LT 1000 LED Light Tube

LT 1000 LED Light tube is designed to replace traditional floodlights. The light is distributed directly towards the mariner instead of illuminating the structure. Only a fraction of energy is required compared to traditional floodlights.

- Maintenance free LED light tubes for illuminating fixed aids to navigation
- Housing fully waterproof with PTFE vent for breathing
- Standard IALA surface colours Red, Green, White and Yellow in accordance with E-108 Recommendation
- Low power consumption, ideal for solar systems
- Can be used standalone or with control unit
- With the control unit the intensity can be adjusted from 15% to 100%
- Control unit also includes integrated solar panel regulator and photocell
- Configuration and field maintenance with Programmer Mk2 or laptop computer
Marine Lantern LT 1000

Waterproof
Completely sealed design, PTFE vent for breathing.

Robust
Designed for marine environment.

Uniformity
LT 1000 optical design creates an even and balanced light distribution with no blind spots.

Installation
The LED tube can be installed on any flat surface with four bolts. Rubber gaskets around mounting bolts allow thermal expansion.

Array
When the light tubes are mounted in arrays on the surface of the AtoN structure the light creates a good visual impression of the illuminated area. This allows the mariners to easily detect the structure.

Leading lights
Light tubes can be used to enhance the visibility of a leading line. Mounted vertically on the daytime panels, the leading light becomes very conspicuous in built-up areas with a lot of background light.

LT Control Unit
LEDFlasher is the controller in the control unit. Each unit can control max 10 light tubes.

White
Red
Green
Yellow
Technical Specification LT 1000

Optical performance

<table>
<thead>
<tr>
<th>Maximum Illuminance</th>
<th>100 cd/m²</th>
<th>100 cd/m²</th>
<th>100 cd/m²</th>
<th>100 cd/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>At full power 3 W</td>
<td>100 cd/m²</td>
<td>100 cd/m²</td>
<td>100 cd/m²</td>
<td>100 cd/m²</td>
</tr>
</tbody>
</table>

Main Technical Specification

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>1180 x 145mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lens tube material</td>
<td>UV stabilized Acrylic</td>
</tr>
<tr>
<td>End terminal material</td>
<td>Marine grade anodized aluminium</td>
</tr>
<tr>
<td>Light source</td>
<td>Light Emitting Diodes (LEDs)</td>
</tr>
<tr>
<td>Viewing angle</td>
<td>150°</td>
</tr>
<tr>
<td>Unit lifetime</td>
<td>Up to 10 years</td>
</tr>
<tr>
<td>Weight</td>
<td>2.5 kg</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-40°C…+60°C</td>
</tr>
<tr>
<td>Supply Voltage</td>
<td>9 – 30 VDC</td>
</tr>
<tr>
<td>Power consumption</td>
<td>High setting = max 3 watts</td>
</tr>
<tr>
<td></td>
<td>Low setting = max 0.5 watt</td>
</tr>
</tbody>
</table>
# Marine Lantern LT 1000

## Order Overview LT 1000

### Option matrix

<table>
<thead>
<tr>
<th>Supply cables with connector</th>
<th>2 m</th>
<th>6 m</th>
<th>10 m</th>
</tr>
</thead>
</table>

### Product codes

<table>
<thead>
<tr>
<th>LT 1000 0,5W Power 0,5W</th>
<th>LT 1000 3W Power 3 W</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT 10001W</td>
<td>LT 10003W</td>
<td>white</td>
</tr>
<tr>
<td>LT 10001R</td>
<td>LT 10003R</td>
<td>red</td>
</tr>
<tr>
<td>LT 10001G</td>
<td>LT 10003G</td>
<td>green</td>
</tr>
<tr>
<td>LT 10001Y</td>
<td>LT 10003Y</td>
<td>yellow</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONTROL BOX</th>
<th>980269</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT-1000 CABLE 2M</td>
<td>715620-2</td>
</tr>
<tr>
<td>LT-1000 CABLE 6M</td>
<td>715620-6</td>
</tr>
<tr>
<td>LT-1000 CABLE 10M</td>
<td>715620-10</td>
</tr>
</tbody>
</table>

---

**Installation Example**