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	Backplate, material: Plastic (PC, PMMA, ABS, ASA, PA) Grundplatte, Material: Kunsistoff (PC, PMMA, ABS, ASA, PA) Backplate, surface: Untreated Grundplatte, Oberfläche: Untreated Grundplatte, Oberfläche: Untreated Gasket between housing and outer lens: Fully sealed Gasket between housing and outer lens: Fully sealed Vollständig abgedichtet Vollständig abgedichtet	gr Kunstsioff G Greenaining LEDs tulfil D, erfüllen die verbleibender	versing Lamp for Automobile Arlanscheinwerler für Kraftlahrzeuge ctangular, rounded Inteckig, abgerundet r left- or right hand vertical flush- or surface mounting links- oder rechtsseltigen vertikalen Ein- oder Anbau inks- oder rechtsseltigen vertikalen Ein- oder Anbau Scheibe(n): Material Colour Optical system Light sourd Material Farbe	Technical description L-DL-FSCT Ke Technische Beschreibung 12.02.2015 Typ: 2ZR 980 889-AA Page 1 Seife 1 Seife 1
	rechtsse rotation hung in F	Nennieistung: 3 W Image: I	Belongs to approval no.: E24 0028 Gehört zu GenMr.: Reversing Lamp for Automobile Hückfahrscheinwerfer für Kraftlahrzeuge Licht source(s): 10 LEDs Lichtquelle(n): 10 LEDs Test voltage: 13.5 V or / oder 28 V Prülspannung: 12 V or / oder 28 V Nominal voltage: 12 V or / oder 24 V	Mounting instruction L-DL-FSCT Ke Anbauanweisung 12.02.2015 HELLA KGaA Hueck & Co. Type: 2ZR 980 889-AA Page 1 / 3 Seite 1 / 3

AF MOUN	
LED REVERSING LAMP - VER	
2ZR 980 889-1xx / 1468V:	12
2ZR 980 889-3xx / 1468V-24V:	24
Lens Marking and Installation	Req

This Reversing Lamp identified by lens marking (E24) 0028 and the 🕮 logo was manufactured to comply with:

ECE Regulation 23 Category AR for Reversing Lamps.

- 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 45° outboard, as well as from 15° above and to 5° below the horizontal axis.
- Lamp modules must not be mounted less than 250 mm and more than 1200 mm above the ground.
- Lamp is approved to be mounted vertically with an allowable rotation of +/-15° (see diagram over page).

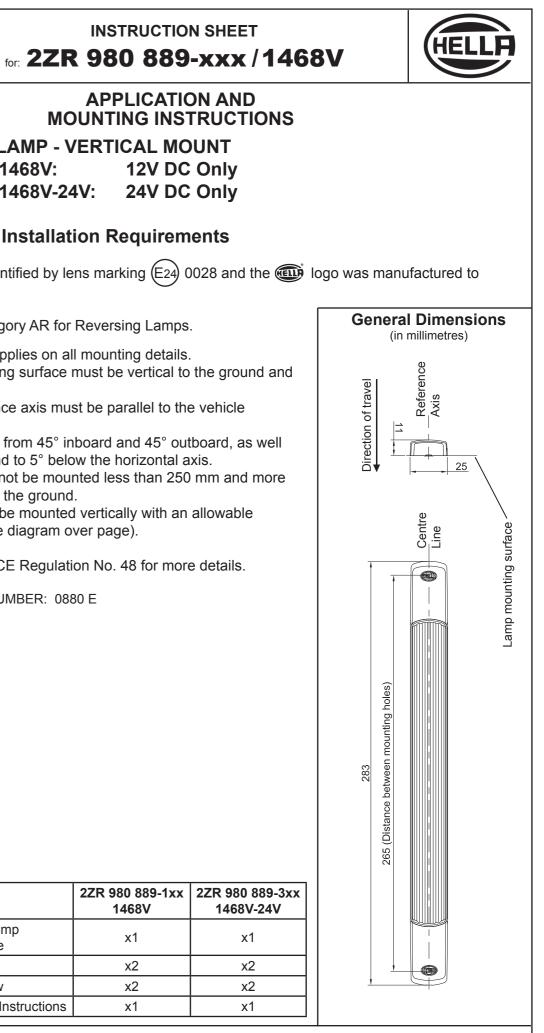
Note: Please refer to ECE Regulation No. 48 for more details.

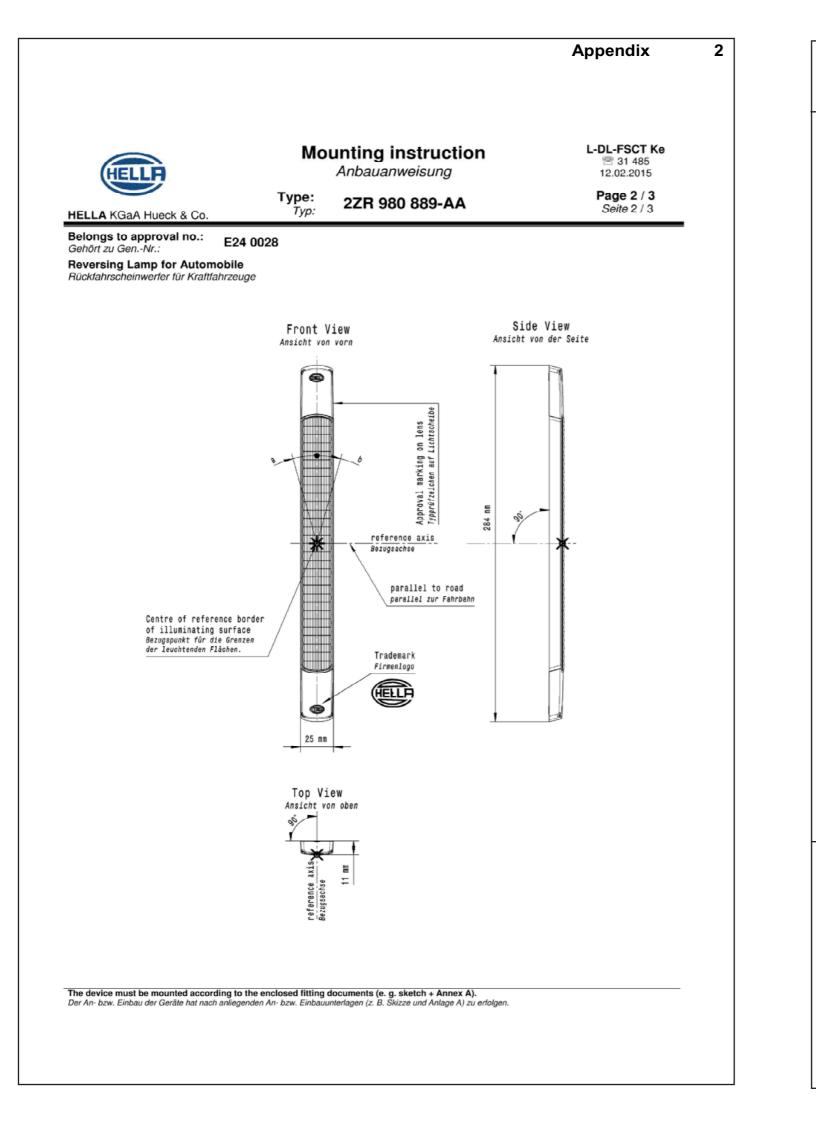
LENS IDENTIFICATION NUMBER: 0880 E

Product Contents

Description	2ZR 980 889-1xx 1468V
LED Reversing Lamp with 2.5 m cable	x1
Screw Cap	x2
Mounting Screw	x2
Application and Mounting Instructions	x1

Hella-New Zealand Limited, Auckland





INSTRUCTION SHEET for: 2ZR 980 889-xxx / 1468V Mounting Tolerance Vertical mount: +/- 15° rotation around lamp (and vehicle) axis. Mounting Instructions Lamp must be mounted on a flat surface with no curvature. Х 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 torgue 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 Black Earth (-) Red Reversing (+) Note: Lamp must be protected by a fuse rated at 3 amperes maximum. Compatibility to existing electrical systems

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It is important for the installer to ascertain the compatibility of the low power consumption LED lamps with the electrical and/or electronic systems of the complete vehicle, including trailers. In most cases the reduced power consumption is beneficial by imposing less demands on the entire electrical system. For certain functions some electrical systems rely on a set power consumption for monitoring whether, for example, a trailer is connected.

Operation of this lamp using alternating current or modulated direct voltage will cause premature light failure. HELLA recommends connecting ADR or ECE certified LED signal and marker lamps to a continuous (unmodulated) 12V or 24V power supply to ensure safe light operation.

FIT AND FORGET - BY DESIGN

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

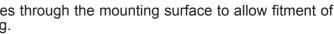
Following the launch of the first LED automotive signal lamps in 1990, HELLA Design and Innovation continues to set new standards. HELLA innovative solutions have been incorporated into millions of lamps, engineered and tested to the most stringent standards, to suit the most demanding environmental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







Power Consumption		
-		
3 watts		



