



OPTIONAL

## MLP2000-3

### LED technology

The MLP2000-3 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.

### Compact design

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 MLP2000-3 provides a long service life under severe marine conditions.

### Configured according to customer specifications

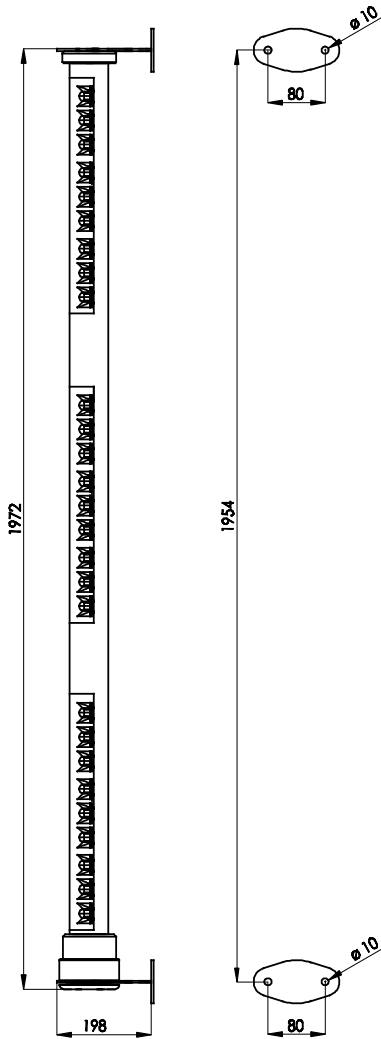
This system complies with IALA Recommendations and is configured according to customer specifications, depending on the needs related to its location.



## 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.*

# MLP2000-3



## Optical system (2m height)

<b>Light source:</b>	Ultra-bright LED diodes, with high precision acrylic lens.
<b>Luminous range:</b>	Up to 12 nm (T=0.74) 17 nm (T=0.85).
<b>Power supply:</b>	Up to 27 W, adjustable.
<b>Vertical divergence:</b>	Up to 5° (50% I <sub>0</sub> ).
<b>Horizontal divergence:</b>	Up to 120° (50% I <sub>0</sub> ).

## External electronic control unit

<b>Operation:</b>	Manual or remote.
<b>Luminous attenuation:</b>	Adjustable between 10 and 400 lux.
Reverse-polarity, short-circuit and transient over-voltage protections.	




## Materials and environment

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

## Options

- Other heights and powers available.
- Custom-made sectorising.
- Synchronization by cable or GPS module.
- Remote monitoring module via GSM, radio or satellite.
- RS-485 MODBUS serial port.
- Pole mounting.

## Peak intensities (Cd)

Colour	27 W
	3,270
	2,950
	2,200

! Specifications subject to change without previous notice.