

INSTRUCTION SHEET

for: **Part No. 2XS 980 990-6xx**



APPLICATION AND MOUNTING INSTRUCTIONS

DuraLED® REAR END-OUTLINE MARKER LAMP / POSITION (SIDE) LAMP **Multivolt (Suitable for 12 and 24 volt systems)**

Lens Marking and Installation Requirements

This Lamp, identified by lens marking R1 02 (E24) 5892, a black backplate and the logo was manufactured to comply with ECE Regulation 7 for Rear Position (Side) / End-outline Marker Lamps.

- Lamp reference axis must be horizontal.
- Lamp mounting surface must be vertical to the ground and be square to the longitudinal axis of the vehicle.

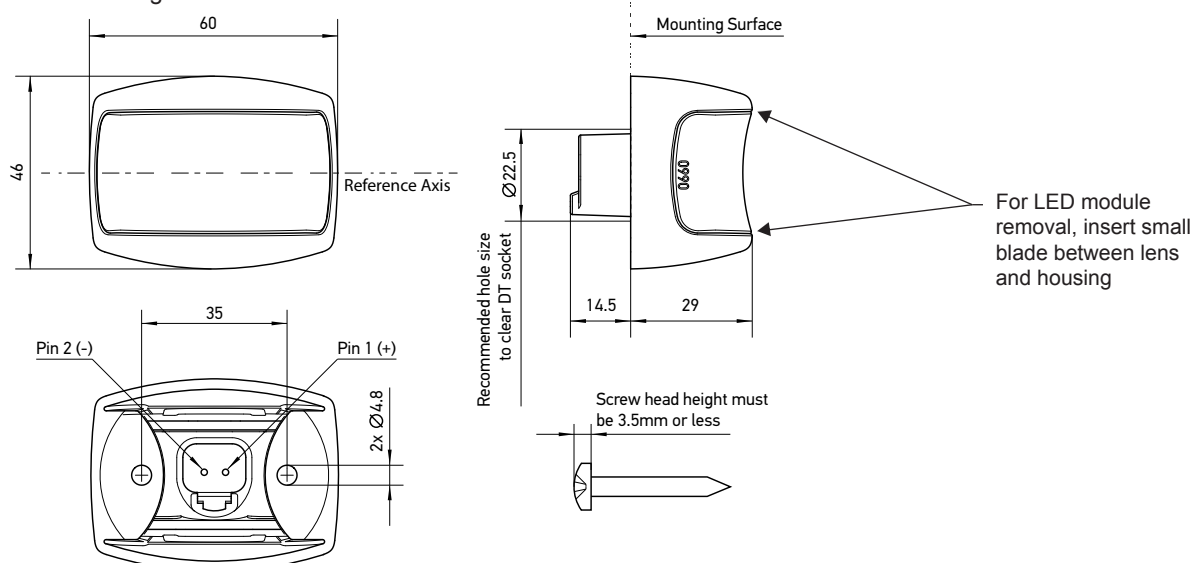
Rear End-Outline Marker Lamp must be visible between:

- Horizontal angle: 0° inwards (parallel with vehicle axis) and 80° outwards
- Vertical angle: 5° above and 20° below the horizontal

Rear Position (Side) Lamp must be visible between:

- Horizontal angle: 45° inwards and 80° outwards
- Vertical angle: 15° above and below the horizontal

Please refer to ECE Regulation 48 for more details.



Lamp Mounting Instructions

- Lamp should be mounted on a flat surface.
- The housing may be used as a template for the mounting holes. Do not mount the lamp where damage is likely to be sustained due to tie-downs and other securing devices.
- Drill two holes up to Ø5 mm at 35mm centres.
- A minimum hole size of Ø22.5 mm is required for the Deutsch 2-way socket in the backplate.
- Mount the housing using Ø4 mm screws or bolts with maximum head height of 3.5mm (not included).
- Prepare the lamp cable (not supplied) using the correct plug connector (Deutsch P/N DT06-2S), wedge (Deutsch P/N W2S) and terminals (Deutsch P/N 0462-201-16141).
- Push the LED module firmly into the housing until it snaps into position.

LED Module Instructions

The LED module is securely fastened to prevent dislodging in service, and removal would not normally be required.

If it becomes necessary to remove the module, insert a small blade on both sides of the LED module and the housing at the correct position and prise the module free from the housing (See diagram above).

Note: The LED module is fully sealed and has no serviceable components.

Wiring Colour Coding

The LED lamp is multi voltage capable for optimum brightness in 12 and 24 Volt systems.

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.

Pin No.	Connect to	Power Consumption
1	Positive (+)	< 1W
2	Earth (-)	-

NB: Lamp must be protected by a fuse rated at 2 amperes maximum.

HELLA-New Zealand Limited, Auckland



Mounting instruction

Anbauanweisung

Type: 2PF 980 990

Typ:

HELLA KGaA Hueck & Co.

HELLA Part-No.: (2PF 980 990)
HELLA Bestell-Nr.: (2XS 980 990)

L-DL-FSCT

09.02.2015

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Belongs to approval no.: E24 5892

Gehört zu Gen.-Nr.:

Front Position- or Rear Position Lamp for Automobile
Vordere Begrenzungs- oder Schlussleuchte für Kraftfahrzeuge

Light source(s): 2 LEDs
Lichtquelle(n):

Test voltage: 13.5 V or / oder 28.0 V
Prüfspannung:

Nominal voltage: 12.0 V or / oder 24.0 V
Nennspannung:

Nominal wattage: < 1W
Nennleistung:

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 Abschlusss-Skizze; 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 mounted 180° round the reference axis.
Die Leuchte darf auch 180° um die Bezugsachse eingebaut werden.

Mounting of the left hand unit is illustrated. Right hand unit to be mounted mirror inverted.
Einbau des linken Gerätes dargestellt. Der Einbau des rechten Gerätes erfolgt spiegelbildlich.



Mounting instruction

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Belongs to approval no.: E24 5892

Gehört zu Gen.-Nr.:

Rear Position Lamp for Automobile
Schlussleuchte für Kraftfahrzeuge

