LED-85/P MARINE LANTERN

The LED-85/P Marine Lantern is a lightweight, versatile, compact lantern. The wide vertical divergence compensates for the rolling action of a buoy.

FEATURES

Lightweight, robust design.

Tough polycarbonate cover.

Efficient energy to light conversion.

Very wide vertical divergence.

Uses standard (user programmable) ELCO-12 flasher/regulator with photo cell.

Integral birdspike.

Extremely long LED life.

Colour co-ordinated clamp ring.

PRODUCT ADVANTAGES

Improved performance when on buoyage in high seas – visible to both large and small vessels.

Reduced power system requirement.

Low maintenance and spares holding requirement.

Multi Entry (bottom entry)

LED-85/P Marine Lantern

APPLICATIONS

For channels, rivers and harbours and open sea locations.

Jetty lights, Buoy lights and Remote Station beacons.

FULLY TESTED

To: BS EN 60529 1992
To: IP 67 Level
Cert No 16336/8

Shock Tested
To: MIL-STD 810D
516.3
Cert No 16337

Pharos Marine Automatic Power

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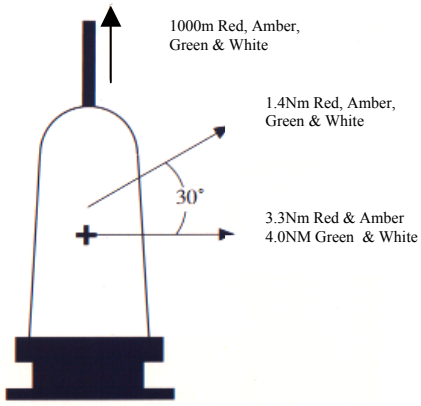
SPECIFICATIONS

GUARANTEED MINIMUM (Peak) INTENSITY

LED Nominal Power	RED Intensity	DIVERGENCE		AMBER Intensity	DIVERGENCE	
		to 10%pt	to 50%pt		to 10%pt	to 50%pt
5W	15cd	$>60^0$	10^0	15cd	$>60^0$	8^0
10W	30cd	$>60^0$	10^0	30cd	$>60^0$	8^0

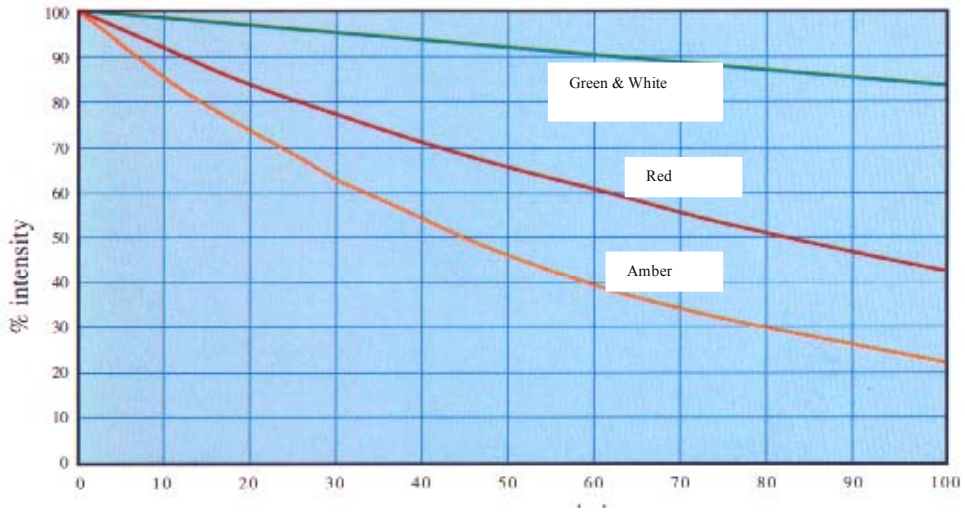
LED Nominal Power	GREEN Intensity	DIVERGENCE		WHITE Intensity	DIVERGENCE	
		to 10%pt	to 50%pt		to 10%pt	to 50%pt
6W	25cd	$>60^0$	15^0	20cd	$>60^0$	15^0
12W	50cd	$>60^0$	15^0	40cd	$>60^0$	15^0

LED-85/P	
Cover : Cover material : Base material :	85mm Polycarbonate Polycarbonate
Overall height : Overall diameter : Focal height : Fixing : Net weight :	310mm 170mm 128mm Three 9mm holes on 150mm PCD 1.4 kg



Typical night-time range (at T=0.74) in Nm of a flashing 10/12watt LED-85 lantern

INTENSITY DERATING CURVES FOR RED, GREEN, WHITE AND AMBER LED-85 /P LANTERNS WITH DIFFERING FLASH CHARACTERSTICS



% flash characteristic

Example : 10W (red) character 0.3+0.7=1 second
ie. 30% duty cycle = 78% of 30cd = 23.4cd