

INSTRUCTION SHEET

for: **Part No. 980740xx DuraLED Work Lamp - 24V**



Introduction

HELLA LED products offer many advantages over conventional bulb lamps. Significantly reduced power consumption, ultra long life and high tolerance to shock and vibration make LED lamps the ideal choice for the harsh automotive environment.

Light Source	LED
Luminaire performance*	~900 lumens
Colour Temperature	5000K
Operating Voltage	24V DC
Power Consumption	14W (0.58A @ 24V)
Degree of Protection	Overvoltage, reverse polarity and spike protected IP 6K7 / IP 6K9K - Completely sealed
Housing Material	*Non-metal* thermally conductive housing
Lens Material	Heavy duty Grilamid®
Bracket Material	316 Stainless steel
Cable	Pre-wired with 2.5 m cable
Manufacturing Location	New Zealand

* Luminaire Performance refers to the real performance of the lamp, not the much higher theoretical performance of the LEDs, as is often used.

RFCommSafe™ Electromagnetic Compatibility (EMC)

Every LED lamp contains electronic circuitry. It is essential that this circuitry does not cause harmful interference to other devices and at the same time is not susceptible to radiation from other devices.

RFCommSafe™ products were developed in recognition that some radio communication equipment can self-tune to be very sensitive in remote areas. In these situations the limits prescribed by regulatory requirements and as defined in international standards such as CISPR15 or relevant UNECE Standards may not be sufficient to ensure there is no interference with very sensitive radio communication equipment.

Lamps marketed as RFCommSafe™ are designed to go well beyond the requirements of CISPR15, CISPR25 and UNECE Standards.



Protection against damage due to voltage spikes

This lamp is protected against overvoltage, positive spikes, reverse polarity connection and negative voltage spikes of up to 1000 volts.

Wiring Colour Coding

LED modules are polarity conscious. Reverse 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.

Cable colour	Connect to	Power Consumption
White / Black	Negative (-)	-
Yellow	Positive (+)	14W

Lamp must be protected by a fuse rated at 5 amperes maximum.

Angle adjustment and care

The lamp is equipped with friction washers, which allow the lamp to remain in a fixed position, however it still may be easily adjusted by hand. The swivel resistance can be adjusted by gradually tightening or loosening the end cap screws located on each side. It is important that both friction mounts are adjusted to apply similar friction and that the screws are not over tightened (max 2.5 N·m).

This lamp features an advanced technology, thermally conductive but non-metallic housing. Whilst completely corrosion and weather proof, the surface can be prone to mechanical marking which in no way affects its thermal transfer function or durability against long term harsh UV exposure and chemicals.

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

