

OptiRAY® E LED Warning Beacons



Hella OptiRAY® E LED warning beacons are designed for heavy duty use on mining equipment and service vehicles where complex functionality is not required.

OptiRAY E beacons are engineered to the same high standard as the full-featured OptiRAY products, but including only the essential features enables the benefits of LED products to be extended into a significantly wider range of applications.

OptiRAY E beacons are extremely robust, tolerant to severe vibration levels and very compact in design. Each beacon is equipped with a high impact and shock resistant, clear polycarbonate lens and a rugged, UV damage resistant fibreglass nylon composite base for increased mechanical strength and maximum durability. A neoprene O-ring seals the assembly against dust and water. The OptiRAY E is well suited to corrosive environments where metal products should not be used.

Unlike Xenon flash strobes, OptiRAY E LED beacons are maintenance-free and

extremely power efficient. Each beacon draws a maximum of only 1 AMP at 12V, which greatly reduces both operating temperature and demand on the vehicle's electrical system. Maximum service life and light output of the high intensity LEDs is ensured through using internal aluminium heat sinks. The Multivolt control module also protects the OptiRAY E against damage from overheating, reverse polarity and short circuits. (See technical section for more Multivolt information.)

Safe and reliable electrical connection is facilitated via a highly flexible double insulated cable sealed into the base, terminated as a short length with a DT connector or 2m cable with bare wire ends. Other connector options can be supplied as special orders.

OptiRAY E beacons are available in five LED signal colours (amber, red, blue, green and white) to suit all signal applications. Installation is possible with either the standard direct mount or optional pipe mounting kit; temporary use applications are best served with the magnetic mount version, complete with a pre wired cable and power plug.

Product features

- SAE J845 (Class 1 red, Class 2 amber)
- Available in amber, red, blue, green and white
- Impact resistant smooth polycarbonate lens
- Clear precision Fresnel optics
- Direct, pipe mount or magnetic installation options
- Multivolt 12 – 30V DC
- Low current draw 1AMP
- Fully encapsulated electronics
- 0.5kg mass
- 200G shock impulse resistant
- Overheat, reverse polarity and short circuit protection
- Double insulated supply cable with DT or AMP plug
- O-ring seals
- Tested over a -20°C to +50°C temperature range
- High efficiency, long life LED light
- IP6K5
- 200G shock resistant
- Spares interchangeable with Hella OptiRAY range
- Double Flash, 80FPM

Description	Part No.
AMBER	
Direct Mount	HM300ADIR
Magnetic Mount	HM300AMAG
RED	
Direct Mount	HM300RDIR
Magnetic Mount	HM300RMAG
BLUE	
Direct Mount	HM300BDIR
Magnetic Mount	HM300BMAG
GREEN	
Direct Mount	HM300GDIR
Magnetic Mount	HM300GMAG
WHITE	
Direct Mount	HM300WDIR
Magnetic Mount	HM300WMAG



Spare Parts

- 9.HM360LENS Clear Lens
- HM360PIPE Pipe Mount Kit

