

# MEDIUM RANGE ICE BUOY LANTERN

Type IML 200 IB LED



## FEATURES

The IML 200 IB LED signal lantern is designed for harsh Arctic environments. Extremely robust and having a low profile, it has a scattering lens for consistent horizontal divergence (horizontally placed high intensity LEDs). Light output can be programmed according to visibility. The base and top function as a heat sink, and the lantern can be remotely controlled.

For synchronising additional lanterns, the flasher has a hard-wired input/output connection. Power supply cable comprises marine-grade polyurethane. Compared to conventional lanterns, this lantern has a large vertical divergence, better intensity of emitted light with regards to power consumption, LED long life expectancy and is highly reliable.

## SPECIFICATIONS

|                       |  |
|-----------------------|--|
| Application           | Buoys  |
| Lens material/ type   | Acrylic type PMMA200   |
| Lantern base          | Bronze   |
| Lantern top           | Bronze   |
| Birdspike             | Stainless steel spring-type  |
| LED type              | High intensity, red, green, orange and white   |
| Life expectancy       | Approx. 100,000 hours  |
| Flasher               | Infrared remote control for setting LED current (10 metre range) and any of the 256 pre-programmed IALA flash codes. Daylight sensor can be field set. |
| Electrical parameters | Battery voltage and day/night switching point can be read  |
| Connection            | PUR cable, standard 3 metre length   |
| Cable entry           | Cable gland PG13.5, brass, nickel plated   |
| Daylight switch       | Internally placed  |
| Horizontal spread     | 360 degrees  |
| Vertical divergence   | > 24 degrees   |
| Max. intensity        | Depending on setting   |
| Visibility at T= 0.74 | Depending on range setting   |
| Voltage range         | 12-30 volt DC  |
| Protection class      | IP66   |
| Lantern mounting      | 6 holes of 10 mm on a 265 mm pitch circle  |
| Weight                | 11 kg  |

