



LED SECTOR LIGHT

MEL 200L



The MEL 200L is a sector leading light, whose light source is made of high-intensity LED technology. Designed for port accessing channels during day and night as a single and complete leading station.

Configured individually by units, each element produce one sector of different colour. The union of the elements in a special support allows to obtain the desired sectors configuration.

Light emission generates a highly defined sectorised unidirectional beam with a horizontal divergence maximum of 5° for each element.

Light beam colour sector configuration is expressly done for every case, and always according to IALA Recommendations and Guidelines.

FEATURES

- ✓ State-of-the-art LED technology.
- ✓ High-efficiency luminous system and minimum consumption, stabilised against vibrations.
- ✓ Day range up to 3 nm (white colour).
- ✓ Nominal night range up to 25 nm (white colour).
- ✓ Maximum beam width up to 5°.
- ✓ Average operation lifetime over 25 years.
- ✓ Marine-aluminium housing with hard anodized.
- ✓ Double RS-232 serial port for setting adjustments by PC and remote monitoring system.
- ✓ Programming, configuration and operating status via PC or IR programmer.
- ✓ Anti-humidity device to avoid condensation.
- ✓ High shock resistance.
- ✓ Minimum or free maintenance.



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Specifications subject to change without previous notice.

Optical system	
Light source:	High-intensity LED diodes.
Lens:	Glass aspheric condenser.
Day range:	Up to 3 nm (white colour).
Nominal night range:	Up to 25 nm (white colour)).
Power supply:	From 9 to 30W.
Beam width:	Up to 5° for each element.
Colour sectors:	Custom-made.
LED average life:	More than 100,000 hours.

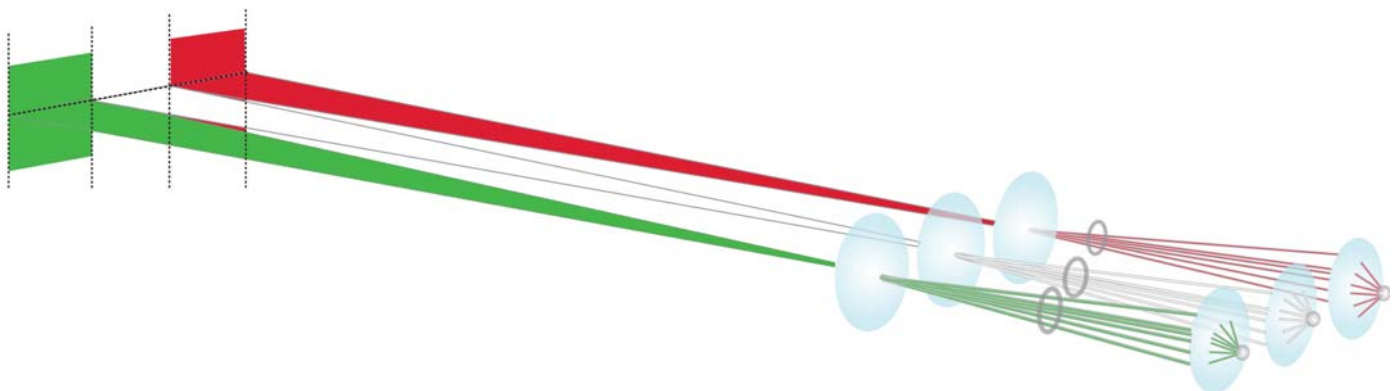
Materials and environment
Marine aluminium with hard anodized, specially resistant.
Stainless-steel fixing and levelling kit.
Stainless-steel hardware.
Eyeshade to avoid reflections.
Electromagnetic compatibility
Watertightness degree: IP 68.
Temperature range: from -30° to 70°C.

Electronic control	
Circuit:	Microprocessor controlled.
Settings:	By microswitches or PC.
Input voltage:	From 12 to 35V d.c.
Day/night threshold:	Adjustable between 10 and 400 lux.
Power supply:	Individual for each LED.
Automatic & programmable luminous intensity reduction at night.	
Reverse-polarity, short-circuit and transient over-voltage protections.	

MEL 200L	TOTAL HORIZONTAL DIVERGENCE 5° (*) PEAK INTENSITIES (Cd)	
COLOUR	White	20,000
	Red	28,000
	Green	65,000

(*) Other custom-made divergences under request.

Options
Gunsight for easy alignment.
A.c. operation.
Programmable by IR programmer.
Synchronization by cable or GPS receiver.
Remote monitoring module via GSM, radio or satellite.
RS-485 MODBUS serial port.
MEL 200L-HI (High-Intensity version).



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