



RDW

Vehicle Technology Division

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



COMMUNICATION

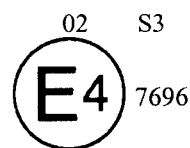
Concerning: APPROVAL GRANTED
~~APPROVAL EXTENDED~~
~~APPROVAL REFUSED~~
~~APPROVAL WITHDRAWN~~
~~PRODUCTION DEFINITELY DISCONTINUED~~

of a type of device pursuant to Regulation No. 7

Approval No.: E4 - 7R - 02 7696

Extension No.: --

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

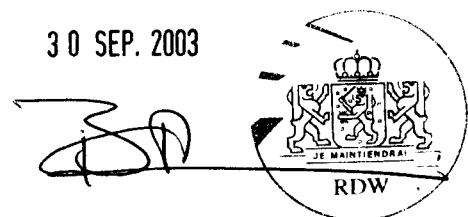
11 Reason(s) for extension (if applicable) : --

12 Approval granted/~~refused/extended/withdrawn~~

13 Place : Zoetermeer

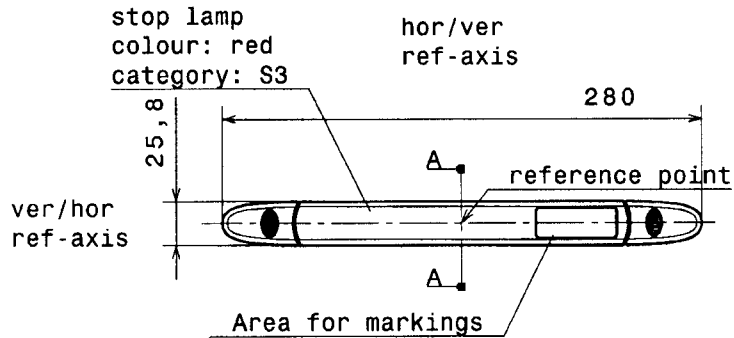
14 Date : 30 SEP. 2003

15 Signature :

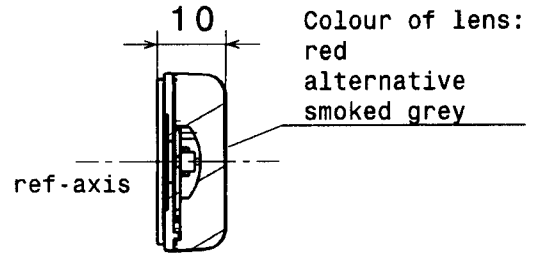
The signature is a stylized cursive mark. The seal is circular and contains a coat of arms with a crown on top and the motto 'JE M'AI TIENDRAI' on a banner below. The letters 'RDW' are printed at the bottom of the seal.

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: 1:1



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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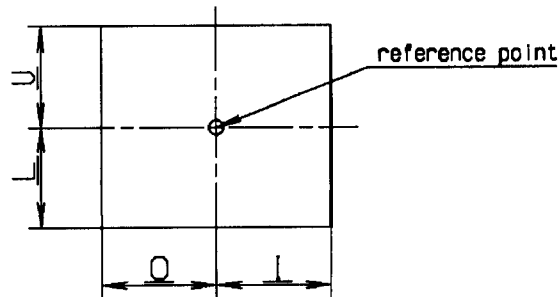
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Masstab Scale	1:4	Datum Date	230903	Name	IKO	 Hella Lighting Finland
Projektionsmethode Projection	3	Erstellt/Entw. Drawn	230903			
		Freigegeben Checked	230903	TBI		
Benennung		Artikel-Nr. Part No.				
Title	LAMP CHMSL Thinlite	Zeichnungs-Nr. Drawing No.	343209-00	Format Size	A4	
Ersatz fuer Replaces		Blatt: Page:		Blattzahl: Of:		
Erstverwendung:	First Project No.:					
CATIA V5:		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


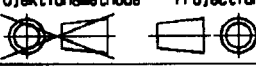

Function	upper limit (U) mm	lower limit (L) mm	outer limit (O) mm	inner limit (I) mm
Stop lamp 24V Red lens	88	88	7	7
Stop lamp 24V Grey lens	88	88	7	7
Stop lamp 12V Red lens	88	88	7	7
Stop lamp 12V Grey lens	88	88	7	7

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

20	30	A-Index Rev. Ind	war was	Blatt Page	Aenderung Rev. Description	A-Nr. Rev. No.	Datum Date	K-Gr./Userid Dept./Userid

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