



## SEAMARK

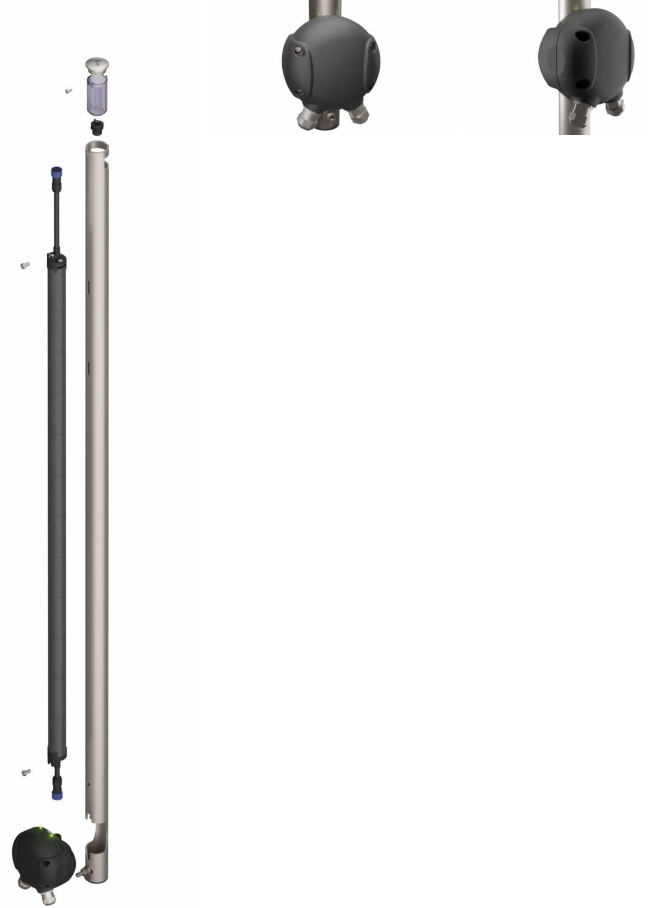


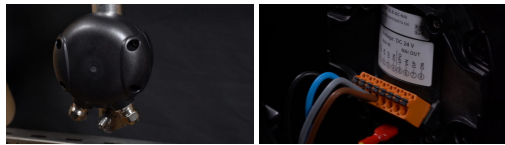
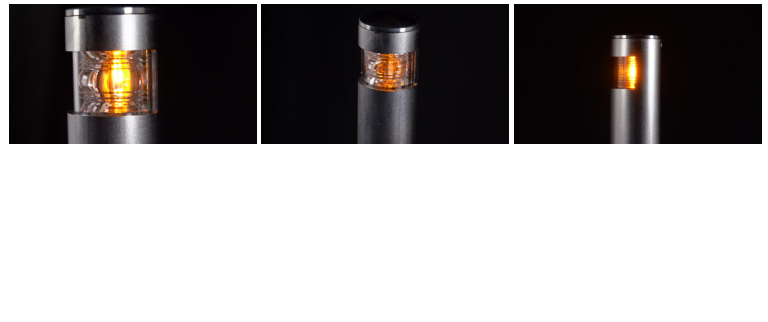
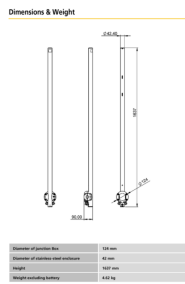
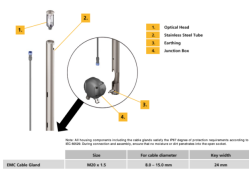
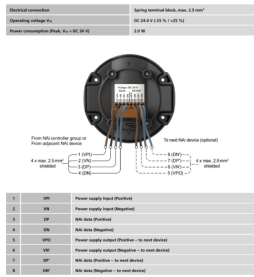
SKU: N/A

Categories: [Marine Lanterns](#), [All Products](#), [SeaMark Products](#)



## GALLERY IMAGES





## PRODUCT DESCRIPTION

### Marine Lantern

The next generation marking for offshore wind turbines. It comes in two intensities; 2NM, 3NM and 5NM yellow. The new design is made for easy handling, installation and maintenance.

**Rugged** - Stainless steel housing and watertight electronics protect against the harsh offshore environment.

**NAi interface** - Communication and power are provided through the NAI network.

**LED technology** - Using the highest quality LED technology, the LED 160 provides the highest light output with low power consumption.

**Low maintenance** - With simple interfaces, LED technology and remote monitoring, the Seamark Marine Lantern is extremely low maintenance.

**Standards** - The SeaMark Marine Lantern satisfies the IALA recommendation 0-139 guidelines for offshore structures.

### Configuration Options

- Available Intensities - 2 & 5 Nautical mile
- Integrated UPS

### Technical Data (ML 05 NAI)

#### DIMENSIONS & WEIGHT

| Parameter                             | Standard UPS |
|---------------------------------------|--------------|
| Diameter of junction Box              | 124 mm       |
| Diameter of stainless steel enclosure | 42 mm        |
| Height                                | 1637 mm      |
| Weight excluding battery              | 4.62 kg      |



|   |  |
|---|--|
| <b>MATERIAL</b>   |  |
| Tube  | Stainless Steel 316L/ 1.4404   |
| Housing Junction Box                                      | LEXAN™ Resin EXL5689   |
| Housing Optical Head                                      | Makrolon® AL2647   |
| Gasket  | THERMOLAST® K TC3GPZ   |
| <b>OPTICAL SYSTEM</b>                                     |  |
| Light colour  | Yellow (according to IALA Recommendation R0201 (E-200-1) Marine Signal Lights - Colours) |
| Mean light intensity<br>(along the optical axis)          | 149 cd (± 3 %)   |
| Beam angle (vertical)                                     | 5° FWHM  |
| Beam angle (horizontal)                                   | 182° ±2°   |
| <b>ELECTRICAL CONNECTION</b>                              |  |
| Electrical connection                                     | Spring terminal block, max. 2.5 mm <sup>2</sup>  |
| Operating voltage VIN                                     | DC 24.0 V (-25 % / +25 %)  |
| Power consumption<br>(Peak, VIN = DC 24 V)                | 2.0 W  |
| <b>ENVIRONMENTAL CONDITIONS</b>                           |  |
| Ambient temperature (operation)                           | -25 °C to 55 °C  |
| Ambient temperature<br>(storage / transport)              | -40 °C to 70 °C  |
| Humidity<br>(operation / storage / transport)             | 95 % r.h. up to 45 °C<br>70 % r.h. for T > 45 °C   |
| Atmospheric pressure<br>(operation / storage / transport) | 80 kPa to 108 kPa  |
| Degree of protection (acc. To IEC 60529) IP67             |  |
| Luminaire classification<br>(acc. To EN 60598-1:2018)     | Rough service luminaire  |
| Rough service luminaire                                   | IK08   |
| Lightning protection zone<br>(acc. To IEC 62305-4:2010)   | LPZ0B  |
| <b>ELECTRICAL SAFETY AND HEALTH</b>                       |  |
| Protection class  | Class III  |
| Overvoltage protection                                    | Class III  |
| Pollution degree  | 3  |
| <b>RELIABILITY</b>  |  |
| IALA Category   | 1 <sup>B</sup> (assumed MTTR of 96 h)  |
| Minimum LED lifetime                                      | 100 000 h  |



Some product specifications can vary to the below based upon configuration variations. Please double check the appropriate technical datasheet.