- 3 Manufacturer's name and address : Hella Lighting Finland Oy
Inkereentie 566
24280 Salo
Finland
- 4 If applicable, name and address of the manufacturer's representative : --
- 5 Submitted for approval on : 15 September 2003
- 6 Technical service responsible for conducting approval tests : N.V. KEMA
- 7 Date of report issued by that service : 25 September 2003
- 8 Number of report issued by that service : 03-121



Approval No.: E4 – 7R – 02 7696

Extension No.: --

- 9 Concise description:
- By category of lamps : S3
- For mounting ~~either outside or inside or both~~
- Colour of light emitted : Red/selective yellow/white
- Number and category of filament lamp(s) : 10 Non-replaceable lightsources (LED's)
12 V, 0.7 W or
24 V, 1.4 W
- Special supply voltage : --
- Application of additional supply system : yes/no
- Specification of this supply system : --
- Switched power supply:
- Duty cycle : --
- Peak to peak voltage and/or effective voltage : --
- Geometrical conditions of installation and relating variations if any : Complies in four positions: 0° (horizontal), 90°, 180° and 270°
- Only for limited mounting height of equal to or less than 750 mm above the ground : Yes/no

10 Position of the approval mark : See annexed drawing

11 Reason(s) for extension (if applicable) : --

12 Approval granted/~~refused/extended/withdrawn~~

13 Place : Zoetermeer

14 Date : 30 SEP. 2003

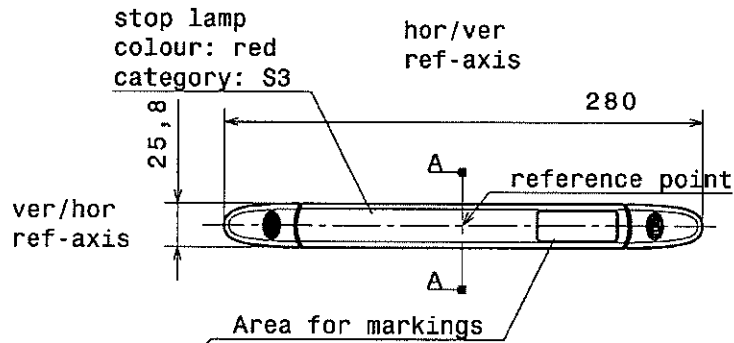
15 Signature :



The signature is a stylized handwritten mark. The official stamp is circular and contains a coat of arms with a crown on top and the motto 'JE M'ANTIENDRAI' on a banner below. The initials 'RDW' are printed below the coat of arms.

B.T. Alling

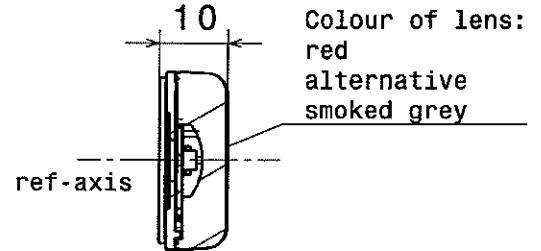
- 16 The list of documents deposited with the Administrative Service which has granted approval is annexed to this communication and may be obtained on request:
- Drawing No. 343209-00 dated 23.09.2003 (annexed).
 - Table with outlines of the illuminating surface No. 343209-01 dated 10.09.2003 (annexed).
 - Test report as mentioned in item 8



Scale: 1:4



Scale: 1:1



Section view A-A
Scale: 1:1

Light source: non-replaceable light sources
10pcs. L.E.D. LAE67F

Voltage: 12V Alternative Voltage: 24V
Wattage: 0,7W Wattage: 1,4W

Umweltnorm Hella-N20100-02 ist zu beachten

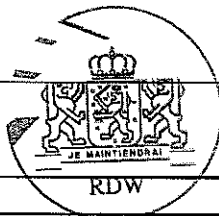
Hella Environmental Standard No 20100-02 to be considered

2D	3D	A-Index Rev. Ind.	war was	Blatt Page	Aenderung Rev. Description	A-Nr. Rev. No.	Datum Date	K-Gr./Name Depart./Name

Oberflaeche Surface	
Werkstoff Material	
Allgemeintoleranz General Tolerance	Gewicht Weight

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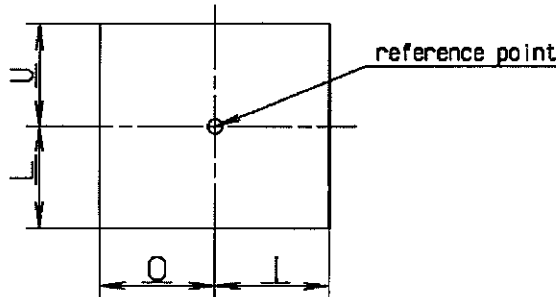
Masstab Scale	1:4	Datum Date	230903	Name	IKO	 Hella Lighting Finland		
Projektionsmethode Projection	3	Erstellt/Entw. Drawn	230903	Freigegeben Checked	TBI			
		Konstr.-Gr. Department						
Benennung						Artikel-Nr. Part No.		
Title	LAMP CHMSL Thinlite					Zeichnungs-Nr. Drawing No.	343209-00	Format Size A4
Ersatz fuer Replaces						Blatt: Page:	Blattzahl: Of:	
Erstverwendung: First Project No.:						Dok.-Status:		



Determining the lower, upper and lateral limits of the illuminating surface of the lamp device.

According to European DIRECTIVE 91/663/EEC, Annex I "Installation of lighting and light-signalling devices", clause 1.9.2.

According to ECE regulation 48/01 "Installation of lighting and light-signalling devices", clause 2.9.2.



Function	upper limit (U) mm	lower limit (L) mm	outer limit (O) mm	inner limit (I) mm
Stop lamp 24V Red lens	7	7	88	88
Stop lamp 24V Grey lens	7	7	88	88
Stop lamp 12V Red lens	7	7	88	88
Stop lamp 12V Grey lens	7	7	88	88

Horizontal position as in drawing 343209-00

Function	upper limit (U) mm	lower limit (L) mm	outer limit (O) mm	inner limit (I) mm
Stop lamp 24V Red lens	88	88	7	7
Stop lamp 24V Grey lens	88	88	7	7
Stop lamp 12V Red lens	88	88	7	7
Stop lamp 12V Grey lens	88	88	7	7

Vertical position, the sample is turned 90° around the reference axis

2D	3D	A-Index Rev. Ind.	war was	Blatt Page	Aenderung Rev. Description	A-Nr. Rev. No.	Datum Date	K-Gr./Userid Depart./Userid

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Masstab Scale		Datum Date	10.09.2003	Userid	TBI	
Projektionsmethode Projection		Erstellt/Entw. Drawn	10.09.2003	TBI		
		Freigegeben Checked	10.09.2003	TBI		
Benennung Lamp CHMSL Thinlite		Konstr.-Gr. Department				Artikel-Nr. Part No.
Title ILLUMINATING SURFACE						Zeichnungs-Nr. Drawing No.
Ersatz fuer Replaces						343209-01
CATIA:						Format Size A4
						Blatt: Page:
						Blattzahl: Of:
						Dok.-Status: