

RTL Series LED Red Obstruction Light L-810

Crouse-Hinds
by **FAT•N**



FEATURES:

- Available as a single, dual or retro-fit unit
- Available in 120 - 277 VAC; and 12 - 48 VDC
- Grounding terminals provided
- Unique optical design (patent pending)
- Advanced high-flux LED technology
- Estimated service life 12-15 years
- Weather/corrosion resistant lamp assembly and housing
- Self-contained wiring compartment eliminates additional boxes
- Threaded 1" and 3/4" bottom hub for mounting
- Can be operated steady or flashed
- Uses 95% less energy than incandescent
- 5 year warranty
- Resistant to shock and vibration
- IP65 / IP66 / NEMA 4X

Meets:

FAA AC 150/5345-43H
FAA Engineering Brief No. 67
ICAO Annex 14, 4th Ed. July 2004
ICAO Aerodromes Design Manual, Ch.18
Canadian Aviation Regulation CAR 621.19
Nachrichten für Luftfahrer Teil I Langen, 6. January 2005
German Air Traffic Control Notices for Pilots Part I 6, January 2005

Qualified by:

Intertek ETL
Lighting Sciences Canada
DGAC Mexico

DESCRIPTION:

The RTL Series obstruction light utilizes a unique optical, electrical and mechanical design. The RTL Series is the most universal, compact and efficient obstruction light in the world. ETL Certified to the FAA requirements, the RTL Series fixture is also ICAO and Transport Canada compliant. Also available as a single fixture for direct replacement of incandescent lamp/lens technology.

OPERATION:

The RTL Series is designed to withstand the dynamic conditions experienced in the most severe environments around the world. It has been tested in temperatures ranging from -40° to +55° Celcius, direct sunlight, wind-blown rain, wind in excess of 150 mph, high humidity, salt and fog.

SPECIFICATIONS:

Supply voltage:

100 to 248 VAC, 50/60 Hz
277 VAC, 50/60 Hz

Power Factor:

>0.9 (all AC units)

Nominal Input Power:

6.5W (120 – 230 VAC FAA version)
8.6W (120 – 230 VAC Transport Canada version)
8.0W (277 VAC FAA version)
3.5W (12 – 48 VDC, FAA version)

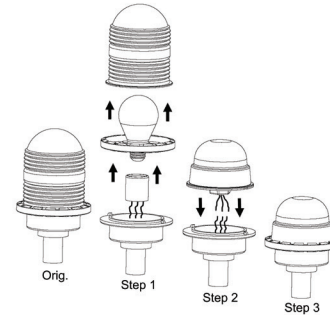
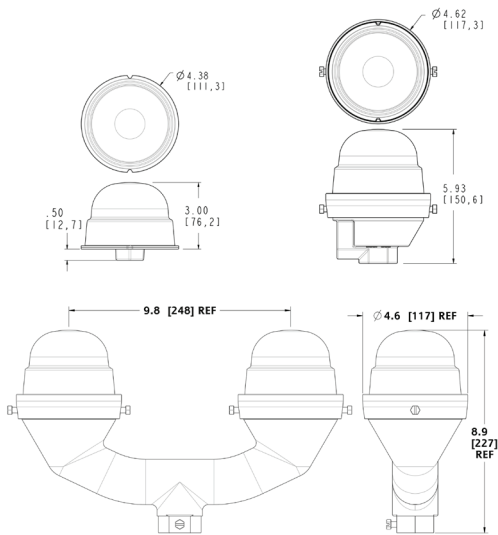
Operating/Storage Temp:

-40°C to +55°C (-40°F to +131°F)

ELECTRICAL SPECIFICATIONS:

MODEL	OPERATING VOLTAGE	VOLT-AMPS (NOMINAL)	INPUT POWER (NOMINAL)
FAA	100-230 VAC ± 10%	6.8 VA	6.5 W
Transport Canada	100-230 VAC ± 10%	9.0 VA	8.5 W
FAA	277 VAC +10% -30%	7.2 VA	8.0 W
FAA	12-48 VDC	--	3.5 W

MECHANICAL DIMENSIONS:



MATERIALS/FINISH:

- Cast Aluminum base and housing
- Aviation Red UV resistant polycarbonate dome

ORDERING INFORMATION:

AC FIXTURES:

PART NUMBER	VOLTAGE	MODEL
12004-RTO-1R07-001	120-240 VAC	Single
12004-RTO-1R07-002	120-240 VAC	Double
12004-RTO-1R06-001	277 VAC	Single
12004-RTO-1R06-002	277 VAC	Double

DC FIXTURES:

PART NUMBER	VOLTAGE	MODEL
12004-RTO-1R08-001	12-48 VDC	Single
12004-RTO-1R08-002	12-48 VDC	Double

WEIGHTS AND MEASUREMENTS:

MODEL	SHIPPING WEIGHT	CONTAINER DIMENSIONS
Single Unit	2.00 lbs	7.60" x 5.25" x 5.75" (193mm x 133mm x 146mm)
Dual Unit	4.60 lbs	18.6" x 12.5" x 6.40" (472mm x 318mm x 163mm)