



## VP LED

### Buoy LED lantern

The VP LED is an LED lantern designed to be used in moderate ice conditions. It has a proven record of surviving the crushing pressure and dynamic forces of ice. VP LED is mainly used on plastic ice spars and buoys when a lightweight unit is important.

- Marine grade aluminium housing
- Designed to be fully waterproof, can sustain extensive submersion
- Integrates firmly onto buoy top and presents a very low profile to lateral forces from ice
- Lantern can be removed for battery replacement
- 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
- Optional Bluetooth control



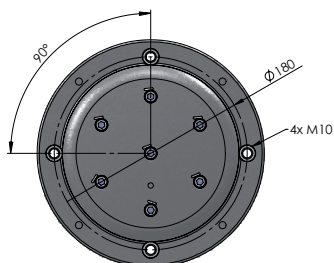
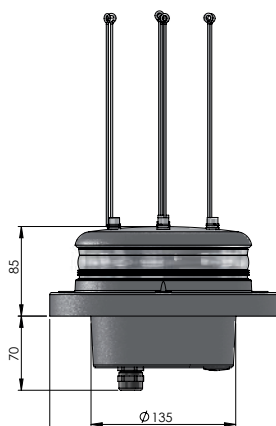
Optical performance

Maximum fixed intensity

At full power 6 W	120 cd	160 cd	240 cd	120 cd
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Main Technical Specification

Lens visual/Mechanical diameter	160 mm
Lens material	UV stabilized Polycarbonate
Light source	Light Emitting Diodes (LEDs)
Vertical divergence	10° @ 50 % (±1°) of peak intensity
Unit lifetime	Up to 10 years
Weight	3,2 kg
Temperature range	-40°...+60°C
Supply Voltage	10 – 32 VDC
Solar Panel Charger	16 ampere PWM charger
Power consumption	Max 6 watts
Degree of protection	IP 68
Cable length	2 m / 6 m



Order Overview VP LED

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

Red	VP-LED-WR
Yellow	VP-LED-WY
Green	VP-LED-WG
White	VP-LED-WW

Product code example: VP-LED-NW-13

- VP-LED is Sabik code for a buoy lantern
- NW is the code for a Narrow lens in white
- 13 is a selection of option 13 Aux card with RS485 and I/O

Order Overview VP LED B/Y

Wreck marking buoy lantern blue/yellow

Product codes

VP LED BLUE/YELLOW WRECK MARK	VP-LED-2-WBY
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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
OPT BT	Bluetooth control