



MPV LED

Heavy duty ice buoy LED lantern

The MPV LED is an LED lantern designed to be used in most severe ice conditions, and is capable of surviving the crushing pressure and dynamic forces of ice in winter conditions.

- Rugged bronze alloy housing for installation in harsh marine environments
- Designed to be fully waterproof – can withstand submersion down to 100 meters
- Integrates firmly onto buoy top – presents a very low profile to lateral forces from ice
- Enables battery replacement through lantern without removing the lantern from buoy
- Visual range up to 6 NM ($T_c = 0,74$)
- Standard IALA colours
Red, Green, White and Yellow
- Extremely low power consumption;
ideal for primary battery operation
- Integrated flasher with day light switch
- Adjustable intensity and range
- Programmable with Sabik standard IR programming devices
- Integrated 365 day event log
- Optional integrated GPS synchronization
- Optional integrated
GSM Remote monitoring



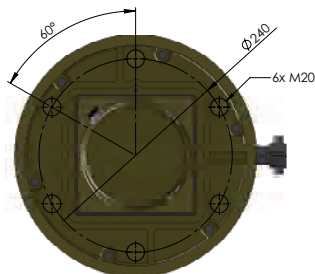
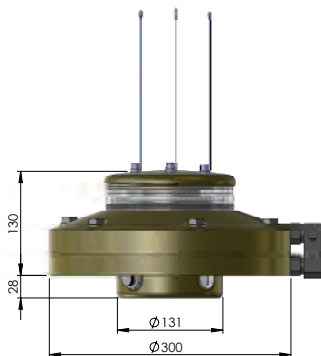
Optical performance

Maximum fixed intensity

At full power 6 W 120 cd 160 cd 240 cd 120 cd

Main Technical Specification

Lens visual/Mechanical diameter	160 mm
Lens material	UV stabilized Polycarbonate
Light source	Light Emitting Diodes (LEDs)
Vertical divergence (wide lens)	10° @ 50% (±1°) of peak intensity
Unit lifetime	Up to 10 years
Weight	25 kg
Temperature range	-40°...+60°C
Supply Voltage	10 – 32 VDC
Power consumption	max 6 watts
Degree of protection	IP 68
Cable length	2 m / 6 m



Order Overview MPV LED

W = Wide (10° @ 50 % of peak intensity)

Red	MPV-LED-WR	H = with hinge
Yellow	MPV-LED-WY	J = without hinge
Green	MPV-LED-WG	
White	MPV-LED-WW	

Product code example: MPV-LED-WG-4

- **MPV-LED** is Sabik code for a MPV LED
- **WG** is the code for a wide lens in green
- **4** is a selection of option 4 GPS synchronization

Option matrix

OPT 4: GPS sync	Integrated GPS sync including GPS antenna
OPT 9: LightGuard GSM + GPS	Integrated GSM based monitoring including GSM/ GPS antennas
OPT 10: LightGuard GSM	Integrated GSM based monitoring including GSM antenna
OPT 11: Control card	Control card for secondary battery
OPT 12: Aux card with I/O	Aux card including I/O ports
OPT 13: Aux card with RS485 and I/O	Aux card including RS 485 and I/O port