



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

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 battery will continue to charge between -40°C and 65°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





## Technical Specification

#### **Optical Performance**

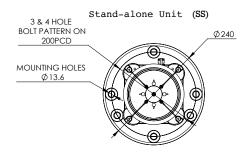
Maximum peak intensity				
7°	177cd	177cd	177cd	157cd

#### **Optical specification**

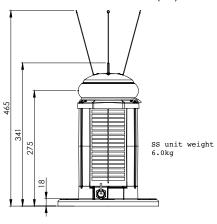
Light source	High Power Light Emitting Diode (LED)	
Vertical divergence	7º @ 50% peak	
Temperature control	LEDs monitored for constant intensity control and over temperature protection	

#### **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	



Self-contained Unit (SS)



### **Order Overview**

#### Option matrix

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

