Important Notes for Installer and Vehicle Owner



Introduction

This LED lamp offers many advantages over conventional bulb lamps. Significantly reduced power consumption, ultra long life and high tolerance to shock and vibration make these HELLA LED lamps an outstanding investment into your safety.

Daytime Running Lamps

Daytime running lamps are not a substitute for dipped beam headlights at dusk/dawn or during darkness. It is important for the installer to check that the daytime running lamps illuminate only when the vehicle lighting is switched OFF and the ignition is switched ON.

Compatibility to existing electrical systems

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. In most cases the small additional power consumption of the daytime running lamp will not impose significant demands to the electrical system of the vehicle.

Electromagnetic Compatibility (EMC)

This LED lamp in an electronic device. The electrical circuits contain components that suppress possible interference, both emission as well as susceptibility, to the technical requirements for the application of the Regulatory Compliance Mark (RCM). Additionally the electrical circuits conform to the limits prescribed in UNECE Vehicle Regulation No. 10.

Protection against damage due to voltage spikes

This LED lamp is protected against damage from positive voltage spikes caused by events such as load dump conditions specified in ISO 7637-2.

The lamp is protected against reverse polarity connection and reverse voltage spikes up to minus 1000 volts.

Electric Welding

Electric Welding may damage the LED lamps. For LED lamps, HELLA recommends the negative connection to be wired isolated from the vehicle chassis. If the lamp uses the chassis as the earth return it is recommended that this earth return is disconnected during electric welding.

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

APPLICATION AND MOUNTING INSTRUCTIONS

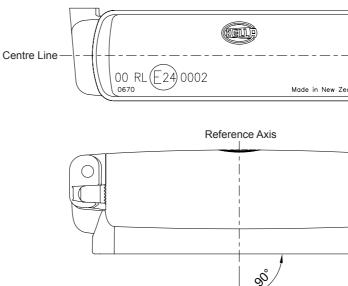
LED DAYTIME RUNNING LAMP (DRL) KIT 12V DC Only

Lens Marking and Installation Requirements

This lamp, identified by lens marking (E_{24}) 0002 and the (E_{24}) logo was manufactured to comply with ECE Regulation No. 87 for Daytime Running Lamp.

- The reference axis of the lamp must be parallel to the longitudinal axis of the vehicle (i.e. The lens of the lamp should be vertical to the ground and perpendicular to the direction of travel).
- The centre line of the lamp must be parallel to the ground.
- Lamp must be visible from 20° inboard and outboard, as well as from 10° above and below the horizontal axis.
- Two lamps are required for motor vehicles.
- Lamps must be mounted no less than 250 mm and no more than 1500 mm above the ground.
- Lamps should not be mounted closer than 600 mm together (400 mm if vehicle width is less than 1300 mm).

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



LENS IDENTIFICATION NUMBER: 00 RL E24 0002

Product Contents

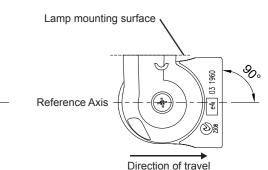
Daytime Running Lamp with 2.5 m cable	x2
DRL Foot A	x2
DRL Foot B	x2
Stainless Steel DRL Foot Fastening Screw	x4
Stainless Steel DRL Mounting Bolt, Nut & Washer	x4
Application and Mounting Instructions	x1

703-32 V06

HELLA-New Zealand Limited, Auckland,



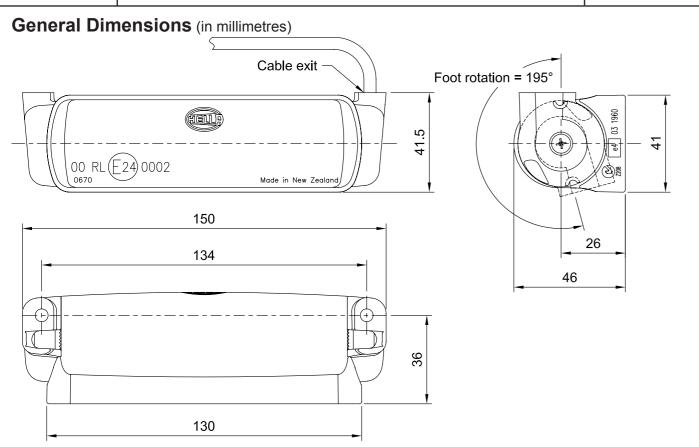










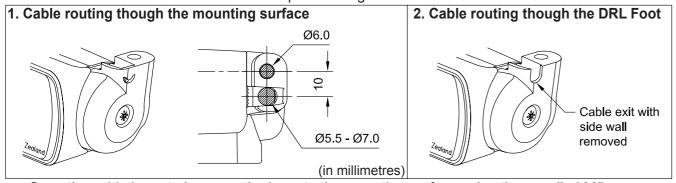


Foot Assembly

- DRL Foot A, marked with an "A" on the inside, can be assembled to the cable end of the lamp.
- DRL Foot B, marked with an "B" on the inside, can be assembled to the opposite end of the lamp.
- The DRL Feet can be rotated from 0° to 195° in 5° increments to suit mounting surfaces that are not horizontal in their orientation. See General Dimensions above.
- Once the DRL Feet are in the desired location, tighten the Foot Fastening Screws until they are • secure (maximum torque of 1.5Nm).

Mounting and Cable Routing

- Drill two 6 mm Ø mounting holes at 134 mm centres through the mounting surface. See General Dimensions and Installation Requirements for correct positioning.
- There are two options to route the cable: ٠
 - 1. Cable routing though the mounting surface: Drill a 5.5 to 7.0 mm Ø hole as per the diagram on the page opposite. Ensure that the hole has no sharp edges to cut or chafe the cable when it is fed through the hole.
 - 2. Cable routing through the DRL Foot: Using side cutters make two vertical cuts to remove the side wall of the DRL Foot as per the diagram below.



Once the cable is routed, secure the lamp to the mounting surface using the supplied M5 screws, washers and nuts.

INSTRUCTION SHEET

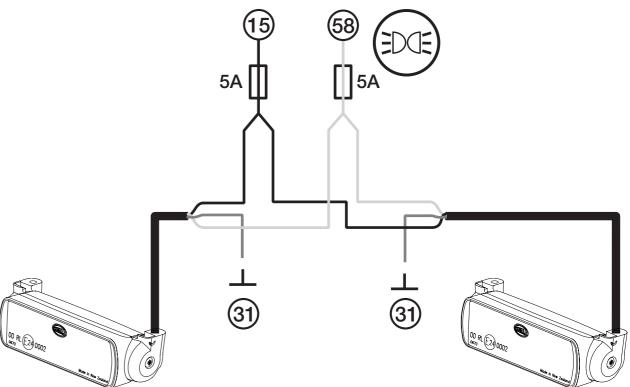
for: Part No. 5617-OE12V / 2PT 980 670-931

Wiring Instructions

will automatically switch OFF when power (+) is applied to the GREY cable when the vehicle's lighting is switched ON.

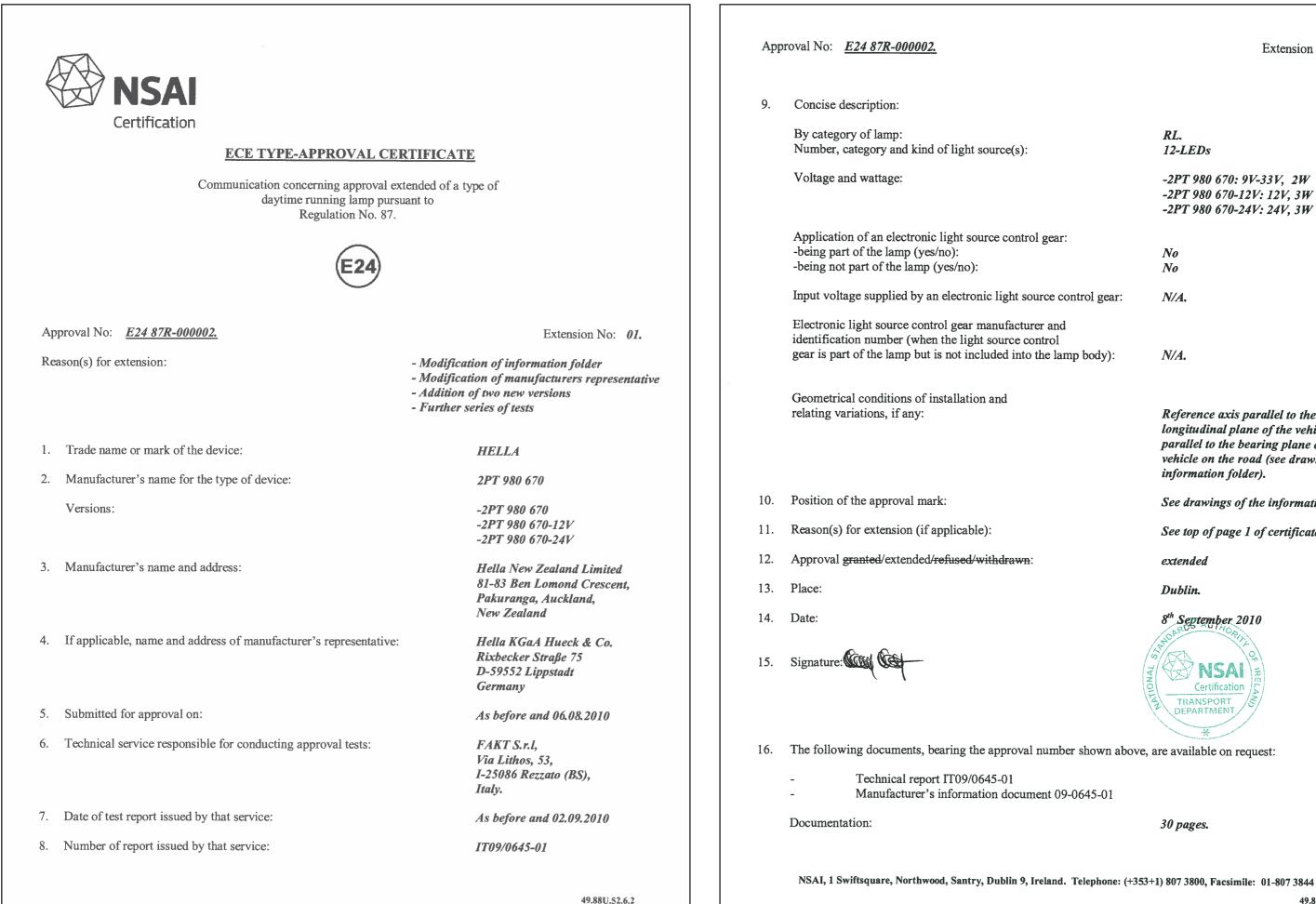
Colour	Connect to	Function	Power Consumption
Brown	Terminal (31): Earth (-)	-	-
Black	Terminal (15): Ignition (+)	DRL ON	3 watts
Grey	Either, Terminal 58: Front Position Lamp (+) Or, Terminal 56: Headlamp - Dipped Beam (+)	DRL OFF	-

Note 1: Lamp must be protected by a fuse rated at 5 amperes maximum. Note 2: Lamp is polarity conscious. The reversal of the polarity will not damage this product but will inhibit its function.





This LED lamp will illuminate when the supply voltage (+) is applied to the BLACK wire. The lamp



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Extension No: N/A

RL. 12-LEDs

-2PT 980 670: 9V-33V, 2W -2PT 980 670-12V: 12V, 3W -2PT 980 670-24V: 24V, 3W

No No

N/A.

N/A.

Reference axis parallel to the median longitudinal plane of the vehicle and parallel to the bearing plane of the vehicle on the road (see drawings of the information folder).

See drawings of the information folder

See top of page 1 of certificate

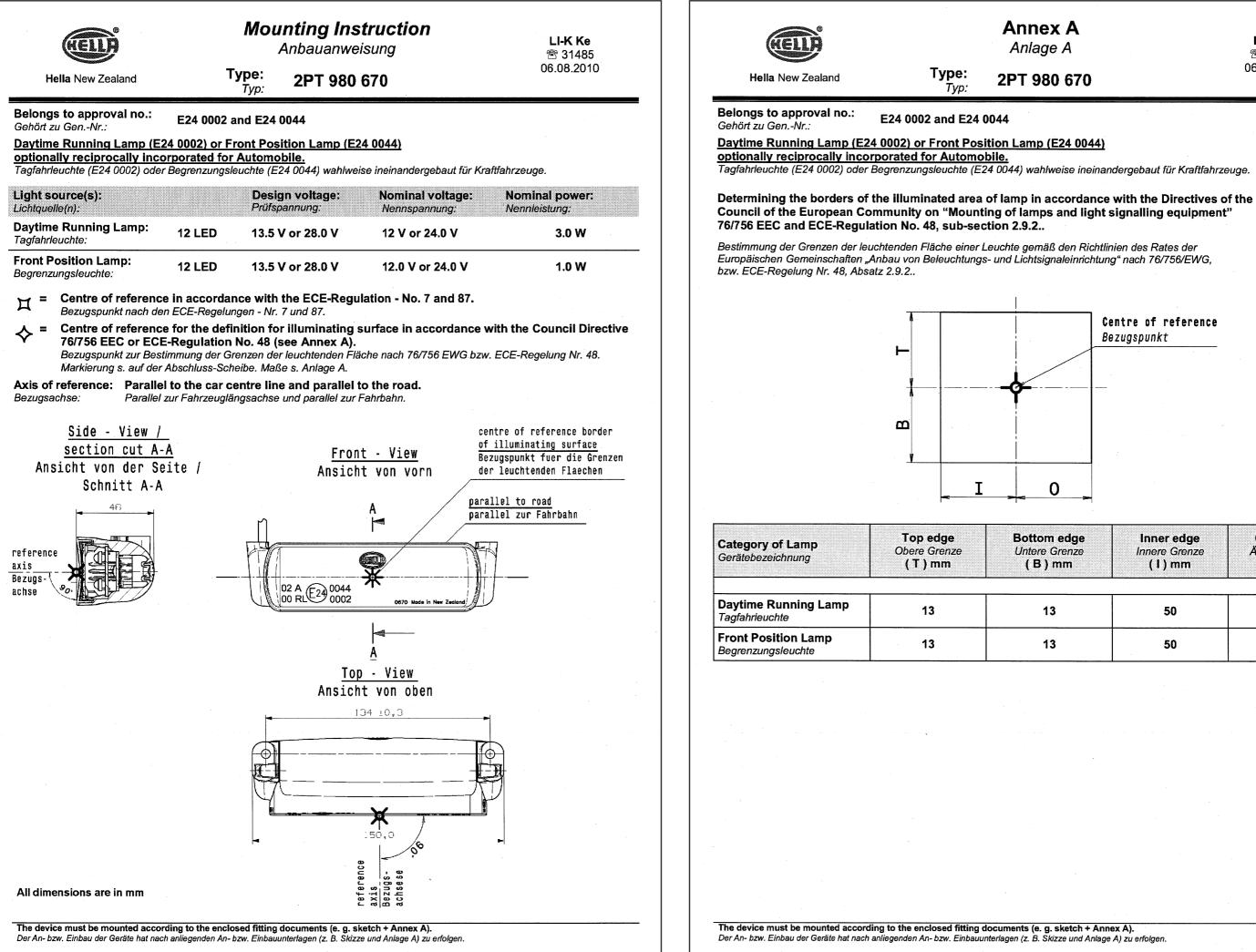
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e Grenze Innere Grenze Äußere Grenze) mm (1) mm (O) mm	om edge	Inner edge	Outer edge
	e Grenze	Innere Grenze	Äußere Grenze

13	50	50
13	50	50