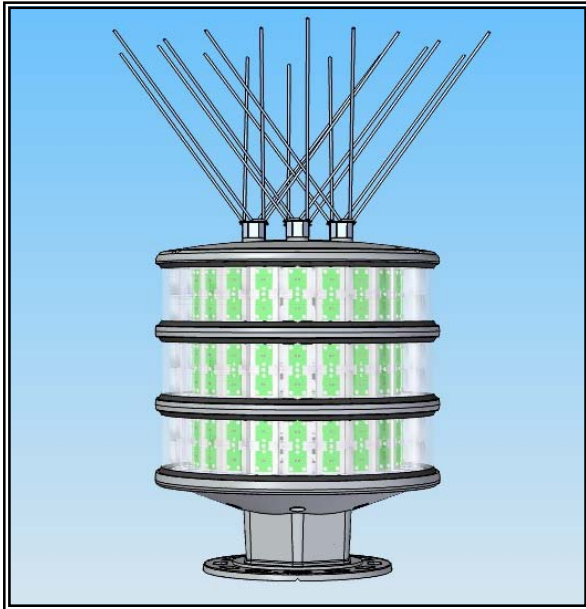


# PELANGI

## LANTERN

## PL350H

High-power LED Lantern for long range beacons and lighthouses.



Development drawing of a triple tier PL350H Lantern.

### SPECIFICATION

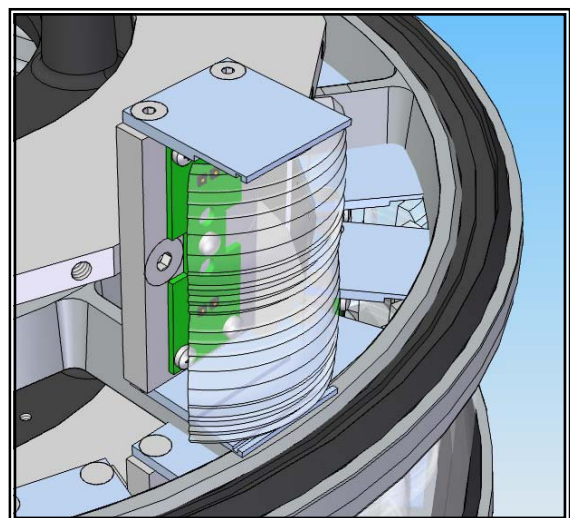
Fresnel Lens Diameter:	350mm
Fresnel Lens Material:	Optical Polycarbonate
Light Source:	Light Emitting Diodes
Peak Intensity per tier:	4500 candelas, white 2300 candelas, red 2300 candelas, green
Vertical Divergence:	3% to 10% of peak intensity
Colours:	Red, Green, White
Temperature Range:	-40 to +60 Celsius
Mounting Holes:	4 x 12 mm on 200 PCD
Weight:	8 Kg for single tier, plus 2Kg per additional tier



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The PL350H lantern is a development of the popular PL350 lantern series with increased range now reaching up to 16NM.

- Same proven rugged construction as other PL350 lanterns, designed to withstand Baltic winters without need of protective ice dome.
- Available with up to 7 tiers of LED's in one unit to suit the viewing range required.
- Low maintenance, with up to 10 years unattended service.
- More power efficient than equivalent filament lanterns, allowing solar power where not previously practical or cost effective, or longer ranges for the same power consumption.
- Unlike filament lamps, the electrical contact time is equal to the flash length. Similarly, no reduction need be applied for filter losses when a coloured light is required.
- Can interface to WEBSCADA System. This enables connection to Satellite, Radio, or GSM monitoring systems.
- Each tier comprises 12 individual LED optical heads each with fresnel lens as shown below.



Detail of one of the 12 optical heads