

PELANGI

LANTERN

PL155-LED

Robust Marine LED Beacon and buoy lantern for medium range duties.



Single PL155-LED

Technical Specification

Diameter:	170mm
Height:	140mm (single tier)
Net Weight:	3.9 Kg (single tier)
Power Consumption:	6 Watts per LED tier*
Idle Current:	1 milliamp
Operating Voltage:	6 - 22 Volts DC

*Flash character reduces total on prorata basis

Mounting Options

3 x 8mm holes on 150 PCD or
4 x 12mm holes on 200 PCD

The PL155-LED Marine lantern has been designed for up to 10 years unattended service.

- Rugged construction designed to withstand Baltic winters without need of protective ice dome.
- Available in Single, Duplex, and Triplex versions with each layer adjustable from 2 to 6.5 watts to conserve power.
- Driven by well proven COMMUNICATOR Flasher enabling direct connection via Satellite or Radio to PELANET monitoring system.
- Up to 10 years unattended service for the lantern possible.
- Standard or Wide vertical divergence versions available to suit beacons or buoys.
- Multiple array options for increased ranges up to nominal 8 miles possible.
- No lamp changes required.
- Lower intensities possible for further power economy.
- Zone I certified lantern version is available to EEx em II T4 standards extended for operation down to -40°C

Related Products

Communicator Flasher
PELANET Remote Monitoring
Solar Power Systems



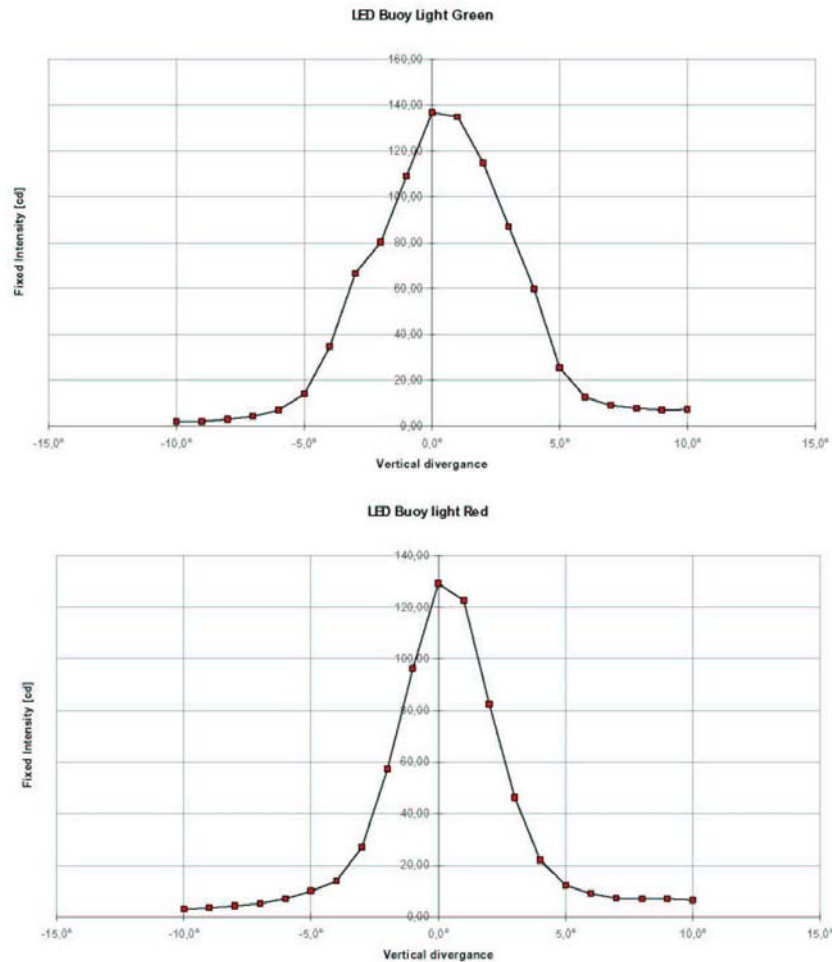
**INDUSTRIAL MEMBER
INTERNATIONAL
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AUTHORITIES**

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7. OPTICAL PERFORMANCE / VERTICAL DIVERGANCE



Vertical Divergence	PL155-LED Standard				PL155-LED Wide			
	6°@50% 10°@10%				10°@50% 20°@10%			
	Intensity per tier	Range/NM			Intensity per tier	Range/NM		
		Single	Duplex	Triple		Single	Duplex	Triple
Green	170cds	6.2	7.3	8.1	120cds	5.6	6.8	7.5
Red	140cds	5.9	7.0	7.8	120cds	5.6	6.8	7.5
White	260cds	6.9	8.1	8.8	170cds	6.2	7.3	8.1
Yellow	100cds	5.4	6.5	7.2	100cds	5.4	6.5	7.2

- Unlike filament lamps, the electrical contact time is equal to the flash length. Similarly, no reduction need be applied for filter losses when coloured light is required.
- Above candela figures were measured after temperature stabilisation with fixed intensity.
- Ranges are based on fixed intensity. Range for a given flash length can be advised.
- All ranges are quoted with standard atmospheric transmission factor, T = 0.74.