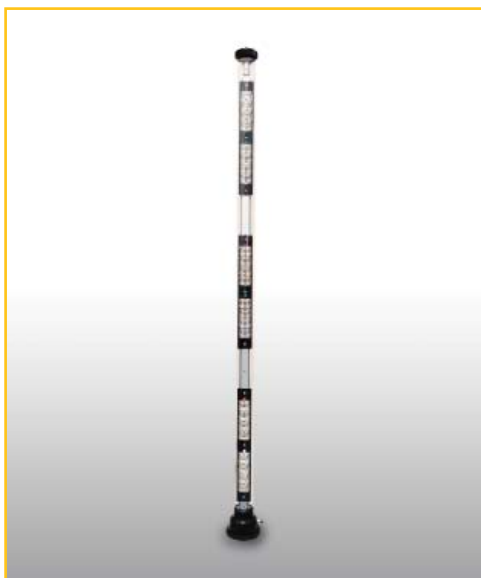




# PORT TRAFFIC LIGHT

## MLP 2000-3



The MLP 2000-3 Port Traffic Light is a signalling system consisting of optical elements with high-intensity LED diodes arranged in different vertical sections, so that it is possible to obtain the colour combinations corresponding to port traffic signals.

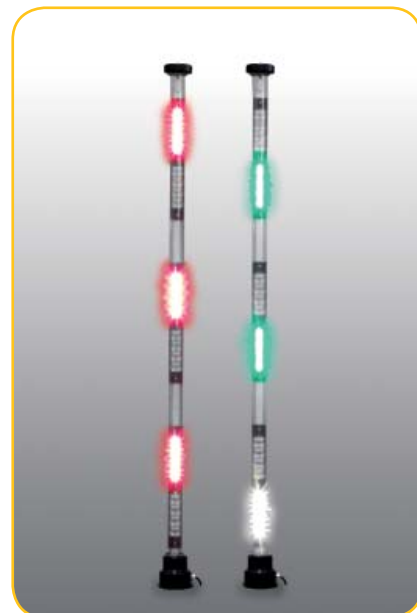
Thanks to its compact design, all elements of a port traffic light can be housed in a single equipment. Its great horizontal divergence allows a perfect light conspicuity from any location.

Manufactured with high-quality and resistant materials, the MLP 2000-3 provides a long service life under severe marine conditions.

This system complies with IALA Recommendations and is configured according to customer specifications, depending on the needs related to its location.

## FEATURES

- ✓ State-of-the-art LED technology.
- ✓ Highly visible on bridges and harbour structures.
- ✓ Multiple combinations available.
- ✓ High-efficiency luminous system and minimum consumption. Up to 12 nm (T=0.74), 17 nm (T=0.85).
- ✓ Vertical divergence up to 5° (50% I<sub>0</sub>).
- ✓ Horizontal divergence up to 120° (50% I<sub>0</sub>).
- ✓ Average operation lifetime over 10 years.
- ✓ IP 67 watertightness degree (immersion resistant).
- ✓ Anti-humidity device to avoid condensation.
- ✓ Double RS-232 serial port for setting adjustments by PC and remote monitoring system.
- ✓ Anodised marine-aluminium housing and acrylic lens cover.
- ✓ **PATENTED OPTICAL SYSTEM.**

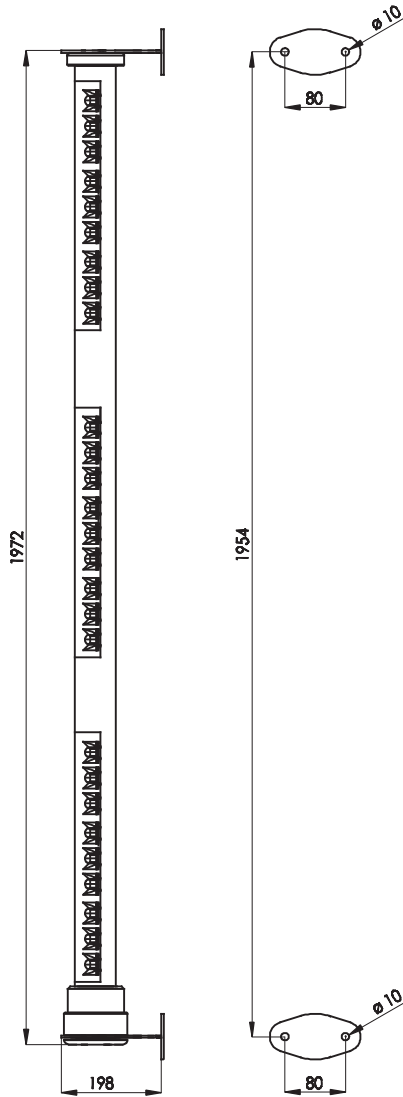


# PORT TRAFFIC LIGHT

## MLP 2000-3



Specifications subject to change without previous notice.



Optical system (2m height)	
Light source:	Ultra-bright LED diodes, with high-precision acrylic lens.
Luminous range:	Up to 12 nm (T=0.74) 17 nm (T=0.85).
Power supply:	Up to 27W, adjustable.
Horizontal divergence:	Up to 5° (50% Io).
Vertical divergence:	Up to 120° (50% Io).

External electronic control unit	
Operation:	Manual or remote.
Luminous attenuation:	Manually or automatically by photocell.
Reverse-polarity, short-circuit and transient over-voltage protections.	

Materials and environment	
Housing:	Anodised marine aluminium.
Lens:	Acrylic, UV stabilised.
Lens cover:	Acrylic.
Watertightness degree:	IP 67.
Humidity resistance:	100%. Pressure-compensation valve to avoid condensation.
Temperature range:	From -30° to 70°C.
Fixings:	Wall-mounted, 4 nos. M10 bolts.

Options	
Other heights and powers available.	
Custom-made sectorising.	
Modular manufacturing allowing heights of 2, 4 or 6 metres.	
Synchronization by cable or GPS receiver.	
Remote monitoring module via GSM, radio or satellite.	
RS-485 MODBUS serial port.	
Pole mounting.	

MLP 2000-3	PEAK INTENSITIES (Cd)	
	Power	27W
COLOUR	White	3,270
	Green	2,950
	Red	2,200



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