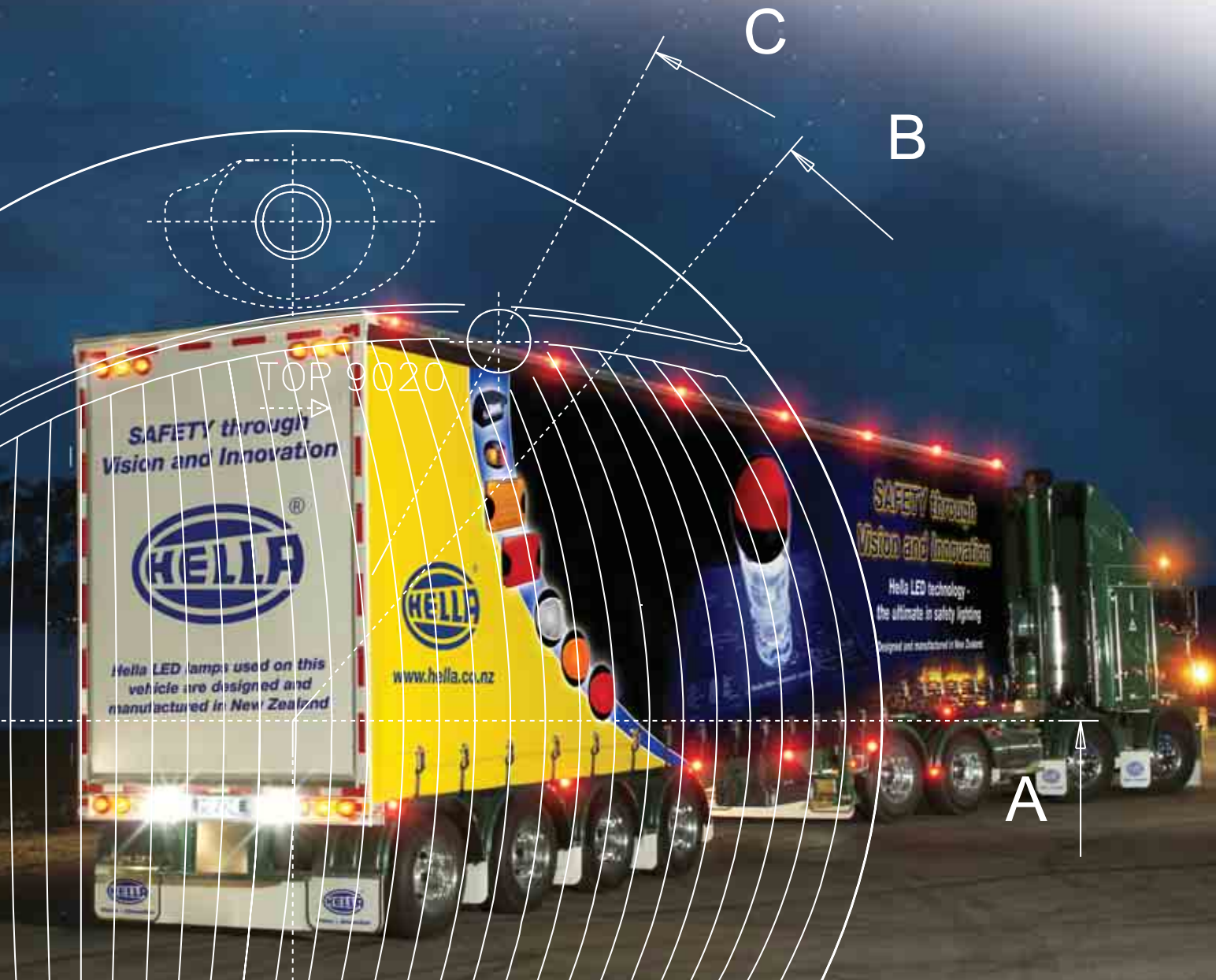




Hella New Zealand Catalogue 2005/2006

Road Transport Lighting, Safety Lighting and Accessories



Vision and Innovation





LED Lamps





LED Lamps

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Hella-New Zealand Multivolt® LED lamps are designed to provide full light output across a wide range of available voltages.





Hella's growing range of LED (Light Emitting Diode) lamps has been accepted as the most advanced one-step solution to problems with lighting in the commercial transport industry. Since the Hella LED (Light Emitting Diode) lighting system was first introduced a few years ago, our advanced and innovative technology has set new standards and received considerable worldwide recognition. Hella has developed the technologies that have built millions of lamps, engineered and tested to the highest standards, to suit New Zealand and Australian conditions.

LED technology has enormous benefits for the transport industry, the most obvious being the reduction in maintenance requirements allowing transport operators to significantly reduce vehicle servicing down times, as there are no bulbs to replace or bulb holders to corrode.

Hella's LED lamps operate with up to 80% less power consumption than comparable bulb lamps and are required to remain fully operational under severe cold, heat and humidity while being subjected to high levels of vibration. Hella has extensive test and development facilities to test its products and Hella LED lamps come with a 3 year, unlimited mileage warranty.

Low power consumption Hella DuraLed and EuroLED lamps with ultra thick acrylic lenses - the truly long term lighting solution and environmentally friendly choice.

The subject of Acrylic (PMMA) lenses versus Polycarbonate (PC) is frequently raised by the industry.

Lamps made with PC lenses are sensitive to chemical attacks and industry warranty statements go as far as prohibiting liquid washing detergents.

For most commercial transport applications Hella chooses to manufacture sealed LED lamps from a specially formulated High Impact Acrylic with Enhanced Chemical Resistance. Our specially formulated High Impact Acrylic offers many advantages: ultra long-term resistance against fading and UV damage, and enhanced chemical resistance, including all commonly used wash liquids, are just some of them.

In a world consuming resources at an ever faster rate, our DuraLed and EuroLED lamps with High Impact Acrylic lenses are the truly long term investment.

LED lamps made from our special High Impact Acrylic can also be refurbished to near original condition by polishing out fine scratches and road grime. As illustrated, a lamp with over 4 years of active road use can be returned to pristine condition.

Due to the properties of Polycarbonate, refurbishing by polishing is not a viable option.

All the LED lamps in this section are designed and manufactured in New Zealand.



Acrylic lamps can be polished to look like new.



LED MULTIVOLT®

One of the leading advantages of Hella's LED technology is the unique Multivolt circuitry fitted to most LED lamps, ensuring a uniform level of intensity and full light output at any voltage from 9 to 33 volts or, in some cases, 8 to 28 volts. Multivolt LED lamps can be connected to either 12 or 24 volt electrical systems without modification, and the light output will not be adversely affected by voltage drop often encountered in trailer systems. LED lamps fitted with Multivolt circuitry are clearly marked throughout the catalogue.

DuraLed®

Hella's growing range of DuraLed lamps incorporate the latest in LED technology making the lamps more efficient than comparable bulb lamps due to reduced maintenance requirements, low current draw and ultra long service life.

DuraLed lamps feature unique registered designs with shallow shapes and concealed mounting screws for enhanced protection against damage. All lamps are pre-wired with multi-core sheathed cable, fully sealed against dust and moisture to International Protection Standards IP6K6 and IP6K7 and are compliant with current ADR (Australian Design Rules), and as a result are approved for use in New Zealand and Australia.

Hella's highly innovative DuraLed lamps are designed for use on trucks, buses, caravans, emergency vehicles and specialty applications. The range includes marker lamps, direction indicators, end outline lamps, position lamps, high intensity warning signal lamps and a combination stop/tail/indicator lamp incorporating special ultra wide optics for enhanced visibility.

EuroLED®

Hella has introduced a range of LED lamps harnessing the benefits of a single high intensity LED through the use of precision optics, which gives the lamp a unique look along with the benefits of low power consumption. For the first time Hella can offer a compliant LED reversing lamp which extends the range allowing all required lamps on the rear and side of vehicles to be fully Multivolt. EuroLED lamps feature a shallow design and special ultra wide optics for significantly improved side visibility. EuroLED lamps are also shock proof and fully sealed to withstand water submersion and high-pressure washing ensuring long service life and durability.

ENHANCED DEFINITION TECHNOLOGY (EDT)

A stop lamp has to be instantly recognised as a warning signal. To further enhance recognition an increase in illuminated area (compared to the tail lamp) is combined with an increase in intensity. As a result the illuminated area gets larger and brighter on an EDT lamp for increased safety and awareness.

ULTRA WIDE VISIBILITY OPTIC



Hella continues to increase its range of LED lamps that incorporate Ultra Wide Visibility Optic, significantly improving side visibility. LED lamps strictly designed to comply to minimum ECE/ADR requirements in the 10° to 45° horizontal range may create visibility problems, however Hella's use of ultra wide visibility optics provides following vehicles with higher light intensity, especially as vehicles turn on curves and corners. By far exceeding the minimum ECE/ADR requirements, ultra wide visibility optics increase safety on the roads and provide enhanced recognition for drivers in following vehicles. Products with ultra wide visibility optics are clearly marked throughout the catalogue with an identification symbol.