

MLED SERIES

External-Powered Marine Lanterns



TIDELAND ENGINEERED

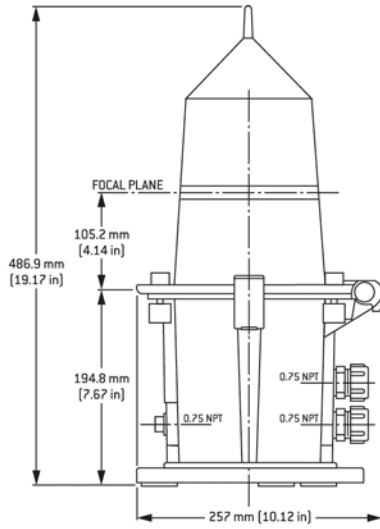
Tideland Signal has merged its patented and proven MaxLumina® lens technology with 21st century LED technology to provide low maintenance, low power consumption and long range, MLED-140, MLED-155 and MLED-300 navigational lanterns. MLED-140 is ideal for use wherever a wide beam is required, such as in 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. MLED-155 is used to mark buoys, off shore structures, channels, bridges, barges and docks. Tideland Signal's hinged Fresnel lens incorporates 38 optical elements, maximising light transmission in the horizontal plane. MLED-300 is excellent for use on fixed offshore structures, achieving maximum visual range. MLED series provides trouble-free service in rigorous marine environments.

FEATURES

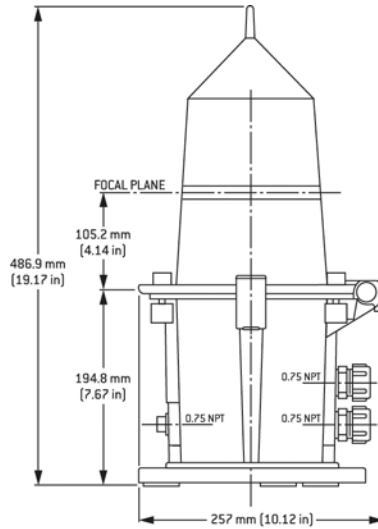
- User selectable power settings for multiple visual range performance
- 256 user selectable flash characters
- Temperature compensated LED drive circuits ensure uniform brightness with ambient temperature change
- Full monitor and control capability
- SignalView program to set user options
- Available in all IALA approved colours
- A constant current power source provides maximum lifetime of LEDs
- Seasonal shutdown capability
- Hardwired synchronisation
- Optional GPS synchronisation
- Optional handheld Wi-Fi for diagnostics and health report



Top image shows MLED-300; bottom image shows MLED-140 and MLED-155. Also shown in both images is MaxiHALO-60 LED flasher, a light source for MLED series lanterns.

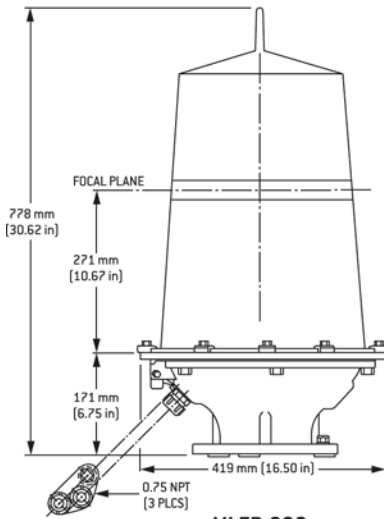


MLED-140



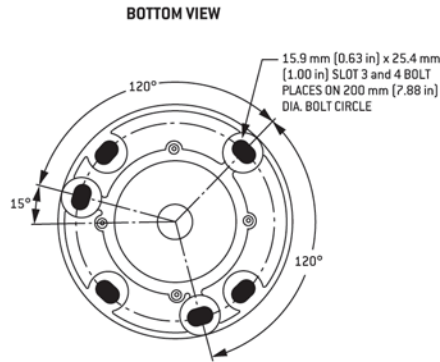
MLED-155

USCG approved for offshore structures



MLED-300

USCG approved for offshore structures



SPECIFICATIONS

Input Voltage	9 to 36 VDC
Power	Variable up to 7W (LP version) Variable up to 20W (EFF version)
Colours Available	Red, green, yellow, white (blue upon request)
Visibility	360° horizon (omnidirectional)
Operating temperature	-40° to +60°C
Typical Vertical Divergences @ 50% (varies by colour)	
MLED-140	> 8°
MLED-155	> 5°
MLED-300	> 2°
Weight	
MLED-140	3.2kg (7lb)
MLED-155	3.2kg (7lb)
MLED-300	9.1kg (20lb)
Monitor and Control	Capable

NOTE: Specifications are subject to change.

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ISO 9001:2008
 Certificate
 Number: 30061

ISO 9001:2008

Tideland Signal Corporation maintains ISO 9001:2008 accreditation. It is company policy to provide products and services that meet the highest standards of quality in the industry.



When installed in an ML-300/155/140, the lantern is rated UL Class 1, Division 2, Group D or Atex Category 3.

ATEX
 Category 3.



Membership Organisations



MaxLumina is a registered trademark of Tideland Signal Corporation.

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 BD10R03