

Dialight

“LED BASED” DUAL RED / WHITE MEDIUM INTENSITY BEACON



Certified to: FAA AC NO: 150/5345-43F
ICAO (Annex 14, July 1999)

FEATURES / BENEFITS

- ▲ 20,000 cd nominal daytime white and 2,000 nighttime red
- ▲ Designed to replace Dual Xenon Strobe units, FAA type L865/L864 ICAO Medium Intensity Type A/B
- ▲ Resistant to shock and vibration
- ▲ Universal 110/240 VAC input 50/60Hz
- ▲ Innovative Temperature Management System (TMS) to ensure longevity of LEDs
- ▲ Can be controlled and monitored by Dialight approved, industry accepted, obstruction lighting system manufacturers
- ▲ Capable of multiple intensity settings
- ▲ 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 will provide over 20,000 cd in the daytime mode and 2,000 red in the night time mode. In the event of a problem with the nighttime mode red, the light will default to 2,000 cd white night time operation. Its advanced passive temperature management system maintains the LEDs well within their temperature tolerance in all operating conditions. The beacon has a microprocessor controlled driver and a default flash mode if it loses communication with the controller.

SPECIFICATIONS

- ▲ **Operating Voltage** : 110 - 240 VAC \pm 10%, 50 - 60 Hz
- ▲ **Power Consumption** : 300W Continuous @ 40 fpm (Daytime), 60W Continuous @40 fpm (Nighttime)
- ▲ **Lightsource** : LEDs > 10+ year life expectancy
- ▲ **Effective Intensity** : 20,000 cd white \pm 25% in daytime mode, 2,000 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 - 40 fpm (controller dependent)
- ▲ **Synchronization** : 2 unit sync from single controller (Operates with other manufacturers of GPS sync devices)

Dialight reserves the right to make changes at any time in order to supply the best product possible.

Dialight Europe Ltd.

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A Subsidiary of Dialight PLC



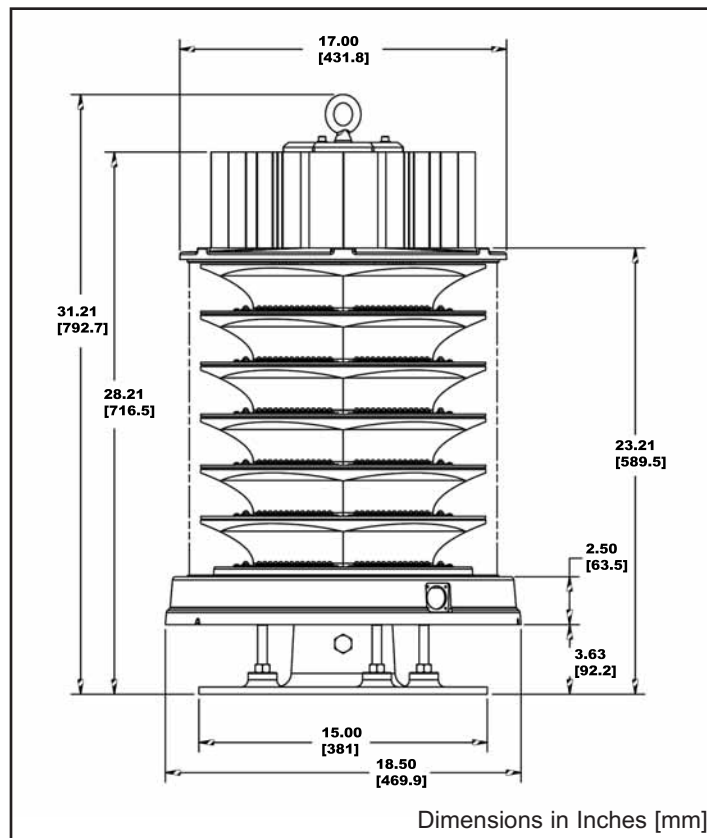
Dialight Corporation

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MDTFD265X001_D

MECHANICAL DIMENSIONS



ORDERING INFORMATION

Product	Description
D8RW-C13-006	Dual Beacon 20,000cd daytime white, 2,000cd nighttime red
* D8RW-C13-006-EU	Dual red/white Beacon, 120/240 VAC (ICAO only)
* D8RW-G13-006-EU	Dual red/white Beacon, 170cd red 120/240 V (ICAO only)

* ICAO application only (Not ETL certified)

WEIGHTS & MEASUREMENTS

Product	Approx. Shipping Weight	Container Dimensions
Dual Beacon	181 lbs	23" x 23" x 38"
Control Box	84 lbs	26" x 19" x 11"

UNIT ELECTRICAL SPECIFICATIONS

	SUPPLY VOLTAGE (+/- 10%)		INPUT POWER (W)			VOLT AMPS (VA)		
	Min	Max	Min	Nom	Max	Min	Nom	Max
White (40 fpm)	110	240	230	260	290	230	260	290
Red (Steady Burning)	110	240	35	50	65	35	50	65

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