MLED-150Ex

10NM External Powered Marine Lantern

MLED-150Ex brings the benefits of LED technology, low power, high reliability and low maintenance, to the Zone 1 environment. The flasher and optical source assembly, designated MaxiHALO-150, is designed after the proven MaxiHALO-60. The MaxiHALO-150 is installed in a rugged Ex-d well glass housing used in the rigors of offshore atmospheres. The MLED-150Ex is compatible with current Tideland Signal lanterns and is configurable as a Secondary (Standby) light. When used in a main and secondary pair installation, the Secondary light monitors the Main light and, upon failure, automatically begins operation. Onboard software constantly monitors operation of the MLED-150Ex and initiates an alarm signal if critical operation parameters are exceeded. The MLED-150Ex white produces an omnidirectional beam >10NM visual range with T = 0.74 (16NM with T = 0.85).



CHARACTERISTICS

- User selectable power settings 5-100%
- 256 user selectable flash characters
- Temperature compensated LED-drive circuits ensure uniform brightness with changes in ambient temperature
- Full monitor and control capability
- Fail output terminal for go/no go monitoring
- Constant current power source maximizes LED-life
- Hard Wire Synchronization and Optional GPS synchronization module

All values mentioned in this document are typical values.
Document can be subject to modifications, without prior notice.
Datasheet last modified on July 16, 2026.

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Attribute	Details
Input Voltage	9 to 36VDC
Power Consumption	Variable up to 19W
Power Setting	Field Selectable
Colors Available	Red, green, yellow, white
Quiescent Current	< 4mA
Visibility	360° horizon (omnidirectional)
Vertical Divergence	2.7° Red, 3.1° Green, 3.5° Yellow, 2.2° White,
Monitor and Control	Capable
Flash Codes	256 codes
Synchronization	GPS or hard wire options
Sun switch Threshold	Adjustable
Weight	15kg (33lb)
Operating Temperature	-35° C to +60° C
Relative Humidity	100% condensing
Atmosphere	Rated for operation in salt air
Wind	Designed to withstand speeds in excess of 320 kmph (200 mph)
IP Rating	IP66
Base	Epoxy COated Cast Aluminum
Outer Lens	Tempered Glass
Certification	INERIS 01 ATEX 0019X Ex db eb IIC T4 Gb -35 to +60°C IECEx INE 15.0031X
NOTE: Specifications are subject to change.	

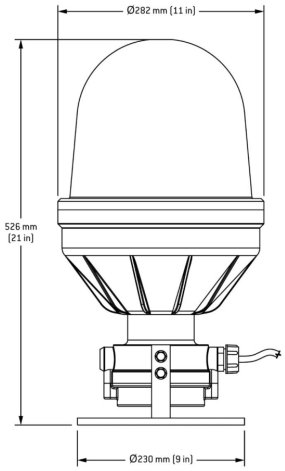
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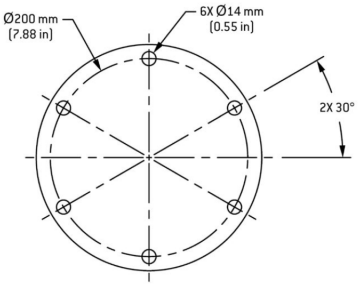
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Bolt Pattern

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