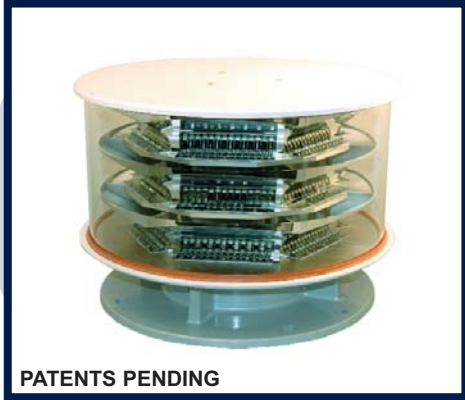


# Dialight

ALL LED BASED  
L864 / L865 TYPE  
DUAL RED / WHITE MEDIUM  
INTENSITY BEACON



PATENTS PENDING



Ordering Information: D1RW-C13-037

## D1RW SERIES SPECIFICATIONS

- ▲ 20,000 cd white day time mode, 2,000 cd red night time mode, default 2,000 cd white night time mode
- ▲ Universal 110/230 VAC 50/60Hz power factor corrected supply
  - White Day 100W
  - Red Night 35W
  - White Night 10W
- ▲ Operating Temperature : -40°C to +55°C
- ▲ Storage Temperature : -55°C to +55°C
- ▲ Flash Rate : 20 - 40 fpm (controller dependent)
- ▲ Synchronization : 2 unit sync from single controller (Operates with other manufacturers of GPS sync devices)
- ▲ Meets the U.S. Fish and Wildlife Services recommendation for proposed rule meeting the FCC standards (WT Docket No. 03-187, FCC 06-164) regarding the protection of migratory birds

Certified to:  
FAA AC No. 150/5345-43F

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

FEATURES	BENEFITS
Industry's Longest Warranty	- Complete performance 5 year warranty (Xenon technology only 2 years)
All LED Flash Head = 10+ Years Life Expectancy	- Significant reduction in expensive tower climbs and maintenance costs / unplanned site visits
No More Dangerous High Voltage Power Supplies Required	- Enables the use of low voltage flexible cable - Eliminates the need to send high voltage up a tower - Provides considerable safety advantages - Uses standard low voltage supply - Eliminates corrosion due to ozone effects
Smallest Flash Head in the Industry, 11.72" high x 17" ø	- Significantly less wind loading than Xenon dual strobes
Very Precise Optics (Patent Pending)	- Minimum ground scatter light - Community friendly lighting system
Designed to Withstand IEC61000-4-5, 6kV/3000A, 1.2/50µs, 8/20µs, 2 ohm Output Impedance, Combination Wave, Line-Line and Line-Ground	- Provides excellent protection against lightning and surges
Uses State-of-the-Art High Flux LED Technology	- Replaces high maintenance Xenon tubes - Resistant to shock and vibration (no fragile Xenon tubes)
No Power Supply Components in Flash Head	- Eliminates RF interference with cell networks associated with Xenon technology
IP66 / NEMA 4x Rated	- Completely sealed from the outside environment

### Dialight Europe Ltd.

Exning Road, Newmarket, England, CB8 0AX  
Tel: +44 (0) 1638 666541 • Fax: +44 (0) 1638 561735  
www.dialight-obstruction-lights.com



A Subsidiary of Dialight PLC



### Dialight Corporation

1501 Route 34 South • Farmingdale, NJ 07727 USA  
Tel: (1) 732-919-3119 • Fax: (1) 732-751-5778  
www.dialight.com



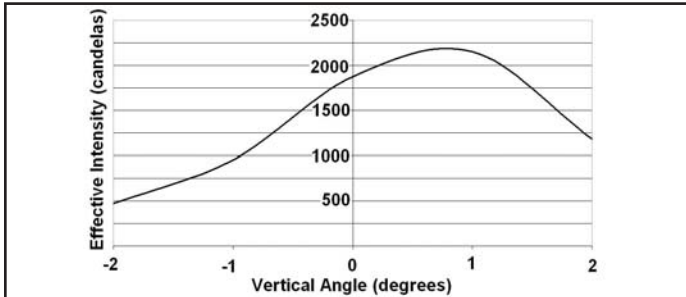
MDTFD1RWUS001\_A

# APPLICATION

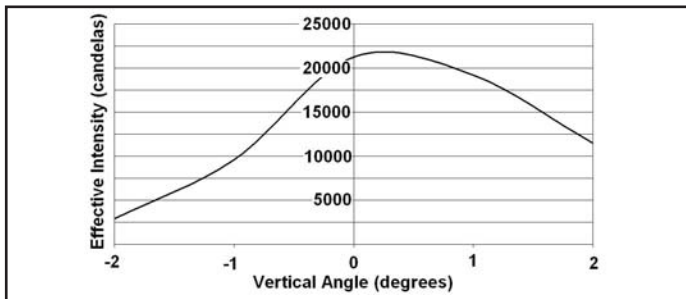
The all LED Dialight Medium Intensity White Strobe and Red Beacon is designed for the lighting of radio towers, wind generators and other obstructions to aerial navigation, as specified by the FAA and FCC. The Dual L864 / L865 uses LED technology for light output from both the Red Beacon and White Strobe. Unlike conventional Xenon flashtube technology, little or no maintenance is required during its lifetime. With voltages of less than 200VDC, working voltages are significantly less than with Xenon flashtube designs; therefore, this system represents an advance in safety. The Dialight Dual L864 / L865 LED beacon operates from a 110/230VAC 50/60 Hz supply. The power supply / control box can be located up to 550 ft away from the light engine, such as at the base of the tower.

## PHOTOMETRIC DATA

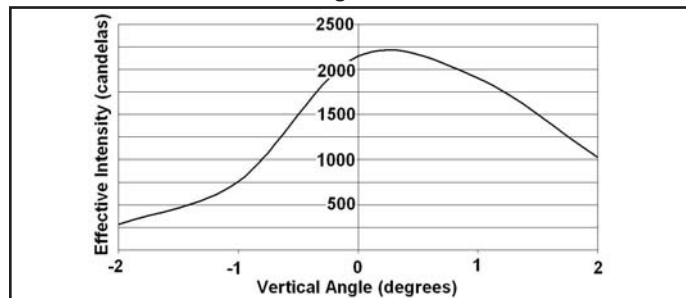
Red Night Time



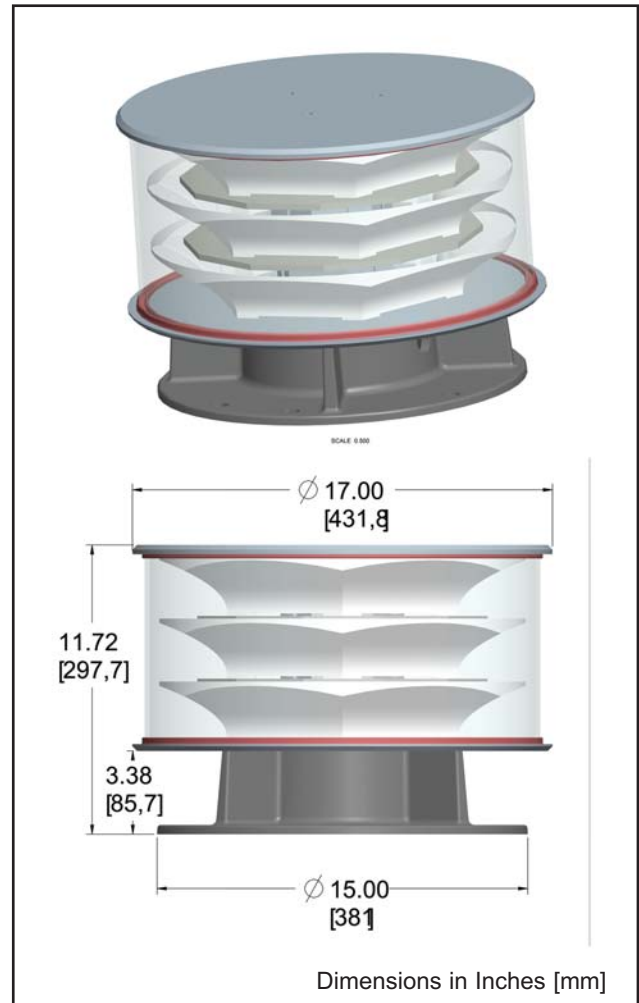
White Day Time



White Night Time



## MECHANICAL DIMENSIONS



## UNIT ELECTRICAL SPECIFICATIONS

	SUPPLY VOLTAGE (+/- 15%)	WATTS	POWER FACTOR
	Nom	Nom	
<b>White</b> (40 fpm)	110 / 230 VAC	100	> 0.9
<b>Red</b> (2,000 cd)	110 / 230 VAC	35	> 0.9

## WEIGHTS

Flash Head - Approx 45 Lbs

Certified with Unimar controller

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## MATERIALS / FINISH

Powder coat aluminum base  
 High temp UV resistant acrylic  
 SS hardware

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