

Syncrolan

MAIN AND SECONDARY LIGHT STATION

Tideland Signal has been providing marking systems to the offshore industry for over six decades. These systems have a history of long and reliable service in some of the harshest marine environments on the planet.

The latest development brings the benefits of LED technology - low power, no re-lamping and minimal maintenance to the offshore industry operating in Zone 1 (ATEX CAT 2) hazardous areas.

This light station complies with the latest IALA Recommendation O-139 on Marking of Man-Made Offshore Structures and includes the option of a 15NM LED light which is often required by regional authorities.

Tideland Signal designs systems for maximum reliability as they need to operate during safety, critical times, and emergency shutdowns.

Characteristics

- The Exde certified MLED-180HI Ex LED main light features a high efficiency LED flasher head operating at an average power of 40W.
- A biform arrangement of 2xMLED-180HI Ex lights provides a range of 15NM.
- On board software generates the Morse U code and monitors the critical operating parameters of the flasher. If a failure is detected the secondary lantern is illuminated and an alarm is generated which is displayed on a central alarm panel.

Complies with the latest IALA recommendation O-139 on marking of man-made offshore structures and includes the option of a 15NM LED light.

Note: The MLED-180 and MLED-150 are also certified for ZONE 1 Locations



**TIDELAND**
a xylem brand

Technical Details

MAIN LIGHT SPECIFICATIONS

Type Number	MLED-180 HI Ex
Nominal Input Voltage	24VDC
Average Power Rating	<40W
Effective Intensity	16,000cd @ 1.0s
Range	15NM
Vertical Divergence	>5° at 50%
Flash Codes	256 pre-programmed
Synchronisation	Hardwire
Photocell Threshold	Variable
Relative Humidity	100% condensing
IP Rating	IP66
Protection Code	II 2 GD Ex de IIC T3

SECONDARY LIGHT SPECIFICATIONS

Type Number	MLED-150 Ex
Nominal Input Voltage	24VDC
Average Power Rating	6.7W
Effective Intensity	1,400cd
Range	10NM
Vertical Divergence	>3.7° at 50%
Flash Codes	256 pre-programmed
Synchronisation	GPS and Hardwire
Mounting	
Photocell Threshold	Variable
Relative Humidity	100% condensing
IP Rating	IP66
Protection Code	II 2 GD Ex de IIC T3

NOTE: Specifications are subject to change.

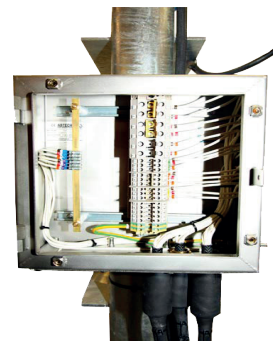
Secondary Light

The Exde certified MLED-150 Ex LED secondary light is fitted with a MaxiHalo-150 LED Flasher operating providing a range of 10NM.

On board software generates the Morse U code and monitors the critical operating parameters of the flasher. If a failure is detected an alarm is generated and displayed on a central alarm panel.

Support Pedestal

The support pedestal provided by Tideland is available in 316L stainless steel or galvanised mild steel. The lanterns are wired to an Exe junction box ready to accept field cabling in either a central or distributed battery system.



Main/secondary light junction box for connecting to either a central or distributed battery system



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