



VPLED

Buoy LED lantern

The VPLED 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. VPLED 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



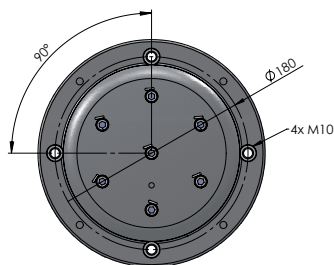
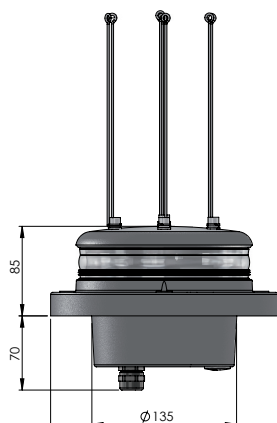
Optical performance

Maximum fixed intensity

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

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 VPLED

Product code

Code	Note
VPLED-c10D-OPT	
c	Color (R, W, G or Y)
10D	Vertical divergence 10°
OPT	Options

Product code example: VPLED-R10D-13

- **VPLED** is Sabik code for a buoy lantern
- **R10D** is the code for a 10 degree lens in red
- **13** is a selection of option 13 Aux card with RS485 and I/O

Order Overview VPLED B/Y

Wreck marking buoy lantern blue/yellow

Product codes

VPLED BLUE/YELLOW WRECK MARK	VPLED-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