



Hella New Zealand

Typbezeichnung: 2KA 959 640
Beleuchtungseinrichtung für das hintere Kennzeichenschild

Gehört zur G. Nr.: E4 4068

Anbauanweisung Nr.:

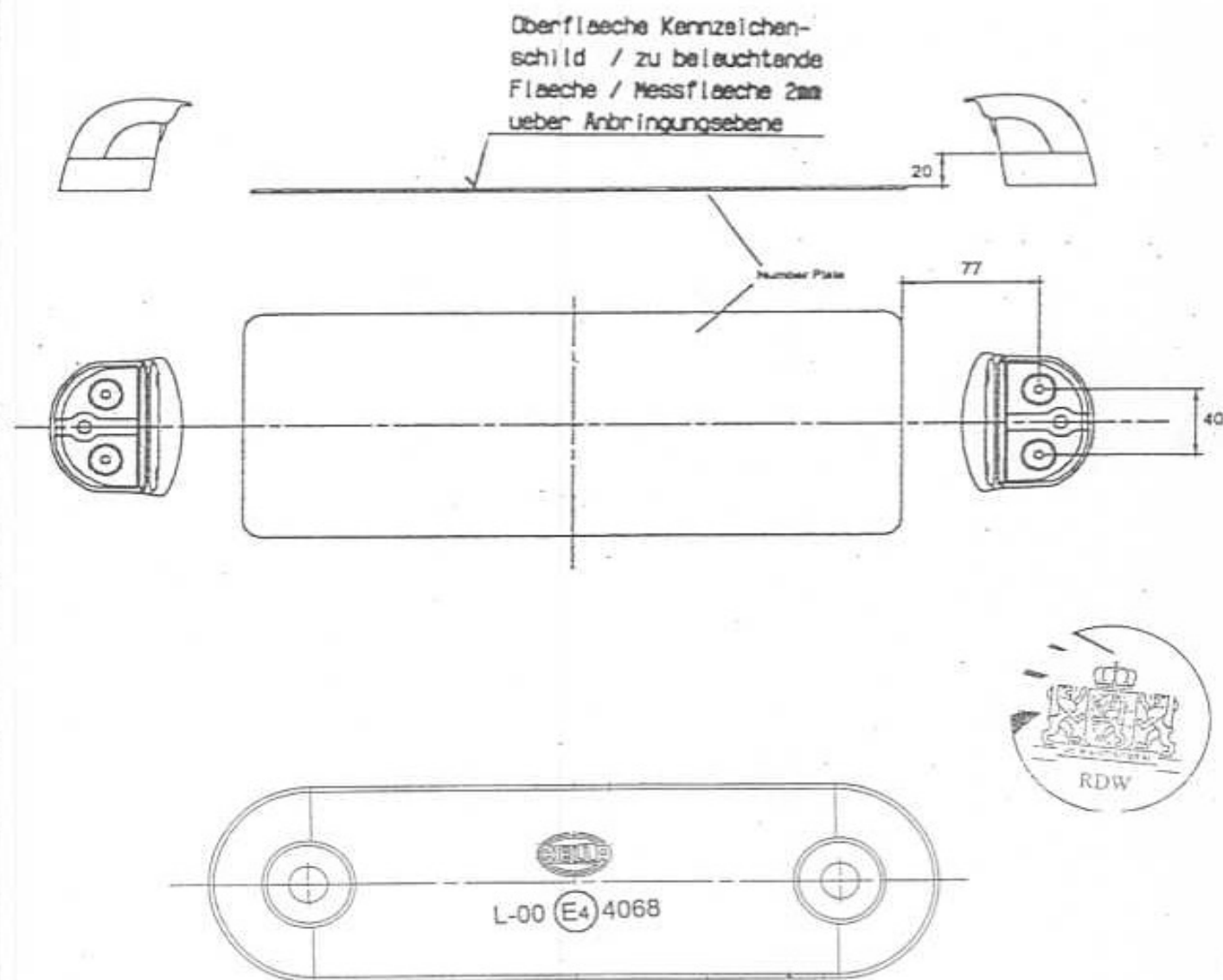
Kennzeichenbeleuchtungsanordnung für Kraftfahrzeuge.

Lichtquellen:

2 LEDs je Leuchte in Reihe geschaltet.

<u>Prüfspannung</u>	<u>Versorgungsspannung</u>	<u>Nennleistung</u>
13,5 bzw. 28 Volt	10 bis 33 Volt	2 x 0,5 Watt

Das Kennzeichenschild darf nur innerhalb der Anbringungsfläche angebracht werden, wobei die Auflageebene des Kennzeichenschildes in der Anbringungsebene liegen muss.



2004-08-06

Der An- bzw. Einbau der Geräte hat nach anliegenden An- bzw. Einbauunterlagen (z.B. Skizze und Anlage A) zu erfolgen.

INSTRUCTION SHEET

for: **Part No. 2KA 959 640-6xx**



**APPLICATION AND
MOUNTING INSTRUCTIONS**

LED NUMBER PLATE LAMP

Multivolt capable 10 - 33 volts

Two Lamps must be mounted as follows

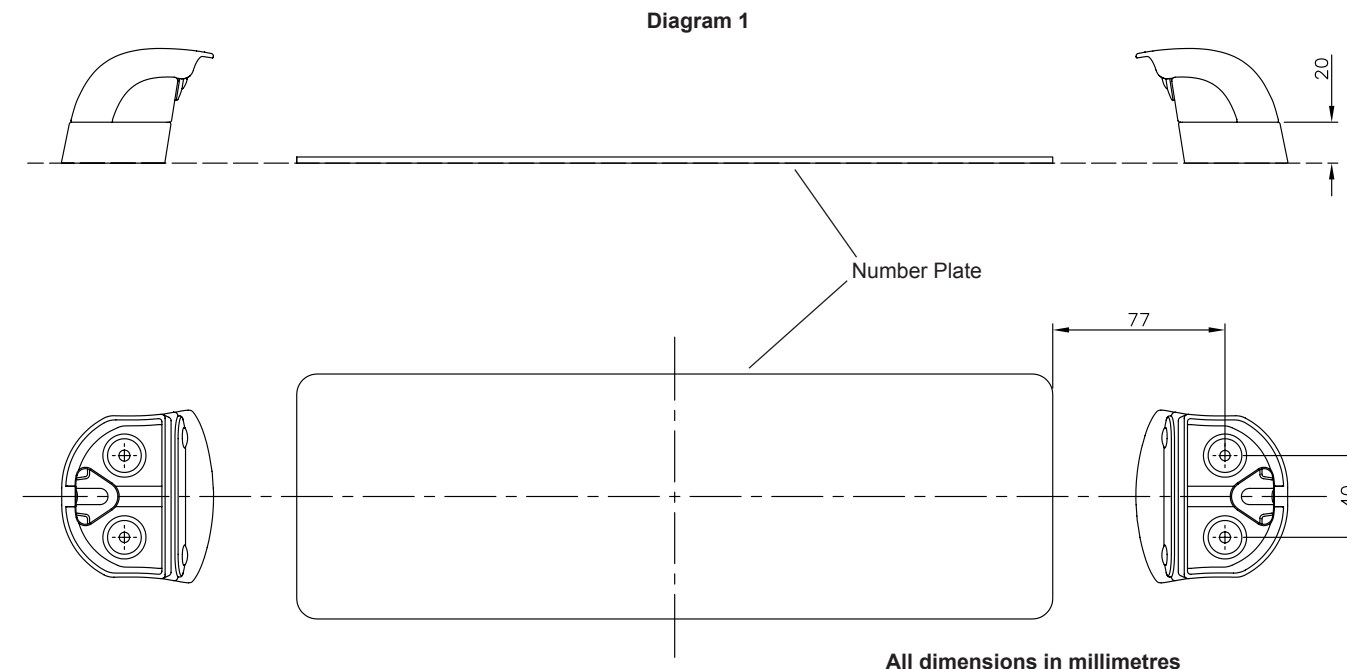
- Lamp mounting surface must be parallel with the number plate surface
- Lamps must be mounted at each end of the number plate, refer to diagram below

Lens Marking Installation Requirements

This Number Plate Lamp, identified by lens marking L-00 (E4) 4068 and the Hella logo was manufactured to comply with ECE Regulation No. 4 Illumination of rear-registration plates of motor vehicles (except motor cycles) and their trailers

- A tolerance of $\pm 3^\circ$ applies on all mounting details.
- Geometric visibility:
 - Vertical: From 5° above to 5° below the horizontal
 - Horizontal: From 30° left to 30° to the right

NB: Two lamps are required for ECE compliance.



All dimensions in millimetres

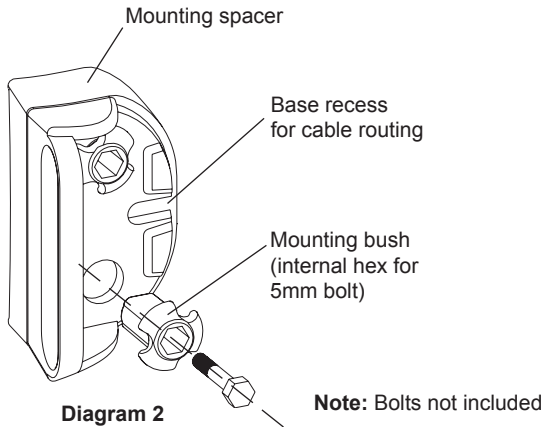
959 149-77 V07

HELLA-New Zealand Limited, Auckland, New Zealand

Lamp Base mounting Instructions

2KA 959 640-6xx is supplied with the mounting spacer and mounting bushes (see diagram 2).
Mounting holes up to 5.5mm Ø at 40mm centres, for 5 mm bolts, are recommended.
For lamp mounting position see diagram 1 overleaf.

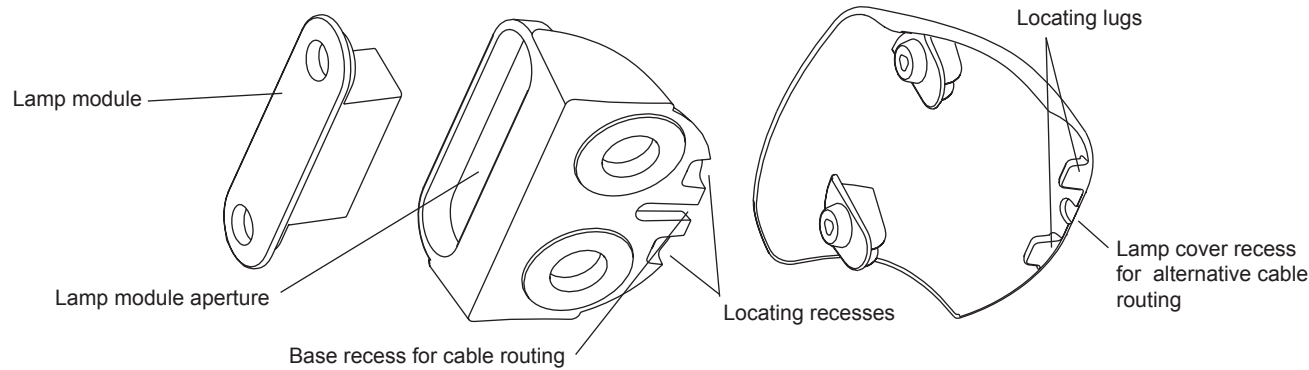
If the lamp cable is to be routed through the mounting surface, ensure the cable hole has no sharp edges to cut or chafe the cable.



Lamp Module Instructions

- Pass cable through lamp module aperture in base and rout through base
- The cable can also be routed through the lamp cover by removing the material from the recess (see Diagram 3)
- Locate the lamp module into the base, and place the locating lugs of the lamp cover into the base recesses
- Mount the lamp module and cover with the supplied screws, and fit screw caps

Diagram 3



Wiring Colour Coding

The LED Number Plate Lamp is *Multivolt* capable allowing full light output between 10 and 33 volts. LED lamp modules are polarity conscious. Reverse polarity will not damage this product but will inhibit its function. HELLA recommends wire connections be soldered, and heat shrink tubing applied to seal the joint.
NB: Lamp must be protected by a fuse rated at 2 amperes maximum.

Colour	Connect to	Power Consumttion
Black	Earth (-)	-
White (Red trace)	Positive (-)	0.5 watt

FIT AND FORGET - BY DESIGN



Congratulations, the product you have selected comes from **HELLA** - a world leader in LED lighting design.

Following the launch of the first LED automotive signal lamps in 1990, **HELLA** Design and Innovation continues to set new standards. **HELLA** innovative solutions have been incorporated into millions of lamps, engineered and tested to the most stringent standards, to suit the most demanding environmental conditions.

The cornerstone to the success of our products is our no compromise **Fit and Forget - by Design** philosophy which is incorporated into every step of the product life cycle.

In a world consuming finite resources at an ever faster rate, **Fit and Forget - by Design** is the right environmental choice that also makes perfect economic sense to customers that consider the total life cycle Cost of Ownership.

For general comments about HELLA's products please contact us on E-mail at techfeedback@hella.co.nz

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

Vehicle Technology Division

Concerning:

APPROVAL GRANTED
APPROVAL EXTENDED
APPROVAL REFUSED
APPROVAL WITHDRAWN
PRODUCTION DEFINITELY DISCONTINUED

Approval No.: E4 - 4R - 00 4068

Extension No.: --

Approval mark: L-00 4068

1 Trade name or mark of the device : HELLA

2 Manufacturer's name for the type of device : 2KA 959 640

3 Manufacturer's name and address : HELLA-New Zealand Ltd,
81-83 Ben Lomond Crescent
Pakuranga, Auckland
New Zealand

4 If applicable, name and address of the manufacturer's representative : Snyter B.V.,
Celstusman 2
3430 BJ Nieuwegein
The Netherlands

5 Submitted for approval on : 16 July 2004

6 Technical service responsible for conducting approval tests : N.V. KEMA

7 Date of report issued by that service : 11 August 2004

8 Number of report issued by that service : 2076150-QUALTL 04-117

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Vehicle Approval and Information

Approval No.: E4 - 4R - 00 4068

Extension No.: --

9 Concise description:
Device for illuminating

Number and category of filament lamp(s)

Light source module

Light source module specific identification code

Geometrical conditions of installation (position(s) and inclination(s) of the device in relation to the space to be occupied by the registration plate and/or different inclinations of this space)

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 : 19 AUG. 2004

15 Signature : M.L. Veenstra

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. 2KA 959 640, dated 2004-08-06 (annexed).
- Test report as mentioned in item 8