Tideland Signal (Tideland) has merged its patented and proven MaxLumina® lens technology with 21st century LED technology to provide low maintenance, low power consumption and long range, MLED-140, MLED-155 and MLED-300 navigational lanterns.

The MLED-140 is ideal for use wherever a wide beam is required, such as in compensating for buoy roll. Visibility is improved in locations such as high bridges, where there are extreme differences in angle of observation at various ranges. The MLED-140 and MLED-155 are used to mark buoys, offshore structures, channels, bridges, barges and docks. Tideland Signal’s hinged Fresnel lens incorporates 38 optical elements, maximising light transmission in the horizontal plane.

The MLED-300 and MLED-155 are excellent for use on fixed offshore structures, achieving maximum visual range. MLED series provides trouble-free service in rigorous marine environments.

Characteristics
• User selectable power settings for multiple visual range performance
• 256 user selectable flash characters
• Temperature compensated LED drive circuits ensure uniform brightness with ambient temperature change
• Full monitor and control capability
• SignalView™ program to set user options
• Available in all IALA approved colours
• A constant current power source provides maximum lifetime of LEDs
• Seasonal shutdown capability
• Hard wired synchronisation
• Optional GPS synchronisation
MLED SERIES

Technical Details

<table>
<thead>
<tr>
<th>Available colours</th>
<th>Red, green, yellow, white</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visibility</td>
<td>360° horizon (omnidirectional)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40° C to +60°C</td>
</tr>
<tr>
<td>Voltage</td>
<td>9 to 36V DC</td>
</tr>
<tr>
<td>Power</td>
<td>Variable up to 7W (LP version) or 19W (EFF version)</td>
</tr>
<tr>
<td>Typical Vertical Divergence</td>
<td>&gt; 8°</td>
</tr>
<tr>
<td>MLED-140</td>
<td>&gt; 5°</td>
</tr>
<tr>
<td>MLED-155</td>
<td>&gt; 2°</td>
</tr>
<tr>
<td>MLED-300</td>
<td></td>
</tr>
</tbody>
</table>

Monitor and Control

Flash Codes

Synchronisation

Weight

| MLED-140            | 3.2kg (7lb) |
| MLED-155            | 3.2kg (7lb) |
| MLED-300            | 9.1kg (20lb) |

NOTE: Specifications are subject to change.

External-Powered Marine Lanterns
Available Models for Class I, Division 2 Locations

MLED-300 Available for Zone 2 Locations

MLED-140

MLED-155

MLED-300

USCG approved for offshore structures

External-Powered Marine Lanterns
Available Models for Class I, Division 2 Locations

MLED-300 Available for Zone 2 Locations