



INSTRUCTION SHEET

for: **Part No. 2DA 980 887-xxx / 5245**

APPLICATION AND
MOUNTING INSTRUCTIONS

LED HIGH LEVEL BRAKE LIGHT

2DA 980 887-3xx / 5245: **12V DC Only**
2DA 980 887-4xx / 5245-24V: **24V DC Only**

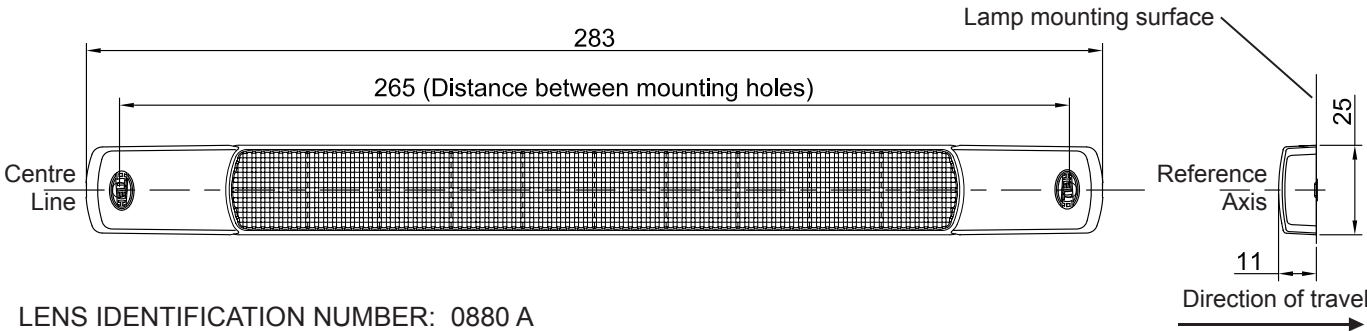
Lens Marking and Installation Requirements

This High Level Brake Light identified by lens marking **(E24)** 0087 and the **HELLA**® logo was manufactured to comply with:

ECE Regulation No. 7 Rear Position (side) / Stop Lamp (Category S3)

- A tolerance of +/-3° applies on all mounting details.
- Lamp mounting surface must be vertical to the ground, and at right angles to the longitudinal axis of the vehicle.
- Lamp module must be visible from 10° inboard and outboard, as well as from 10° above and 5° below the horizontal axis.
- Lamp module must be fitted at a height of no more than 150mm below the lower edge of the rear window, and no less than 850mm above the road surface.
- Lamp module must be placed above the existing stop lamps and as close to the centreline of the vehicle as physically possible.
- Lamp is approved to be mounted horizontally and vertically with an allowable rotation shown in the diagram over page.

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



LENS IDENTIFICATION NUMBER: 0880 A

Product Contents

Description	2DA 980 887-3xx 5245	2DA 980 887-4xx 5245-24V
LED High Level Brake Light with 2.5 m cable	x1	x1
Screw Cap	x2	x2
Mounting Screw	x2	x2
Application and Mounting Instructions	x1	x1

Hella-New Zealand Limited, Auckland.



HELLA KGaA Hueck & Co.

Technical Description
Technische Beschreibung
Typ: **2DA 980 887**

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Function(s): Stop Lamp of category S3
Bezirgige Funktion(en): Zusätzliche zentrale Bremsleuchte, Kat. S3
Shape of device: Rectangular, rounded
Form des Gerätes: Rechteckig, abgerundet
Bemerk: For horizontal or vertical flush- or surface mounting
Bemerkung: Für horizontalen oder vertikalen Ein- oder Anbau

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

Function Funktion	Material Material	Colour Farbe	Optical System Optische System	Light source Lichtquelle
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Stop Lamp of category S3 Zusätzliche zentrale Bremsleuchte	Plastic Kunststoff	Colourless Glasklar	Outside: Pillow optic Ausßen: Kissenoptik Inside: Fresnel optic Innen: Fresneloptik	10 LEDs*
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* If one LED failed, the remaining LEDs fulfil the requirements.
Wenn eine LED ausfällt, erfüllen die verbleibenden LEDs die Bedingungen.

Test voltage: 13.5 V or / oder 28 V
Prüfspannung:
Nominal voltage: 12 V or / oder 24 V
Nennspannung:
Nominal power: 3 W
Nennleistung:

Description of the reflector:
Beschreibung der Reflektoreinrichtung(en):

Function Funktion	Type Art	Material Material	Coated surface Optisch wirksame Fläche
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Technical Features:
Technische Merkmale:

Backplate, material: Plastic (PC, PMMA, ABS, ASA, PA ...)
Grundplatte, Material: Kunststoff (PC, PMMA, ABS, ASA, PA ...)
Backplate, surface: Untreated
Grundplatte, Oberfläche: Unbehandelt
Gasket between housing and outer lens: Fully sealed
Abdichtung zwischen Gehäuse und Lichtscheibe: Vollständig abgedichtet
Gasket between housing and car body: --
Abdichtung zwischen Gehäuse und Karosserie: --
Fastening the device to the automobile: With two screws
Befestigungsart der Leuchte an die Karosserie: Mit zwei Schrauben



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Mounting Instruction
Anbauanweisung
Typ: **2DA 980 887**

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Belongs to approval no.: E24 0087
Gehört zu Gen. Nr.:

Stop Lamp of cat. S3 for vehicles
Zusätzliche zentrale Bremsleuchte, Kat. S3 für Kraftfahrzeuge

Light source(s):
Lichtquelle(n):

Stop Lamp: 10 LEDs
Bremsleuchte: 10 LEDs

Test voltage: 13.5 V or / oder 28 V
Prüfspannung:
Nominal voltage: 12 V or / oder 24 V
Nennspannung:
Nominal wattage: 3 W
Nennleistung:

☐ = Centre of reference in accordance with the ECE-Regulation – No. 7.
☐ = Bezugspunkt nach den 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: Parallel to the car centre line and parallel to the road.
Bezugsachse: Parallel zur Fahrzeugängsachse und parallel zur Fahrbahn.

The lamp can be used for horizontal or vertical flush- or surface mounting.
Die Leuchte darf für den horizontalen oder vertikalen Ein- oder Anbau verwendet werden.

Permissible mounting installation position of the lamp, maintaining the reference axis horizontal:

- a and b = 15°
 - c and d = 12°
- Zulässige Anbauposition der Leuchte, in Bezug auf der horizontalen Referenzachse:
- a and b = 15°
 - c and d = 12°

The Lamp can be rotated 180° around the reference axis.

Das Leuchte darf auch 180° gedreht um die Bezugsachse angebaut werden.



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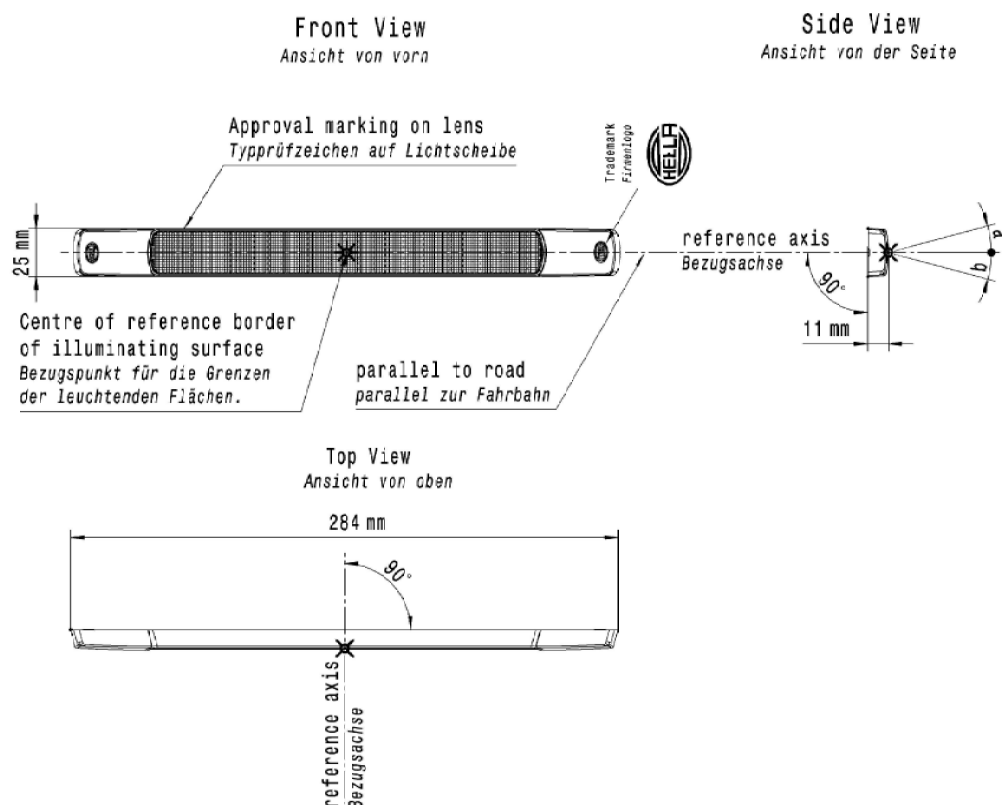
Stop Lamp of cat. S3 for vehicles
Zusätzliche zentrale Bremsleuchte, Kat. S3 für Kraftfahrzeuge

Mounting Instruction

Anbauanweisung

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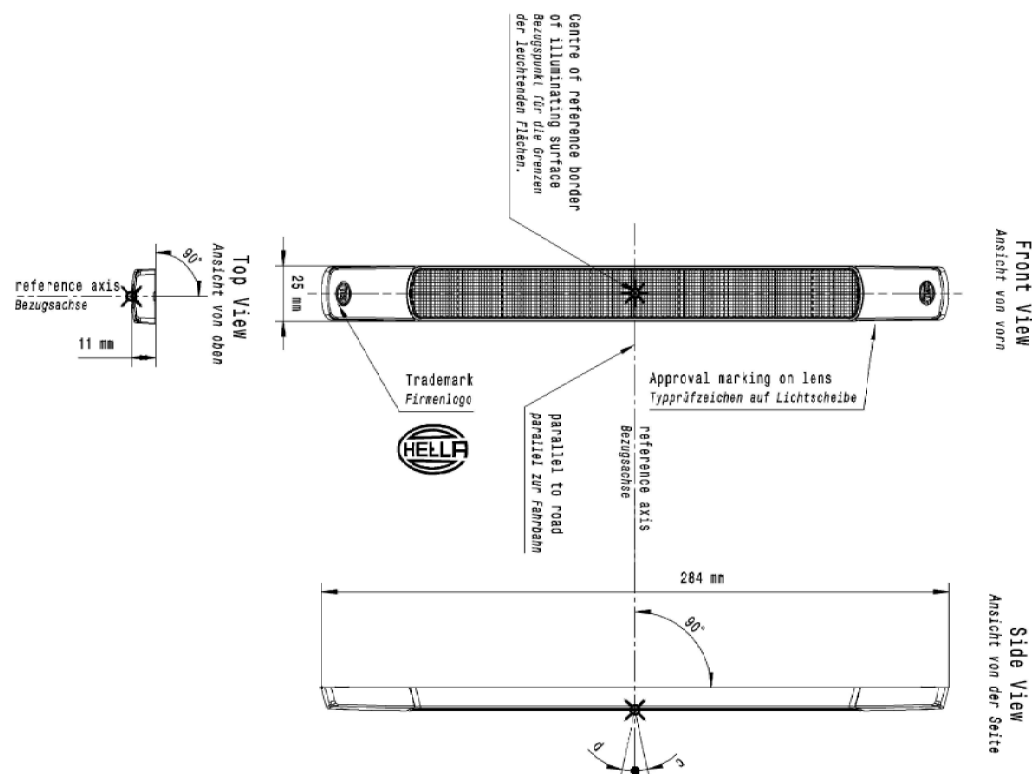
Stop Lamp of cat. S3 for vehicles
Zusätzliche zentrale Bremsleuchte, Kat. S3 für Kraftfahrzeuge

Mounting Instruction

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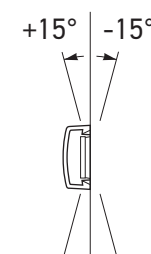
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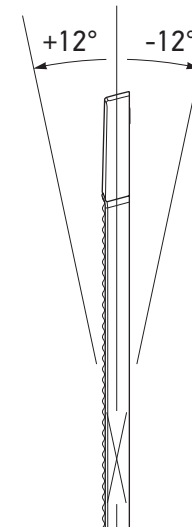


Mounting Tolerance

For horizontal orientation

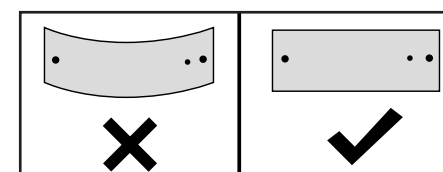


For vertical orientation



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	Stop (+)	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

