

# Syncrolan

## Main and Secondary LED Light Station



TIDELAND ENGINEERED

Tideland Signal has been providing marking systems to the offshore industry for over 55 years. These systems have a history of long and reliable service in the harshest of marine environments.

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.

The 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.

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

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### MAIN LIGHT

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The EExde 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 2 x MLED-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.



LED Main and Secondary Light Station

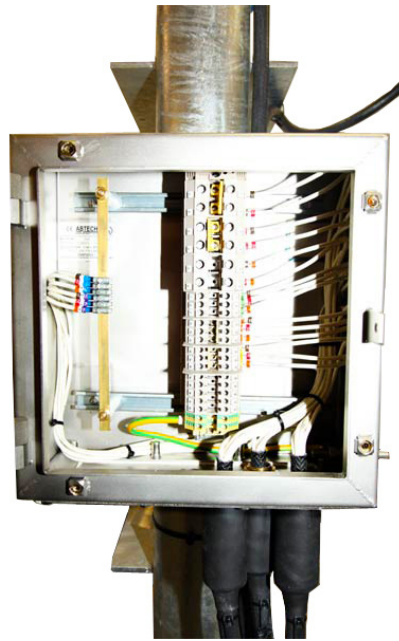
## SECONDARY LIGHT

The EExde 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

Available in either 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

## SPECIFICATIONS

	<u>MAIN LIGHT</u>	<u>SECONDARY LIGHT</u>
<b>Type Number</b>	MLED-180 HI Ex	MLED-150 Ex
<b>Nominal Input Voltage</b>	24VDC	24VDC
<b>Average Power Rating</b>	<40W	6.7W
<b>Effective Intensity</b>	16,000cd @ 1.0s	1,400cd
<b>Range</b>	15NM	10NM
<b>Vertical Divergence</b>	>5° at 50%	3.7° at 50%
<b>Flash Codes</b>	256 pre-programmed	256 pre-programmed
<b>Synchronisation</b>	Hardwire	GPS and Hardwire
<b>Photocell Threshold</b>	Variable	Variable
<b>Operating Temperature</b>	-40° to +60°C	-40° to +60°C
<b>Relative Humidity</b>	100% condensing	100% condensing
<b>IP Rating</b>	IP66	IP66
<b>Protection code</b>	II 2 GD EEx de IIC T3	II 2 GD EEx de IIC T3

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.

### Membership Organizations



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