Beim Austall einer L pe of device: 1 des Gerätes: For left- or right hand, horizontal flush- or surface mounting Für links- oder rechtsseitigen, horizontalen Ein- oder Anbau

Direction ator rer Fahrt- ngsanzeiger	
Plastic Kunststoff	

Inside: Fresnel optic Innen: Fresneloptik

10 LEDs

Outside: Riffle optic Aussen: Riffeloptik

l turn off.
abgeschaltet.

astening the device to the automobile sefestigungsart der Leuchte an die Karosserie

sket between housing and car body: dichtung zwischen Gehäuse und Karosserie

ckplate, material undplatte, Material:

ckplate, material Indplatte, Material:

lastic (PC, PMMA, ABS, ASA, PA ...)

For left- or right hand, horizontal flush- or surface mo Für links- oder rechtsseitigen, horizontalen Ein- oder Anbau.

nach 76/756 EWG bzw

ermissible rotation: a = -45° ÷ 45°. ulässige Drehung: a = -45° ÷ 45°.

Lamp can be rotated 180° around the reference axis. Leuchte darf auch 180° gedreht um die Bezugsachse angeba

Type: r **Cat. 1 for** . ner für Kraftfa

Technical description Technische Beschreibung 2BA 980 888-AA

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E24 5869

Mounting instruction

Anbauanweisung

2BA 980 888-AA

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est voltage:

13.5 V or / oder

10 LEDs

ominal voltage:

12 V or / oder

INSTRUCTION SHEET

for: Part No. 2BA 980 888-xxx / 2109



APPLICATION AND MOUNTING INSTRUCTIONS

LED FRONT DIRECTION INDICATOR LAMP - HORIZONTAL MOUNT

2BA 980 888-3xx / 2109: 12V DC Only 2BA 980 888-4xx / 2109-24V: 24V DC Only

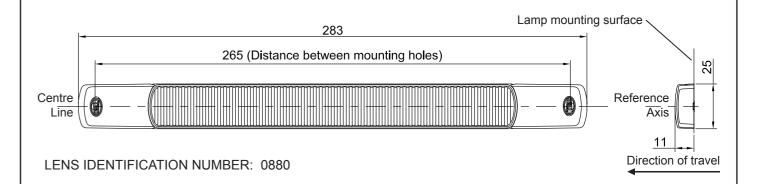
Lens Marking and Installation Requirements

This Front Direction Indicator Lamp identified by lens marking (E24) 5869 and the ignition logo was manufactured to comply with:

ECE Regulation No. 6 for Front Direction Indicator Lamps (Category 1)

- A tolerance of +/-3° applies on all mounting details.
- Lamp module mounting surface must be vertical to the ground and facing forward.
- Lamp module reference axis must be parallel to the vehicle longitudinal axis.
- Lamp must be visible from 45° inboard and 80° outboard, as well as from 15° above and below the horizontal axis.
- Two lamp modules are required per vehicle.
- Lamp modules must not be mounted less than 350 mm and more than 1500 mm above the ground.
- Lamp modules must be mounted within 400 mm of the widest point of the vehicle and no closer than
- Lamp is approved to be mounted horizontally with an allowable rotation of +/- 45° (see diagram over page).

Note: Please refer to ECE Regulation No. 48 for more details.

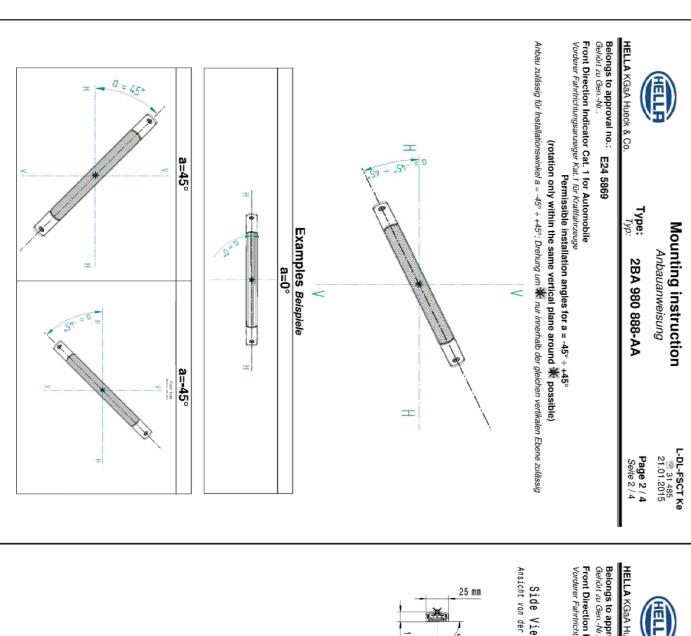


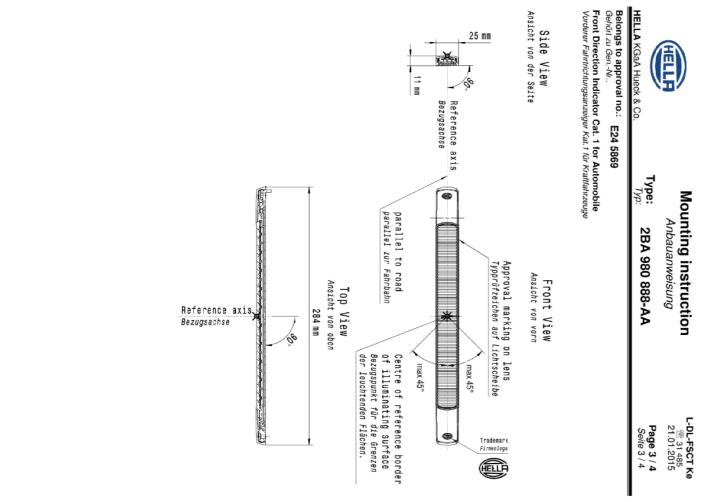
Product Contents

Description	2BA 980 888-3xx 2109	2BA 980 888-4xx 2109-24V
LED Front Direction Indicator Lamp with 2.5 m cable	x1	x1
Screw Cap	x2	x2
Mounting Screw	x2	x2
Application and Mounting Instructions	x1	x1

358 315-01 V04

Hella-New Zealand Limited, Auckland.





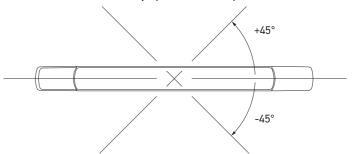
INSTRUCTION SHEET

for: Part No. 2BA 980 888-xxx / 2109



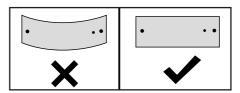
Mounting Tolerance

Horizontal mount: +/- 45° rotation around lamp (and vehicle) axis.



Mounting Instructions

• Lamp must be mounted on a flat surface with no curvature.



- Drill two 3 mm Ø mounting holes at 265 mm centres through the mounting surface to allow fitment of the lamp. See previous page for correct positioning.
- If passing the cable through a hole, ensure there are no sharp edges to cut or chafe the cable. Alternatively, the cable can be routed through the end of the screw cap.
- Connect the wires as per the table below and test that the lamp functions correctly.
- Using the mounting screws tighten the lamp to the mounting surface (Maximum torque 1.5Nm).
- Fit screw caps.

Note: Do not overtighten the mounting screws in the plastic lens.

If it is necessary to remove the screw caps, lever them out with a small flat head screw driver.

Wiring Instructions

- Lamp is polarity conscious. The reversal of the 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.

Wire Colour	Connect to	Power Consumption
Black	Earth (-)	-
Red	Front Direction Indicator (+)	3 watts

Note: Lamp must be protected by a fuse rated at 3 amperes maximum.

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