



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



Optical Performance

Maximum peak intensity

| | | | | |
|----|-------|-------|-------|-------|
| 7° | 177cd | 177cd | 177cd | 157cd |
|----|-------|-------|-------|-------|

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

Option matrix

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

