

# PELANGI

## L.E.D. LANTERN

## PL40 SERIES



PL45 buoy lantern with adjustable solar panel tilt angle



PL43 lantern mounted on PB1650 buoy

### LANTERN MOUNTING DETAILS

**Standard version:** To fit 50mm O/D pipe.

### LANTERN LIFE EXPECTANCY

**Standard version:** LED 100,000 Hours.

The PL40 solar-powered marine lantern has been designed as a buoy or beacon lantern for short to medium ranges.

- Provides Ports and Harbours with long term, cost effective, maintenance free service.
- Wide optical divergence fresnel lens will adequately compensate for buoy roll in heavy sea conditions or where the floating buoy is positioned in strong estuary currents.
- Ideal electrical replacement for acetylene powered buoy lights with wide divergence.
- Lightweight self-contained design enables small buoys to carry light not previously practical due to size and weight of solar panel assembly.
- Standard 15 LED arrays with choice of White, Red , Green or Yellow colour.
- The lantern body is a one-piece marine grade LM25 aluminium casting with a fixing to a 50mm OD standard pipe/tube.
- All external brackets are 316 stainless steel.
- No need for external cabling and hence easy to install on buoys, jetties, or breakwaters.
- Adjustable board mounted pots enable 256 flashing character selection and 25, 50 and 75 dimming of intensity to save power on heavy characters.
- Optional extras include galvanised mounting bracket, "Special Mark" top mark and PA12, 14 and 16 series radar reflectors.
- Lantern can also be used as HOSELINE MARKER beacon which does not require battery replacement.
- Units in Series:

PL41	No solar panel or battery
PL42 Single	12 watt solar panel and 7.2AH Battery
PL43 Double	12 watt solar panel and 7.2AH Battery
PL44 Single	5 watt solar panel and 7.2AH Battery
PL45 Double	5 watt solar panel and 7.2 AH Battery

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15 L.E.D. Flasher assembly with adjustable flash character

### TECHNICAL SPECIFICATION

Power Consumption	: 150 milli amps
Photo Cell	: Included
Dimming Adjustment	: 25,50 and 75 %
Nominal Range @ 0.74	: 3 miles
Colours available	: Red, Green, White, Yellow
Enclosure Material	: LM25
Protection	: Epoxy Coated
PL41 weight lantern only	: 1.5 Kgs
PL42 weight single 12watt	: 5.6 Kgs
PL43 weight double 12 watt	: 7.7 Kgs
PL44 weight single 5 watt	: 5.3 Kgs
PL45 weight double 5 watt	: 7.7 Kgs

Speak to Pelangi staff with your application and site Latitude and Longitude together with your desired character to receive free computer generated solar sizing for the correct unit selection.

