

UltraRAY® LED Warning Beacons



UltraRAY® LED warning beacons are optimized for continuous use applications on mining equipment, to ensure highly effective warning efficiency in daylight on surface operations in the extreme environmental conditions encountered in mining applications.

UltraRAY LED beacons offer multiple, user-selectable flash patterns to suit a large variety of applications. Additional user selectable features include a battery saver mode to alert users if the equipment power supply drops below normal operating voltage levels to conserve power, as well as a daylight sensing that can automatically adjust the intensity of the beacon to ambient light levels. A reverse gear circuit allows the flash pattern to be changed to alert staff of the travel direction of the equipment. The desired operational mode can be selected by simply changing the DIP switch settings on the circuit board.

UltraRAY 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 bolted

to a heavy-duty cast alloy base, sealed by a neoprene O-ring against dust and water ingress. A UV resistant multi-stage powder coating process ensures optimal corrosion protection.

Unlike Xenon flash strobes, UltraRAY LED beacons are maintenance free and extremely power efficient, 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 integrating the heat sinks into the cast alloy base. The Multivolt control module encapsulated directly into the base also protects the UltraRAY against damage from overheating, reverse polarity and short circuits. (See technical section for more Multivolt information.)

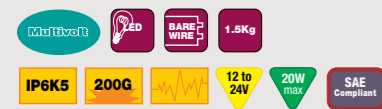
Safe and reliable electrical connection is facilitated via a highly flexible double insulated cable sealed into the base, terminated as a short length with a DT connector or 2m cable with bare wire ends. Other connector options can be supplied as special orders.

UltraRAY 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 an 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

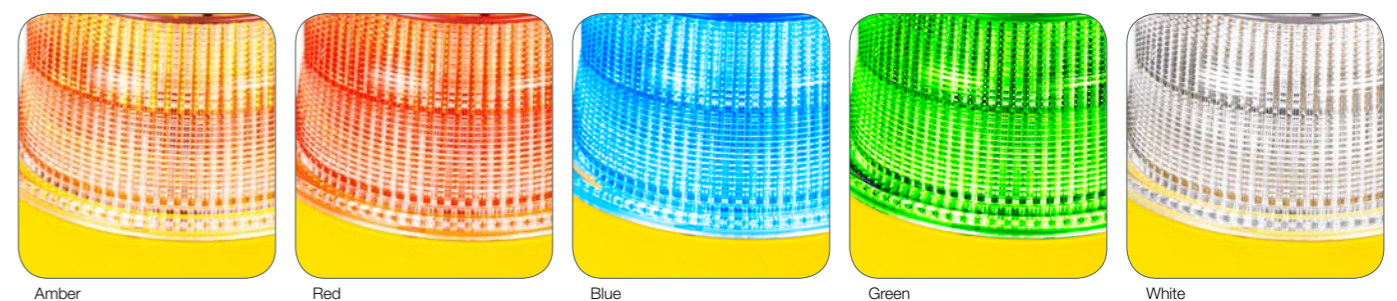
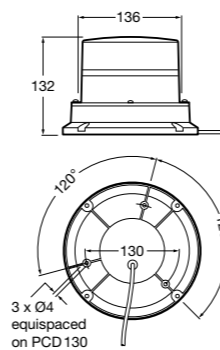
- SAE J845 Class 1 red & amber
- Available in amber, red, blue, green and white
- User selectable flash patterns (4)
- Automatic daylight detection
- Impact resistant smooth polycarbonate lens
- Clear precision Fresnel optics
- Cast alloy base
- Direct, pipe mount or magnetic installation options
- Multivolt 12 -30V DC
- Low current draw
- Fully encapsulated electronics
- 1.5kg 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

Description	Part No.
AMBER	
Direct Mount	HM400ADIR
Magnetic Mount	HM400AMAG
RED	
Direct Mount	HM400RDIR
Magnetic Mount	HM400RMAG
BLUE	
Direct Mount	HM400BDIR
Magnetic Mount	HM400BMAG
GREEN	
Direct Mount	HM400GDIR
Magnetic Mount	HM400GMAG
WHITE	
Direct Mount	HM400WDIR
Magnetic Mount	HM400WMAG



Spare Parts

- 9.HM400LENS Clear Lens
- HM400PIPE Pipe Mount Kit



Amber Red Blue Green White