



## VLB-5X-SS

Self-contained LED lantern for buoys and beacons up to 5,5 NM range

The VLB-5X-SS includes the latest LED technology, new battery technology, and an advanced charging algorithm, which supports the battery to perform well in extreme weather conditions.

Benefits include:

- Optical range – 5.5 NM
- Battery technology and advanced charging algorithm
- Excellent battery life in hot climates
- Excellent battery capacity in cold climates
- The 5X battery will continue to charge between  $-40^{\circ}\text{C}$  and  $65^{\circ}\text{C}$
- 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

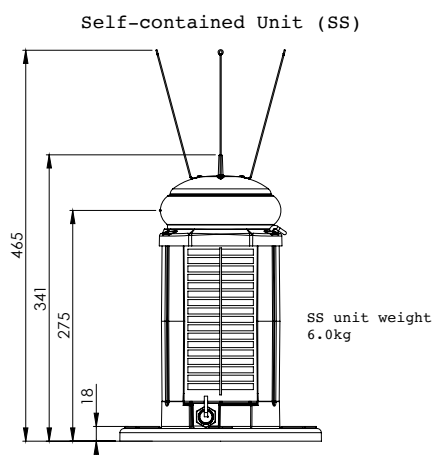
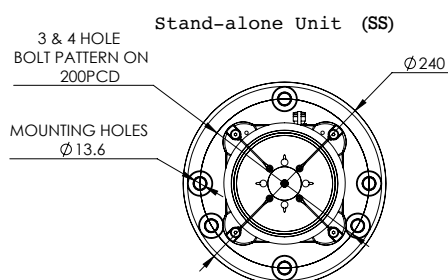
7°	177cd	177cd	177cd	157cd
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## Optical specification

Light source	High Power Light Emitting Diode (LED)
Vertical divergence	7° @ 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
Body	Injection Moulded UV Stabilized Nylon 6/6 with 30% glass fill
Designed service life	10 years (excluding battery)
Weight	6 kg
Flash character	256 standard characters plus custom character
Temperature range	-40° – +50°C
Battery capacity	12 Ah
Voltage	12 VDC (9-18 VDC)
Degree of protection	IP 68



## Order Overview VLB-5X-SS

### Option matrix

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