

## MEL 350 HD High-definition Sector Light

The MEL 350 HD is a high-resolution sector leading light designed to mark port entrance channels, rivers, bridges, canals and similar markings. Light emission generates a well defined unidirectional beam with a horizontal divergence up to  $18^\circ$  by using standard marine halogen lamps.

The MEL 350 HD gives an accurate indication to mariner to establish the channel centreline and his navigation error to right or to left-hand side, thanks to the high resolution of colour boundaries. Red, white and green colour degrees are manufactured tailor made, according to site features.

Designed and manufactured according to IALA Recommendations and Guidelines.

### F E A T U R E S

#### Optical System

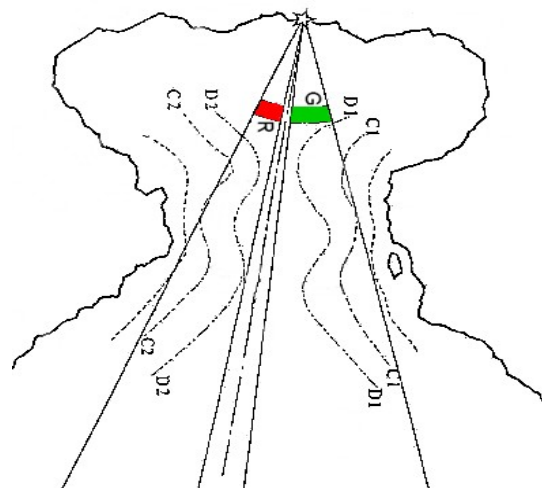
- Nominal visibility night range: 12.9 n.m. ( $T = 0.74$ ).  
Range of 19.1 n.m. ( $T = 0.85$ ).
- Aspheric condenser glass lens.
- High-precision optical system stabilised against vibrations.
- Accuracy:  $0.05^\circ$  ( $3'$  of arc)
- Adjustable vertical divergence.
- Green and red sectors adjustable on site.
- Flashing, isophase or occulting flash characters.

#### Lamp System

- Equipped with 6 nos. off prefocused halogen lamps, 12V Pr30s cap, 3000 hours average life each.
- MLC 12 six-place automatic lampchanger.

#### Electronic Control

- MF 14 solid-state flasher.
- Microprocessor controlled circuit.
- Easy programming by micro-switches.
- Input voltage: from 10V to 36V DC.
- Day/night control.
- Lampchanger control.
- High-precision lamp power (PWM lamp voltage regulation).
- Reverse-polarity protection.
- Short-circuit protection.
- Overtemperature protection.
- Transient-overvoltage protection.
- Ready for remote control by RS-232 serial port.



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### Others

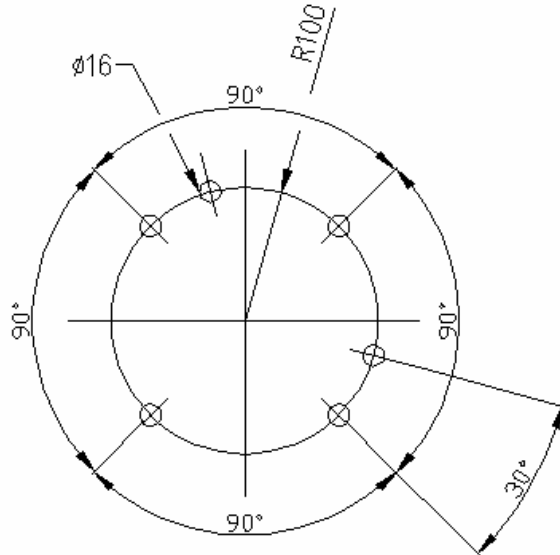
- Levelling system at the base.
- Eyeshade to avoid reflections.
- Alignment peepholes.
- Stainless-steel hardware.
- Fixing: 3 or 4 nos. off M12 bolts.
- Operating temperature: -30° to +70°C.
- Protection class: IP 66.
- Electromagnetic compatibility C E .

### Shipping Data

- Net weight: .....12 Kg.
- Gross weight: .....17 Kg.
- Package size (cartoon): 50cm x 80cm x 50cm (h).

### Options

- Automatic intensity reduction at night by using lamp voltage reduction.
- Telescopic Visor.
- AC operation.
- GPS synchroniser.
- Remote monitoring module by GSM.



MEL 350 HD	LIGHT INTENSITIES (Cd)		
	WHITE	RED	GREEN
Lamp Power			
12V/20W Halogen	820	171	180
12V/35W Halogen	1,260	330	365
12V/50W Halogen	1,945	535	560
12V/100W Halogen	4,210	1,120	1,195
24V/150W Halogen	5,630	1,315	1,410

