



VLB-5X-SA

LED lantern for buoys and minor beacons up to 5,5 NM range

VLB-5X-SA is a compact and durable lantern with an excellent performance. Thanks to the small size and low weight it is a good choice for light fixed structures and buoys.

Benefits include:

- **Optical range – 5.5 NM**
- **Five colours meeting IALA chromaticity requirements**
- **Light intensity automatically adjusts with flash character setting (Schmidt-Clausen)**
- **12 options for day to night transition light levels**
- **More than 256 flash characters**
- **Calendar control of beacon operation**
- **Alarm output (system notification)**
- **Available with GPS synchronization**



Optical Performance

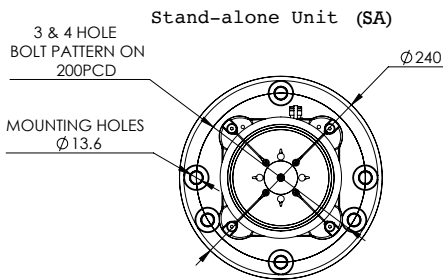
Maximum peak intensity				
7°	177cd	177cd	177cd	157cd

Optical specification

Light source	High Power Light Emitting Diode (LED)
Vertical divergence	7 degrees @ 50% peak
Temperature control	LEDs monitored for constant intensity control and over temperature protection

Main Technical Specification

Nominal Range	Up to 5.5 NM
Lens	Moulded acrylic (PMMA)
Base	Injection Moulded UV Stabilized Nylon 6/6 with 30% glass fill
Designed service life	10 years
Weight	1.0 kg
Flash character	256 standard characters plus custom character
Temperature range	-40° to +50°C
Voltage	12 VDC (9-18 VDC)
Solar charger	Integrated 2 amp * (no output cable supplied without order request)
Degree of protection	IP 68
Cable length	2 m / 6 m



Order Overview VLB-5X-SA

Product code

Code	Note
VLB-5X-c07-SA(-GS)	
c	Color (R, G, W, Y)

Option matrix

DP-AL-SW	Dataport, alarm/monitor & wire synch factory option
GS	Internal GPS sync module as factory option