Features:

• High-efficiency luminous system.
  Up to 13 nm (T=0.74), 20 nm (T=0.85).
• Vertical divergence up to 12°.
• 360° horizontal output.
• Average operation lifetime over 10 years.
• Photocell adjustable in lux.
• IP 67 watertightness degree (immersion resistant).
• Linear adjustment of luminous intensity.
• Double RS-232 serial port for setting adjustments by PC and remote monitoring system.
• Programming, configuration and operating status via PC, IR programmer or Bluetooth.
• Ready to integrate remote monitoring via GSM, VHF or satellite, synchronization via GPS or AIS AtoN module.
• Short-circuit, reverse-polarity and transient over-voltage protections.
• PATENTED OPTICAL SYSTEM.
LED Marine Lanterns

Mediterráneo Señales Marítimas, S.L.
Pol. Ind. Mas de Tous - C/ Oslo 12
46185 La Pobla de Vallbona - Valencia SPAIN
+34 96 276 10 22
msm@mesemar.com
www.mesemar.com

**Light source:** 18 to 36 nos. ultra-bright LED diodes, with high-precision acrylic lens.

**Luminous range:** Up to 13 nm (T=0.74) 20 nm (T=0.85).

**Colours available:** White, green, red, amber and blue.

**Vertical divergence:** From 5° to 12° (50% Io).

**LED average life:** More than 100,000 hours.

**Power supply:** From 9 to 36V.

**Lantern consumption:** From 36 to 72W.

**Optical System**

**Flash rhythms:** 256 (6 nos. user selectable).

**Day/night threshold:** Adjustable between 10 and 400 lux.

**Settings:** PC / IR programmer / Bluetooth.

**Luminous intensity adjustment:** Linear, between 10 and 100%.

**Light intensity reduction due to low battery:** Configurable by the user.

**Electronic control**

**Infrared (IR) programmer.**

**PC programming kit.**

**RS-485 MODBUS serial port.**

**Marine aluminium base.**

**Other specifications available under request.**

MBL 350-HD (up to 30° divergence).

MBL 350-SYNC (GPS synchronisation).

MBL 350-TG (GSM remote monitoring).

MBL 350-TR (Radio remote monitoring).

MBL 350-TS (Satellite remote monitoring).

MBL 350-AIS (AIS AtoN).

**Materials and environment**

**Base:** Glass-fibre reinforced polyamide PA66-GF30.

**Lens cover:** Acrylic, UV stabilised.

**Shock resistance:** MIL-STD-202G, Method 213B.

**Watertightness degree:** IP 67.

**Fixings:** 3 - 4 bolts in a 200mm diameter.

**Humidity resistance:** 100%. Pressure-compensation valve to avoid condensation.

**Temperature range:** From -30º to 70ºC.

**Inside hardware:** Stainless steel.

**Peak intensities (Cd)**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Vertical divergence 5°</th>
<th>Vertical divergence 12°</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 levels</td>
<td>6 levels</td>
</tr>
<tr>
<td>White</td>
<td>3,510</td>
<td>7,020</td>
</tr>
<tr>
<td>Green</td>
<td>2,235</td>
<td>4,470</td>
</tr>
<tr>
<td>Red</td>
<td>1,500</td>
<td>3,000</td>
</tr>
<tr>
<td>Amber</td>
<td>1,986</td>
<td>3,972</td>
</tr>
</tbody>
</table>

**Options**

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