

PELANGI

LANTERN

PL155

Marine beacon and navigation buoy lantern for short to medium range applications.



SHIPPING SPECIFICATION:

Diameter	249mm
Height	478mm
Nett Weight	2.25kg
Gross Weight	3.80kg

MOUNTING DETAILS:

4 holes x 20mm diameter on 195 PCD.



The PL155 marine lantern has been designed to provide a lightweight but robust buoy or beacon lantern for short to medium range beacons or buoys.

- 155mm diameter U.V. stabilised acrylic fresnel lens provides high optical output from low wattage lamps. Lens is interchangeable with API and ESNA bases.
- Lens available in clear, red, green or signal yellow colours (conforms to IALA recommendations), with option for lens screening for bridge applications.
- Highly robust Polycarbonate hot moulded base.
- Easy access to internals via thumbscrews, whilst 'O' ring gaskets ensure a high degree of weather tight protection.
- Stainless Steel hardware
- Versatile choice of light sources :
 - dual filament C8 lamps.
 - single C8 or CC8 filament with PA6 lampchanger.
 - Halogen and PA6 lampchanger.
- Choice of flashers: COMMUNICATOR or EASY for D.C. duties with options for radio synchronisation or remote monitoring with the Pelangi PELANET system. For AC duties PA4 will accommodate 110 or 240V.
- Ultra-high intensity 24J Strobe version now available for special hazard warning applications such as fog and low visibility. Option for either push button radio operation from port control or interconnection to our FD7100 fog detector for automatic activation during periods of low visibility.

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TECHNICAL SPECIFICATION

COLOR CHARACTER					WHITE						RED						GREEN					
TRANSMISSION FACTOR					FIXED			FLASHING			FIXED			FLASHING			FIXED			FLASHING		
LAMP					RANGE IN MILES (C)						RANGE IN MILES (C)						RANGE IN MILES (C)					
File	Volt	Amps	(e)	(b)	0.85	0.74	0.40	0.85	0.74	0.40	0.85	0.74	0.40	0.85	0.74	0.40	0.85	0.74	0.40			
ns			Deg	CDS																		
C8	6	0.25	2.6°	35	4.3	3.6	2.1	3.3	2.8	1.7	2.7	2.4	1.4	2.1	1.8	-	2.7	2.4	1.4	2.1	1.8	-
C8	6	0.46	3.2°	75	6.2	5.0	2.8	5.1	4.1	2.4	4.1	3.4	2.1	3.3	2.8	1.7	4.2	3.5	2.1	3.3	2.8	1.7
C8	6	0.70	-	90	6.8	5.4	3.0	5.5	4.4	2.5	4.4	3.7	2.2	3.6	3.1	1.8	4.6	3.8	2.2	3.7	3.2	1.8
C8	6	0.92	-	125	7.1	5.5	3.1	6.0	4.8	2.6	4.6	3.8	2.3	4.0	3.3	2.0	4.8	4.0	2.3	4.0	3.3	2.0
C8	12	0.25	4.1°	50	5.3	4.3	2.5	4.1	3.4	2.0	3.4	2.9	1.7	2.6	2.3	1.3	3.4	2.9	1.7	2.6	2.3	1.3
C8	12	0.55	6.5°	110	6.8	5.4	3.0	5.5	4.4	2.5	4.4	3.7	2.2	3.6	3.1	1.8	4.6	3.8	2.2	3.7	3.2	1.8
C8	12	0.77	6.8°	140	7.2	5.6	3.1	6.1	4.9	2.7	4.8	4.0	2.3	4.0	3.3	2.0	4.9	4.0	2.3	4.1	3.4	2.0
C8	12	1.15	6.4°	240	8.5	6.5	3.5	7.2	5.6	3.1	5.8	4.7	2.6	4.8	4.0	2.3	6.0	4.8	2.6	5.1	4.1	3.4
C8	12	1.35	-	270	9.3	7.0	3.7	8.1	6.2	3.4	6.4	5.1	2.8	5.5	4.5	2.5	6.5	5.2	2.8	5.7	4.6	2.8
C8	12	2.03	8.2°	500	10.5	7.8	4.0	9.3	7.0	3.7	7.3	5.7	3.1	6.4	5.1	2.8	7.5	5.8	3.2	6.5	5.2	2.5
C8	12	3.05	7.1°	585	11.5	8.3	4.2	10.2	7.6	3.8	8.1	6.2	3.4	7.1	5.5	3.1	8.3	6.3	3.4	7.3	5.7	3.1
C8	12	4.00	-	765	12.3	8.8	4.4	11.2	8.2	4.1	8.9	6.7	3.6	8.0	6.1	3.3	9.0	6.8	3.6	8.1	6.2	3.3
C8	12	5.00	-	930	12.8	9.2	5.6	11.8	8.6	4.3	9.3	7.0	3.7	8.5	6.5	3.4	9.5	7.1	3.7	8.6	6.6	3.5

Wide Divergence Lamps

File	Volt	Watts	(e)	(b)	0.85	0.74	0.40	0.85	0.74	0.40	0.85	0.74	0.40	0.85	0.74	0.40	0.85	0.74	0.40			
2xc8	10.3	2	3°	40cd	5.1	4.1	2.4	4.0	3.3	1.9	3.3	2.8	2.4	2.4	2.2	1.4	3.2	2.7	1.7	2.4	2.2	1.4
2xc8	10.3	5	4°	95cd	6.8	5.4	3.0	5.5	4.4	2.5	4.4	3.7	2.2	3.6	3.1	1.8	4.6	3.8	2.2	3.7	3.2	1.8
2xc8	10.3	10	5°	190cd	8.4	6.4	3.5	7.1	5.5	3.2	5.8	4.7	2.8	4.9	3.9	2.3	5.7	4.6	3.7	4.8	3.8	2.3
2xc8	10.3	20	6°	380cd	10.5	7.7	4.2	9.2	6.8	3.7	7.2	5.6	3.2	6.4	5.0	2.8	7.1	5.5	4.2	6.4	4.9	2.7
2xc8	10.3	40	7°	770cd	12.5	8.7	4.7	11.0	8.0	4.2	9.0	6.8	3.7	7.7	5.8	3.3	8.8	6.7	3.5	8.8	5.8	3.5
2xc8	10.3	60	8°	1140cd	13.5	9.6	4.9	12.5	8.9	4.6	10.0	7.5	3.9	9.2	6.8	3.7	9.8	7.3	3.8	8.9	6.7	3.6
2xc8	10.3	100	10°	1800cd	15.2	10.5	5.3	14.0	10.0	5.0	11.6	8.3	4.3	10.9	7.8	4.2	11.4	8.2	4.2	10.7	7.7	4.1

- (a) Minimum recommended flash length for wattage.
- (b) Stationary steady burning intensity.
- (c) Range when flashed at (a).
- (d) For yellow lens read white range x 0.9
- (e) Vertical divergence measured to 10% of peak intensity (lo)
- (f) Transmission factor 0.85 = clear; 0.74 = IALA standard; 0.4 = Rain

