

Leading lights

LED200 • LED LEADING LIGHT



The LED200 leading light has been specially developed for marking port approach fairway channels and similar markings. The light produces a very well defined unidirectional beam, from 4° to 25° of horizontal divergence, using high power led arrays and condenser lens.

They can be used in two-light leading light stations as well as in one-light range light stations. Two leading lights give a good indication of the degree of navigational error and also indicate whether the ship's position is improving or worsening. The separation between front and rear lights is optimized by calculation, according to channel characteristics and required sensitivity.

Features

- Nominal range up to 22 n.m.
- 4° to 25° of horizontal divergence at 50% of peak intensity.
- Minimum vertical divergence value 4°.
- Compact and lightweight lantern, hermetically sealed.
- An individual acrylic collimating lens of high efficiency for each Led.
- Life in service estimated for LED diodes of 100.000 hours.
- DES33 flasher of low internal consumption.
- External twilight photocell of lighting.
- All hardware from stainless steel.
- Assembly of internal components (Lens, electronics...) on the base plate.
- Rifle-type peepholes.
- Easy levelling and alignment adjusting in the base.
- Visor to minimize reflections.

Options

- Available in white, red, green and yellow, according to the IALA Recommendations.
- AC operation.
- Configurations of divergence and light intensity customized.
- SYNC-GPS synchronizer.
- Remote control and monitoring.



Technical specifications

- Nominal range up to 22 n.m. ($T=0,74$)
- Horizontal divergence at 50% of peak intensity: 4°, 8°, 15° y 25°.
- Arrays from 3 to 18 LEDs.
- Available in white, red, green and yellow, according to the IALA Recommendations.
- Input voltage range from 10 to 35 V
- Individual acrylic collimating lens of high efficiency for each Led.
- Fixed, flashing, isophase. or occulting flash characters.
- Fixing: 3 nos. of M10 bolts. Diameter between centers: 200 mm.
- Watertightness degree: IP-66.
- Electromagnetic Compatibility CE
- Net Weight: 13 kg
- Shipping data: 82 x 52 x 72 cm (0.36 m³) 29 kg. (wooden box)

