



RLED-MasterRange

LED RANGE LANTERN

Tideland's original RLED-MasterRange is a high intensity range light based on the leading RLED-355 range lantern. Our new development, RLED-MasterRange, provides exceptional performance in a panel mounting configuration.

MasterRange is a versatile LED light panel that is available with up to 15 LED's. Additional panels can be mounted adjacent to each other to provide extended ranges. Three panels, for example, will provide in excess of 27NM.

The housing is manufactured from marine resistant material and is rated at NEMA 4X. Mounting can be direct to a support structure or to an optional base plate. This new assembly not only eliminates traditional lampchangers, it also eliminates costly mirrors and does not require focusing.

MasterRange is available with multiple numbers of LEDs, from 2 to 15, allowing for a wide range of effective intensities, with ranges up to 26NM night time and over 6NM during daylight.

Optional Equipment

- Optional hood assembly helps keep lens clear of dirt and bird droppings.
- Optional Tideland GPS based system, to maintain flash synchronisation of two or more range lanterns.

Characteristics

- Supports all marine signaling industry standards
- Utilises 1/4 inch thick transparent acrylic lens
- Spreader lenses are available for varied horizontal divergences
- Constructed of corrosion resistant, marine grade materials
- Reliable in the severest of environments
- All IALA approved colours are available
- External sunswitch
- Full monitor and control access



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RLED-MasterRange

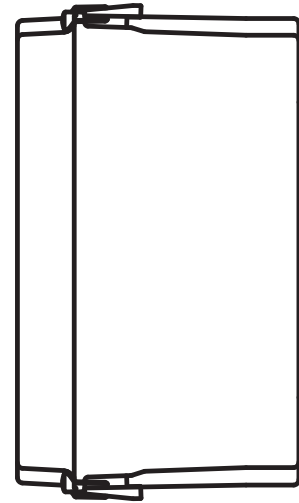
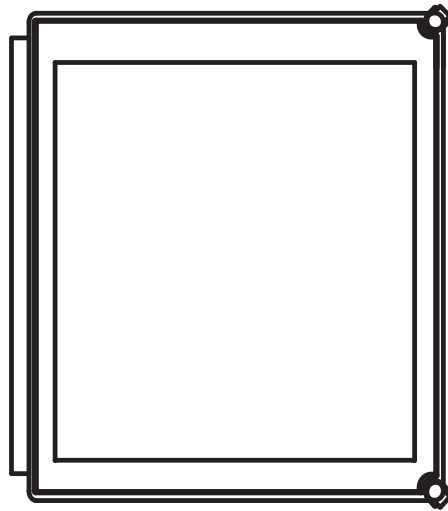
Technical Details

Applications	Leading light, short or long range; port traffic signal, night or day
Input Voltage	9 to 36VDC (optional mains power)
Input Power	Up to 45W for each panel
Vertical Divergence	2° to 3.1° (depending on colour)
Horizontal Beam Spreaders	3°, 8°, 11°, 20° or 28°
Mounting	Frame mounting as standard
1 Panel Fixture	A = 356mm, B = 305mm C = 203mm (14in x 12in x 8in)
1 Panel fixture	8.2kg (18lbs)

NOTE: Specifications are subject to change.

	1 Panel (15 LED's)	2 Panels (30 LED's)	3 Panels (45 LED's)
White	24.5NM	26.3NM	27.4NM
Red	20.2NM	22.0NM	23.0NM
Green	21.2NM	23.0NM	24.0NM
Yellow	18.6NM	20.3NM	21.3NM

Ranges based upon 15 panel LED array, 2.6 degree vertical divergence, 2.5 degree horizontal divergence, full power and fixed flash. For options of LED's and vertical divergences up to 26 degrees please contact Tideland.



NOTE: Optional shield and bird spikes not shown.



Tideland Signal Corporation
(USA)
us-sales@tidelandsignal.com

Tideland Signal Ltd
(Canada)
canada-sales@tidelandsignal.com

Tideland Signal Ltd
(Burgess Hill, UK)
emea-sales@tidelandsignal.com

Tideland Signal
(The Netherlands)
emea-sales@tidelandsignal.com

Tideland Signal Ltd
(Dubai, UAE)
emea-sales@tidelandsignal.com

Tideland Signal Pte Ltd
(Singapore)
asia-sales@tidelandsignal.com

Tideland Signal Pte Ltd
(Tianjin, China)
asia-sales@tidelandsignal.com

www.tidelandsignal.com