

MEL 350 Leading Light

The MEL 350 is a Leading Light designed to mark port entrance channels, rivers, canals and similar markings.

Light emission generates a well defined unidirectional beam with a horizontal divergence up to 30° by using standard marine halogen lamps.

Two MEL 350 lights give a good indication to mariner to establish the channel centreline and his navigation error degree. The MEL 350 can also be used as a single leading light station.

The optimal separation between lights is calculated according to site features. Lights can be configured for flash synchronising.

F E A T U R E S

Optical System

- Nominal visibility night range: 22.2 n.m. (T = 0.74).
- Range of 35.3 n.m. (T = 0.85).
- Aspheric condenser glass lens.
- High-precision optical system stabilised against vibrations.
- Accuracy: 0.05° (3' of arc only in high-definition version).
- Adjustable divergence between 2° and 30°.
- Flashing, isophase or occulting flash characters.

Lamp System

- Equipped with 6 nos. off prefocused halogen lamps, 12V Pr30s cap, 3000h 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).



- Short-circuit protection.
- Reverse-polarity protection.
- Transient-overvoltage protection.
- Overtemperature protection.



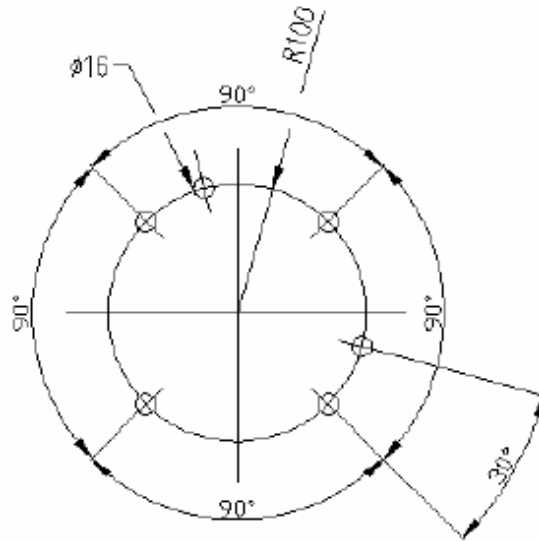
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Others

- Levelling system at the base.
- Eyeshade to avoid reflections.
- Alignment peepholes.
- Stainless-steel hardware.
- Fixing: 3 or 4 nos. off M12 bolts.
- Temperature range: -30° to +70°.
- Protection class: IP 66.
- Net weight: 11 Kg.
- Electromagnetic compatibility CE .

Options

- High-definition version.
- Automatic intensity reduction at night by using lamp voltage reduction.
- Red, green and yellow filters.
- Telescopic Visor.
- AC operation.
- GPS synchronizer.
- Remote monitoring module by GSM.



MEL 350	STATIONARY INTENSITIES (Cd) • HORIZONTAL DIVERGENCE									
	LAMPS	0°-2°	3°	5°	7.5°	10°	15°	20°	25°	27°
12V 10W Hal	48,000	27,000	14,300	10,500	5,400	2,600	1,400	750	600	460
12V 20W Hal	121,000	56,000	28,000	21,500	6,000	6,250	3,500	2,700	2,100	1,200
12V 35W Hal	162,000	85,000	46,000	32,600	8,500	8,630	5,200	2,850	2,300	1,510
12V 50W Hal	170,000	93,000	50,000	35,500	12,500	12,500	8,000	4,800	3,850	3,150
12V 100W Hal	230,000	124,000	76,000	48,500	19,000	19,050	15,200	9,600	8,000	5,450
24V 150W Hal	268,000	145,000	84,000	62,000	25,500	25,600	17,000	11,000	9,150	7,200

These values are for white light.

For colours, apply these factors:

- Red, green, multiply by 0.3.
- Amber, multiply by 0.55.



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