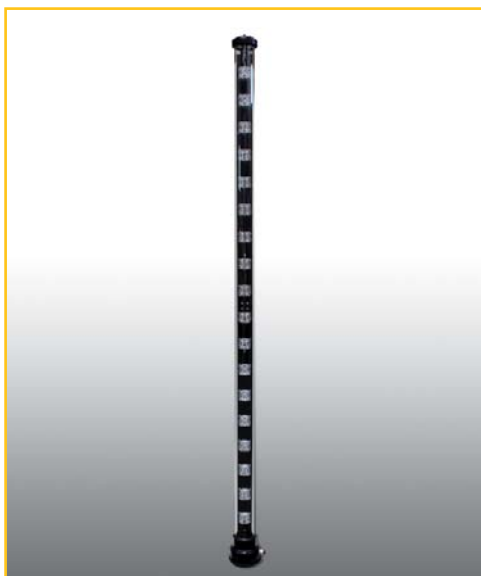




LITE PIPE

MLP 2000



The MLP 2000 Lite Pipe is an extensive luminous system, consisting of optical elements with high-intensity LED diodes arranged vertically, which reinforces the identification of an aid to navigation.

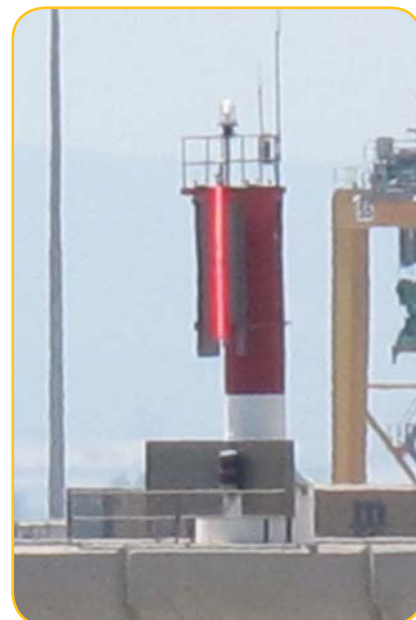
This system is designed to increase the conspicuity of port entrance lights, thus avoiding to be confused with other lights in locations with strong background lighting. It can also be used in places where two-light leading stations are needed, or as an emergency beacon in big lighthouses.

With just 36W of power it can be identified at 22 nautical miles. Its modular construction allows multiple configurations and different heights.

Designed according to IALA Recommendations.

FEATURES

- ✓ State-of-the-art LED technology.
- ✓ Modular and flexible conception.
- ✓ High-efficiency luminous system and minimum consumption. Up to 15 nm (T=0.74), 22 nm (T=0.85).
- ✓ Vertical divergence up to 5° (50% I₀).
- ✓ Horizontal divergence up to 120° (50% I₀).
- ✓ 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.
- ✓ Minimum-maintenance.
- ✓ **PATENTED OPTICAL SYSTEM.**

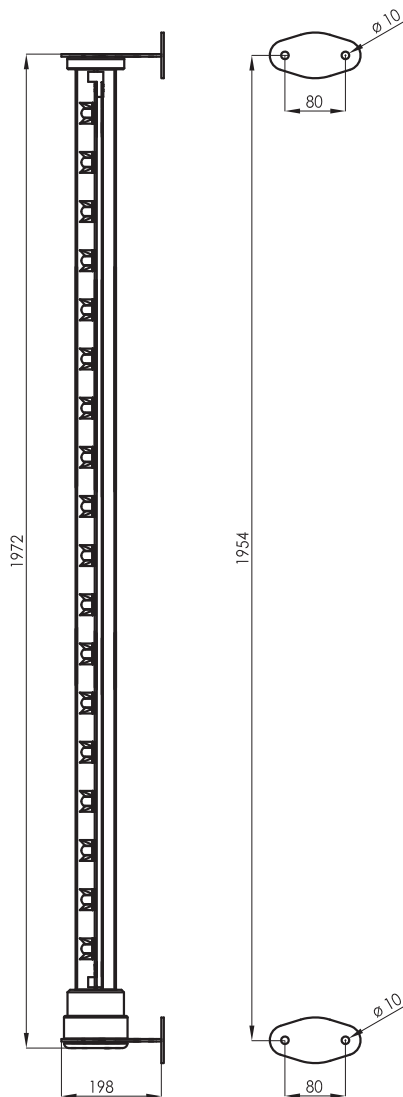


LITE PIPE

MLP 2000



Specifications subject to change without previous notice.



Optical system (2m height)	
Light source:	18 nos. ultra-bright LED diodes, with high-precision acrylic lens.
Luminous range:	Up to 15 nm (T=0.74) 22 nm (T=0.85).
Power supply:	Up to 36W, adjustable.
Horizontal divergence:	Up to 5° (50% lo).
Vertical divergence:	Up to 120° (50% lo).

External electronic control unit	
Flash rhythms:	256 (6 nos. user selectable).
Day/night threshold:	Adjustable between 10 and 400 lux.
Settings:	PC / IR programmer / Bluetooth.
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	PEAK INTENSITIES (Cd)				
	Power	White ■	Green ■	Red ■	Amber ■
MLP 1000	18W	6,840	4,550	2,714	2,050
MLP 2000	18W	6,840	4,550	2,714	2,050
	36W	11,502	7,900	4,122	3,100
MLP 4000	36W	12,960	9,100	5,428	4,100
	96W	23,000	15,800	8,244	6,200



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