INSTRUCTION SHEET

for: **Part No. 2SB 980 887-xxx**

APPLICATION AND MOUNTING INSTRUCTIONS

LED STOP / REAR POSITION LAMP

2SB 980 887-0xx: 12V DC Only ***2SB 980 887-2xx: 24V DC Only***

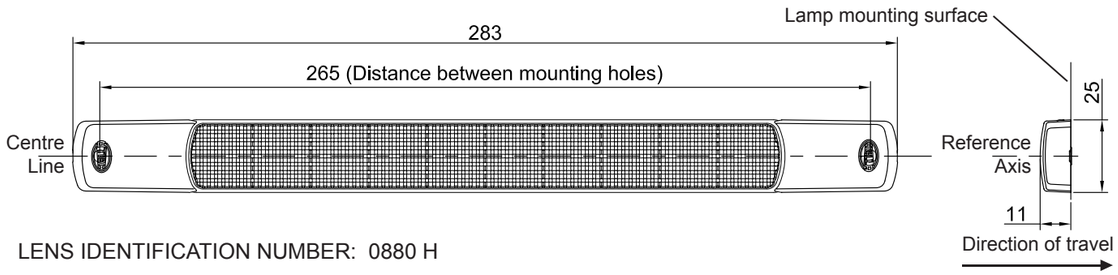
Lens Marking and Installation Requirements

This Stop / Rear Position Lamp, identified by lens marking E24 5891 and the HELLA logo was manufactured to comply with:

ECE Regulation No. 7 Rear Position (side) / Stop Lamp

- A tolerance of +/-3° applies on all mounting details.
- Lamp module mounting surface must be vertical to the ground and facing to the rear.
- 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 600 mm together.
- Lamp is approved to be mounted with an allowable rotation of 360° (see diagram over page).

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



LENS IDENTIFICATION NUMBER: 0880 H

Product Contents

Description	Quantity
LED Stop/Rear Position Lamp with 0.3 m cables	x1
Screw Cap	x2
Mounting Screw	x2
Application and Mounting Instructions	x1

Hella-New Zealand Limited, Auckland.

958 315-38 V01

HELLA KGaA Hueck & Co.

Technical description

Technische Beschreibung

Type: *Typ:* **2SB 980 887**

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Function(s): *Function(s):* **Rear Position- Stop Lamp for Automobile**

Shape of device: *Form des Gerätes:* **Rectangular, rounded** *Rechteckig, abgerundet*

Remark: *Bemerkung:* **For left- or right hand flush- or surface mounting** *Für links- oder rechtsseitigen Ein- oder Anbau*

Description of the lens(es): *Beschreibung der Abschluss-Scheibe(n):*

Function *Funktion*	Material *Material*	Colour *Farbe*	Optical system *Optisches System*	Light source *Lichtquelle*
* **Rear Position Lamp** *Schlussleuchte*	**Plastic** *Kunststoff*	**Colourless** *Glasklar*	**Outside: Pillow optic** *Aussen: Kissenoptik* **Inside: Fresnel optic** *Innen: Fresnelloptik*	**10 LEDs**
* **Stop Lamp** *Bremsleuchte*	**Plastic** *Kunststoff*	**Colourless** *Glasklar*	**Outside: Pillow optic** *Aussen: Kissenoptik* **Inside: Fresnel optic** *Innen: Fresnelloptik*	**10 LEDs**

* **The failure of one LED will be compensated by a higher current supply.**
Der Ausfall einer LED wird kompensiert durch höhere Stromzufuhr.

Technical features: *Technische Merkmale:*

Backplate, material: *Grundplatte, Material:* **Plastic (PC, PMMA, ABS, ASA, PA ...)** *Kunststoff (PC, PMMA, ABS, ASA, PA ...*

Backplate, material: *Grundplatte, Material:* **Untreated** *Unbehandelt*

Gasket between housing and outer lens: *Abdichtung zwischen Gehäuse und Lichtscheibe:* **Fully sealed** *Vollständig abgedichtet*

Gasket between housing and car body: *Abdichtung zwischen Gehäuse und Karosserie:* -

Fastening the device to the automobile: *Befestigungsart der Leuchte an die Karosserie:* **With two screws** *Mit zwei Schrauben*

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Mounting instruction

Anbauanweisung

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Belongs to approval no.: *Gehört zu Gen.-Nr.:* **E24 5891**

Rear Position- Stop Lamp for Automobile
Schluss- Bremsleuchte für Kraftfahrzeuge

Light source(s): *Lichtquelle(n):* **10 LEDs**

	Rear Position Lamp *Schlussleuchte*	Stop Lamp *Bremsleuchte*
Test voltage: *Prüfspannung:*	**13.5 V or** / *oder* **28 V**	**13.5V or** / *oder* **28 V**
Nominal voltage: *Nennspannung:*	**12 V or** / *oder* **24 V**	**12 V or** / *oder* **24 V**
Nominal wattage: *Nennleistung:*	**0.5 W**	**3 W**

⌑ = **Centre of reference in accordance with the ECE-Regulation-No. 7.**
Bezugspunkt nach der ECE-Regelung-Nr. 7.

✧ = **Centre of reference for the definition for illuminating surface in accordance with the Council Directive 76/756 EEC or ECE-Regulation No. 48 (see Annex A).**
Bezugspunkt zur Bestimmung der Grenzen der leuchtenden Fläche nach 76/756 EWG bzw. ECE-Regelung Nr. 48. Markierung s. auf der Abschluss-Scheibe. Maße s. Anlage A.

Axis of reference: *Bezugsachse:* **Parallel to the car centre line and parallel to the road.** *Parallel zur Fahrzeuglängsachse und parallel zur Fahrbahn.*

For left- or right hand vertical flush- or surface mounting.
Für links- oder rechtsseitigen, horizontalen oder vertikalen Ein- oder Anbau.

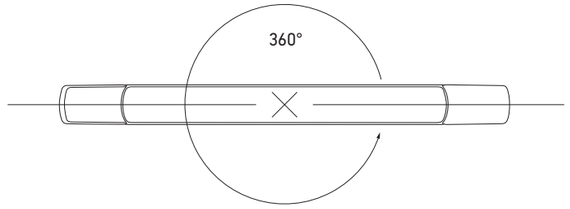
Permissible rotation around the reference axis: 360° (a = 0° ÷ 360°).
Zulässige Drehung um die Bezugsachse: 360° (a = 0° ÷ 360°).

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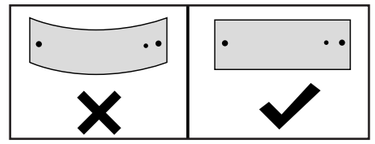
Mounting Tolerance

360° 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 cables through a hole, ensure there are no sharp edges to cut or chafe the cables. Alternatively, the cables 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
White	Earth (-)	-
Red	Stop (+)	3 watts
Brown	Rear Position (+)	< 0.5 watt

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

Mounting instruction
Anbauanweisung

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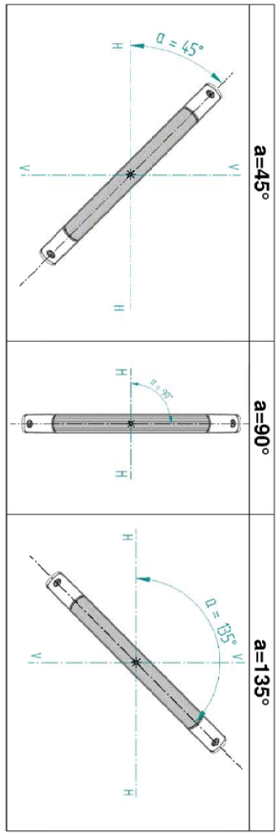
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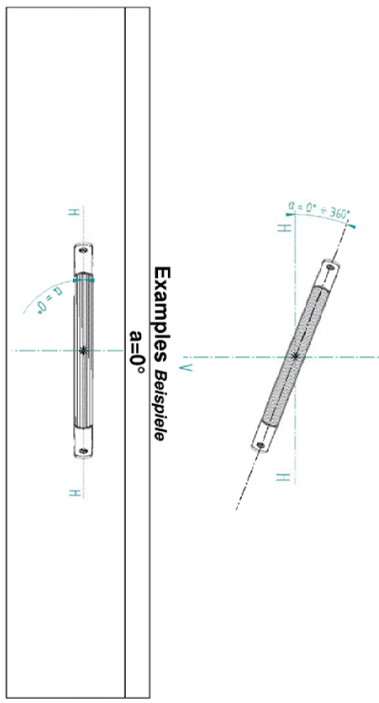
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Rear Position- Stop Lamp for Automobile
Schluss- Bremsleuchte für Kraftfahrzeuge

Permissible installation angles for a = 0 +360°
(rotation only within the same vertical plane around ✱ possible)
Anbau zulässig für Installationswinkel a = 0°+ 360°: Drehung um ✱ nur innerhalb der gleichen vertikalen Ebene zulässig

Examples *Beispiele*





Mounting instruction
Anbauanweisung

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