

L-810 LED

RTO Series Red Obstruction Light



COMPLIANCES

FAA AC 150/5345-43F
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



PRODUCT APPLICATION

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

OPERATING CONDITIONS

The RTO 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 °C to +55 °C, direct sunlight, wind-blown rain, wind in excess of 150 MPH, high humidity, salt and fog.

MATERIALS / FINISH

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

AVIATION/OBSTRUCTION LIGHTS - 9.3

FEATURES

- Available as a single, dual or retro-fit unit.
- Available in 120 - 277VAC; and 12 - 48VDC.
- 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.
- Resistant to shock and vibration.
- IP65 / IP66 / NEMA 4X.

SPECIFICATIONS

Supply Voltage	100 to 248VAC, 50/60Hz 277VAC, 50/60Hz
Power Factor	>0.9 (all AC units)
Nominal Input	6.5W (120-230VAC FAA version) 8.6W (120-230VAC Transport Canada version) 8.0W (277VAC FAA version) 3.5W (12-48VDC, FAA version)
Operating / Storage Temp	-40 °C to +55 °C (-40 °F to +131 °F)

ORDERING INFORMATION

Single Fixtures - Red

Part Number	Cert	Voltage
12004-RTO-1R07-001	FAA	120-230VAC
12004-RTO-6R07-001	TC*	120-230VAC
12004-RTO-1R06-001	FAA	277VAC
12004-RTO-1R08-001	FAA	12-48VDC
12004-RTO-1R07-001-EU	Eur.**	120-230VAC

Dual Fixtures - Red

Part Number	Cert	Voltage
12004-RTO-1R07-002	FAA	120-230VAC
12004-RTO-6R07-002	TC*	120-230VAC
12004-RTO-1R06-002	FAA	277VAC
12004-RTO-1R08-002	FAA	12-48VDC
12004-RTO-1R07-002-EU	Eur.**	120-230VAC

Single Retro-Fit Fixtures - Red

Part Number	Cert	Voltage
12004-RTO-1R07-004	FAA	120-230VAC
12004-RTO-6R07-004	TC*	120-230VAC
12004-RTO-1R06-004	FAA	277VAC
12004-RTO-1R08-004	FAA	12-48VDC
12004-RTO-1R07-004-EU	Eur.**	120-230VAC

* TC = Transport Canada

** Eur. = European Version

Manufactured by Unimar Lighting & Control Solutions

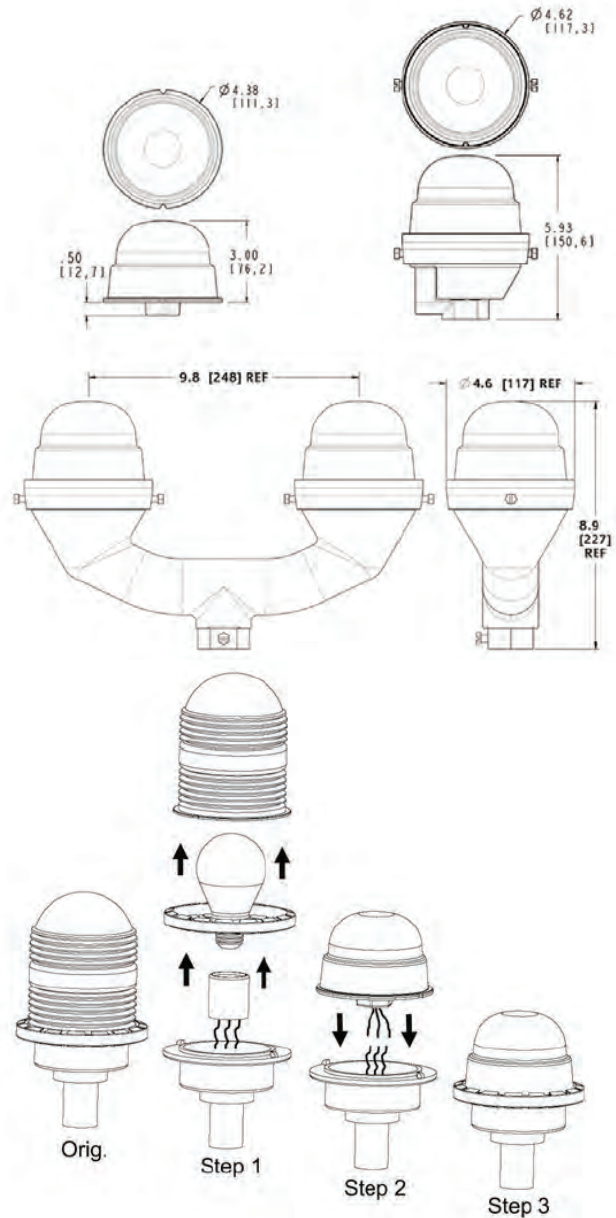
WEIGHTS & MEASUREMENTS

Model	Shipping Weight	Container Dimensions
Retro Unit	1.25 lb	7.60" x 5.25" x 5.75" (193mm x 133mm x 146mm)
Single Unit	2.00 lb	7.60" x 5.25" x 5.75" (193mm x 133mm x 146mm)
Dual Unit	4.60 lb	18.6" x 12.5" x 6.40" (472mm x 318mm x 163mm)

ELECTRICAL SPECIFICATIONS

Model	Operating Voltage	Volt-Amps (Nominal)	Input Power (Nominal)
FAA	100-230VAC ± 10%	6.8VA	6.5W
Transport Canada	100-230VAC ± 10%	9.0VA	8.5W
FAA	277VAC +10% -30%	7.2VA	8.0W
FAA	12-48VDC	--	3.5W

MECHANICAL DIMENSIONS



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