

RLED-170

Range Lantern



TIDELAND SIGNAL CORPORATION

RLED-170 is one of the world's most efficient range lanterns utilising, high performance, light emitting diodes (LEDs). Visual ranges between 15 and 20 NM can be achieved with power consumption lower than ever thought possible. RLED-170 range lantern is available in low and high power options. The low power option is suitable for inner harbour use. The high power option utilises double the number of LEDs, generating twice the effective intensity, and is equipped with redundant power supplies, each providing 50% backup. Both power options feature variable power settings for field intensity control. Designed to mark channels, rivers, canals or navigational areas, the RLED-170 provides assistance to maritime traffic. A single RLED-170 can be used to mark certain channels with the use of an assortment of beam spreaders. Conventional installations utilise two RLED-170s; one positioned above and behind the other so that mariners can establish a centerline by keeping the lights vertically aligned.

FEATURES:

- Low and high power options (actual power usage varies by colour)
- 9 to 36V DC input
- Dual power supplies in the high power option providing backup in the event of a failure
- 256 flash characters
- Full SignalView™ monitoring capability
- GPS synchronisation (additional option)
- Gun sight target alignment
- Swivel base for ease of positioning
- Overhead protection shield
- Hard-anodised aluminium construction
- Leveling hardware



Shown is high power RLED-170 range lantern.

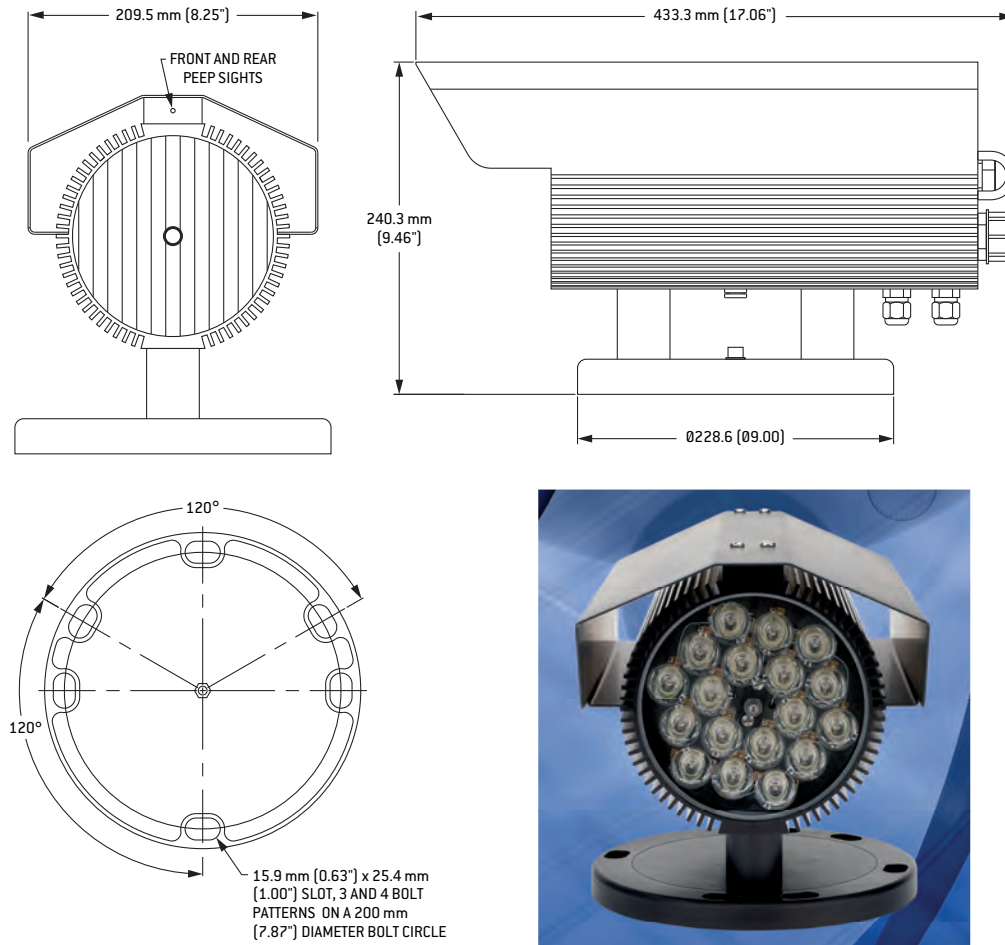
OPTIONAL EQUIPMENT:

- GPS synchronisation system enabling two range lights to be synchronised to aid recognition in areas where a number of lights are present.
- Remote ON/OFF switch control via VHF radio or cell phone. This is of particular benefit where power is at a premium and lights are used a few times each night or day.

IALA LIGHT RECOMMENDATION

An ideal tool for designing leading lines and positioning of range lights is IALA recommendation E112, entitled Leading Lines 1998. This provides a detailed explanation and an Excel spreadsheet. These files are available on the IALA web site or from Tideland Signal's web site www.tidelandsignal.com.

DIMENSIONS AND MOUNTING PATTERN



SPECIFICATIONS

Applications	Leading light, short or long range; Port traffic signal, night or day
Range	up to 20 NM for white; up to 17 NM for colours
Power Options	
Low Power Option	8W to 20W depending upon colour
High Power Option	20W to 40W depending upon colour
Vertical Divergence	6°
Horizontal Beam Spreaders	10°, 18° or 24°
Mounting	Built-in leveling hardware and slip-ring mounting (3 bolt)
Colours	White, green, red or yellow
Construction	Hard-anodised aluminium
Height	240.3 mm (9.46 in)
Weight	8 kg (17 lb)
Operating Temperature	-40° to +75° C

NOTE: Specifications are subject to change.



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Tideland Signal Corporation maintains ISO 9001:2000 accreditation. It is company policy to provide products and services that meet the highest standards of quality in the industry.

Membership Organisations



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