

Dialight

“LED BASED” DUAL RED / WHITE MEDIUM INTENSITY BEACON



Compliant to:
ICAO
(Annex 14 - Fourth Edition, July 2004)

FEATURES / BENEFITS

- ▲ 20,000 cd nominal daytime white and three nighttime modes; 2,000 cd white, 2,000 cd red or 170 cd red
- ▲ Capable of 10%, 30% or 100% intensity settings
- ▲ Designed to replace Dual Xenon Strobe units, Medium Intensity Type A/B
- ▲ Resistant to shock and vibration
- ▲ Universal 100/240 VAC input 50/60Hz or 24 VDC
- ▲ Can be controlled and monitored by Dialight approved, industry accepted, obstruction lighting system manufacturers
- ▲ Eliminates high voltage parts and issues associated with traditional strobes
- ▲ Dramatically reduces cable sizing requirements
- ▲ Meets or exceeds industry EMI/RFI standards
- ▲ IP66 / NEMA 4X rated

PATENT PENDING

APPLICATION

▲ The Dialight dual beacon is the first production medium intensity Red/White beacon, utilizing state of the art optics. With the use of a simple controller, the beacon provides over 20,000 cd white for daytime use and has the following three night modes; 2,000 cd white, 2,000 cd red or 170 cd red. Its advanced passive temperature management system maintains the LEDs well within their temperature tolerance in all operating conditions. The beacon has a micro-processor controlled driver and a default flash mode if it loses communication with the controller.

SPECIFICATIONS

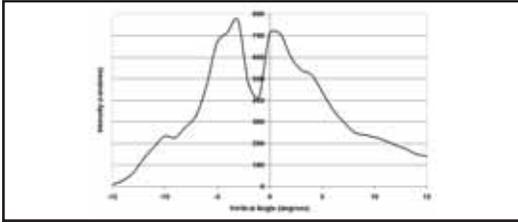
- ▲ **Operating Voltage** : 100 - 240 VAC, 50 - 60 Hz or 24 VDC
- ▲ **Lightsource** : LEDs > 10+ year life expectancy
- ▲ **Effective Intensity** : 20,000 cd white \pm 25% in daytime mode, 2,000 cd white \pm 25% in nighttime mode, 2,000 cd or 170 cd red \pm 25% in nighttime mode
- ▲ **Operating Temperature** = -40°C to +55°C
- ▲ **Storage Temperature** = -55°C to +55°C
- ▲ **Surge / Lighting Protection** : Designed to withstand IEC61000-4-5, 6kV/3000A, 1.2/50us, 8/20us, 2 ohm output impedance, combination wave, line-line and line-ground minimums
- ▲ **Flash Rate** : 20 fpm



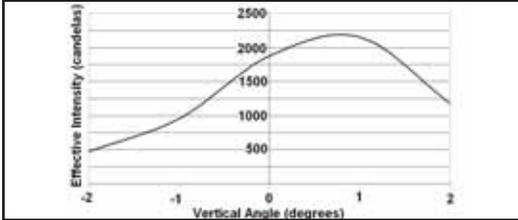
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PHOTOMETRIC DATA

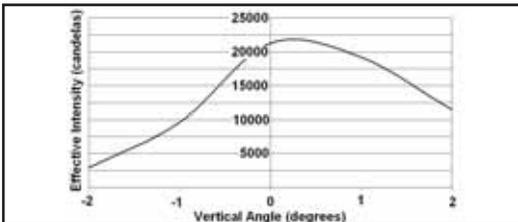
Red 170cd



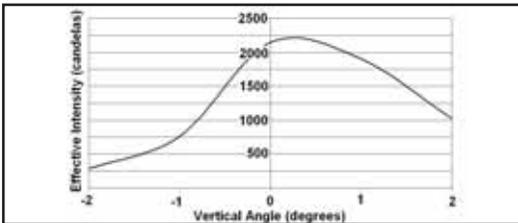
Red Night Time



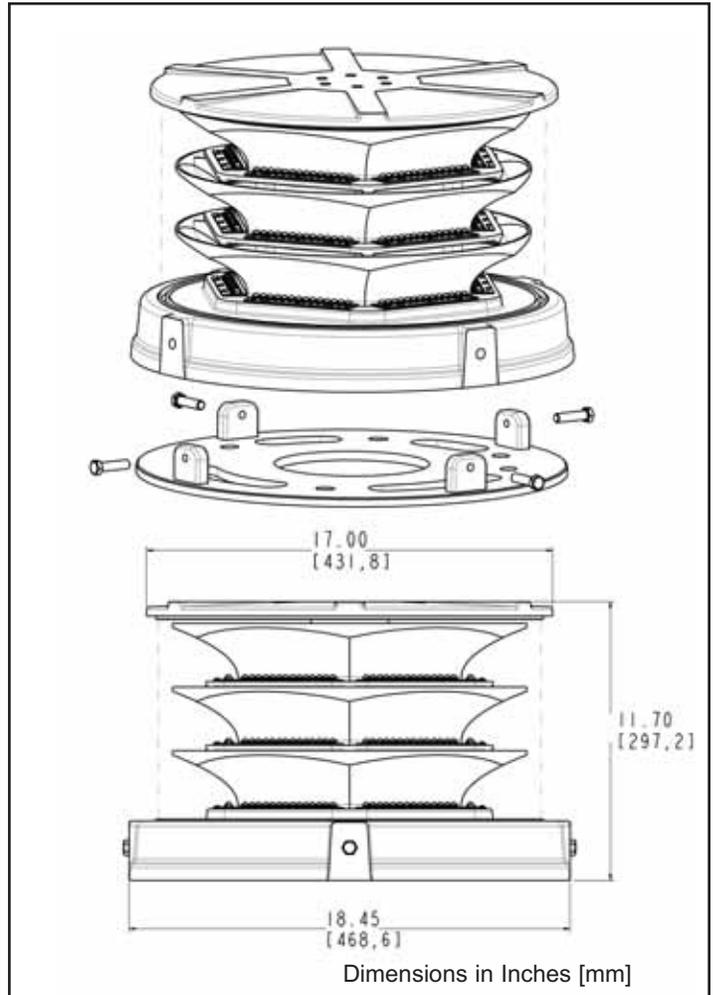
White Day Time



White Night Time



MECHANICAL DIMENSIONS



ORDERING INFORMATION

Product	Description
D1RW-C13-006-EU	Dual red/white Beacon, 120/240 VAC (ICAO only)
D1RW-G13-006-EU	Dual red/white Beacon, 170cd red 120/240 VAC (ICAO only)
D1RW-C15-006-EU	Dual red/white Beacon, 24 VDC (ICAO only)
D1RW-G15-006-EU	Dual red/white Beacon, 170cd red 24 VDC (ICAO only)

UNIT ELECTRICAL SPECIFICATIONS

	SUPPLY VOLTAGE (+/- 15%)		WATTS			VA		
	100	240	80	92	100	89	102	111
White (20 fpm) VAC	100	240	80	92	100	89	102	111
White (20 fpm) VDC		24	89	103	111			
White (20 fpm 2,000cd) VAC	100	240	40	45	50	45	50	56
White (20 fpm 2,000cd) VDC		24	45	52	58			
Red (Steady Burning 170 cd) VAC	100	240	49	60	65	55	67	72
Red (Steady Burning 170 cd) VDC		24	54	67	73			

WEIGHTS

Flash Head	Approx 20 Kg (44 lbs)
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