Certified to:

FAA AC NO: 150/5345-43F
FAA Engineering Brief No. 67

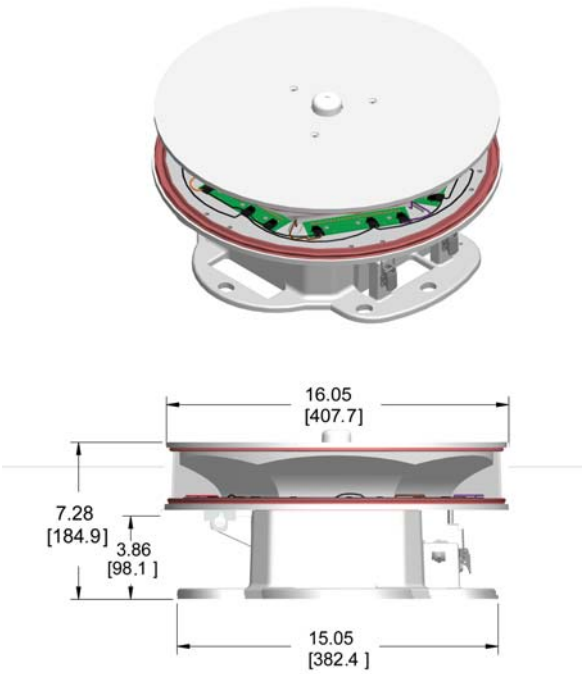
Compliant to:

ICAO Annex 14, 4th Edition, July 2004
ICAO Aerodromes Design Manual, Chapter 18
Canadian Aviation Regulation CAR 621.19
(Transport Canada)
DGAC Mexico

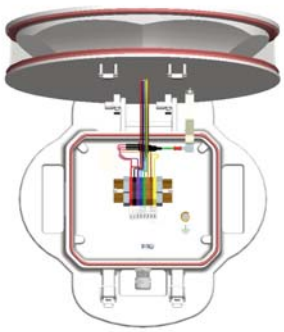
Qualified By:
Intertek ETL

US Patent #7,281,821
other patents pending

LED Based L-864/L-865 Flashing Dual (White/Red) Strobe



Dimensions in Inches [mm]



Flip top design for simple installation

Application:

The all LED Dialight Medium Intensity White Strobe and Red Beacon is designed for the lighting of communication towers, smoke stacks 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. Working voltages of less than 200VDC are significantly less than those of Xenon flashtube designs; therefore, this system represents an advance in safety. The Dialight Dual L864 / L865 LED beacon operates from a 48VDC 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.

Order code:

D1RW-C13-008	48VDC FAA OEM
D1RW-C13-008-EU	100-240VAC, European Version

Flashhead Weight: 26 lbs

Operating Voltage: Universal 100/240 VAC 50/60Hz
power factor corrected supply

Candela:

White Day	20,000 cd
White Night	2,000 cd
Red Night	2,000 cd

Wattage:

White Day	90W
White Night	35W
Red Night	25W

Power Factor: >0.9

Operating Temp: -40°F to +131°F (-40°C to +55°C)

Synchronization: Multiple unit sync from single controller
(Operates with other manufacturers of GPS sync devices)

LED Based L-864/L-865 Flashing Dual (White/Red) Strobe

FEATURES	BENEFITS
Industry's Longest Warranty	- **Complete performance 5 year warranty** (Xenon technology only 2 years)
All LED Flash Head = 10+ Years Life Expectancy	- **Long life and resistant to shock and vibration** Resistant to shock and vibration Reduction in expensive tower climbs and maintenance costs / unplanned site visits
No More Dangerous High Voltage Power Supply 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
Designed to Withstand IEC61000-4-5, 6kV/3000A, 1.2/50s, 8/20s, 2 ohm Output Impedance, Combination Wave, Line-Line and Line-Ground	- **Provides excellent protection against lightning and surges**
Smallest Flash Head in the Industry, 7.28" High	- **Significantly less wind loading than Xenon dual strobes**
Very Precise Optics (Patented)	- **Minimum ground scatter light** - Community friendly lighting system
Uses State-of-the-Art High Flux LED Technology	- **Replaces high maintenance Xenon tubes** - Resistant to shock and vibration (no fragile Xenon tubes)
LED's Produce No Radio Frequency Blast	- **Eliminates RF interference with cell networks associated with Xenon technology**
IP66	- **Completely sealed from the outside environment**
Lightest Flash Head in the Industry - 26lbs	-**Easy to Handle and Install**

2007

2008

2009

2010

Dialight reserves the right to make changes at any time in order to supply the best product possible.
The most current version of this document will always be available at:
http://www.dialight.com/Assets/Brochures_And_Catalogs/Signaling/MDTFD1RWCX001.pdf

MDTFD1RWCX001_A