

LED OBSTRUCTION LIGHT

RTO Series



Certified to:
 FAA AC 150/5345-43F
 Canadian Aviation Regulation
 CAR 621.19 (Transport Canada)

Compliant to:
 ICAO Annex 14 July 2004
 Low Intensity Type A (10cd)
 Low Intensity Type B (32cd)
 DGAC Mexico



FEATURES/BENEFITS

- 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

APPLICATION

The RTO Series obstruction light utilizes a unique optical, electrical and mechanical design. The RTO Series is the most universal, compact and efficient obstruction light in the world. 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° to +55° Celcius, direct sunlight, wind-blown rain, wind in excess of 150 mph, high humidity, salt and fog.

SPECIFICATIONS

Supply Voltage:

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

Power Factor: >0.9

Nominal Input Power:

- 6.5W (120-230 VAC FAA version)
- 8.6W (120-240 VAC Transport Canada version)
- 8.0W (277 VAC FAA version)
- 3.5W (12-48 VDC, FAA version)

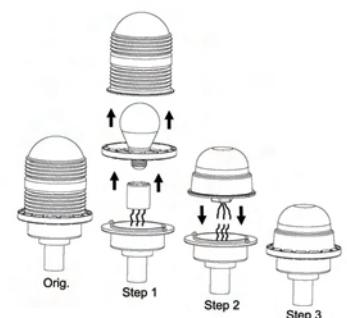
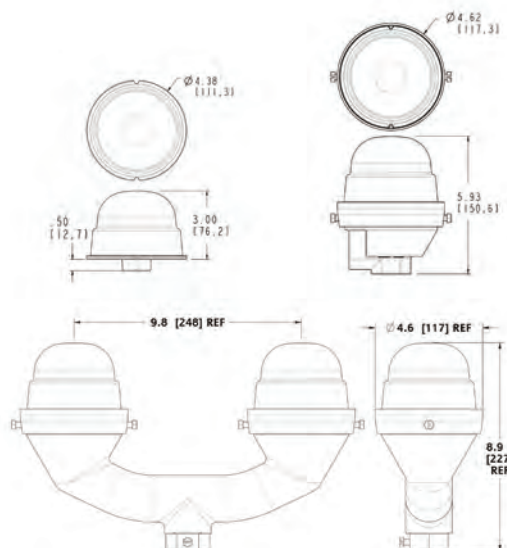
Operating / Storage Temperature:

- 40° C to +55° C

MATERIALS/FINISH

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

MECHANICAL DIMENSIONS



ORDERING INFORMATION

Part Number	Description	Voltage	Color	Cert.
RTO-1R07-001	Obstruction Fixture - Single	120-240 VAC	Red	FAA
RTO-1R07-002	Obstruction Fixture - Double	120-240 VAC	Red	FAA
RTO-1R07-004	Retro-fit Obstruction Fixture - Single	120-240 VAC	Red	FAA
RTO-6R07-001	Obstruction Fixture - Single	120-240 VAC	Red	Transport Canada
RTO-6R07-002	Obstruction Fixture - Double	120-240 VAC	Red	Transport Canada
RTO-6R07-004	Retro-fit Obstruction Fixture - Single	120-240 VAC	Red	Transport Canada
RTO-1R06-001	Obstruction Fixture - Single	277 VAC	Red	FAA
RTO-1R06-002	Obstruction Fixture - Double	277 VAC	Red	FAA
RTO-1R06-004	Retro-fit Obstruction Fixture - Single	277 VAC	Red	FAA
RTO-1R08-001	Obstruction Fixture - Single	12-48 VDC	Red	FAA
RTO-1R08-002	Obstruction Fixture - Double	12-48 VDC	Red	FAA
RTO-1R08-004	Retro-fit Obstruction Fixture - Single	12-48 VDC	Red	FAA

ELECTRICAL SPECIFICATIONS

Model	Operating Voltage	Volt-Amps (Nominal)	Input Power (Nominal)
FAA	100-240 VAC ± 10%	6.8 VA	6.5 W
Transport Canada	100-240 VAC ± 10%	9.0 VA	8.6 W
FAA	277 VAC +10% -30%	7.2 VA	6.8 W
FAA	12-48 VDC	--	3.3 W

WEIGHTS & MEASUREMENTS

Model	Shipping Weight	Container Dimensions
Retro Unit	1.25 lbs	7.60" x 5.25" x 5.75"
Single Unit	2.00 lbs	7.60" x 5.25" x 5.75"
Dual Unit	4.60 lbs	18.6" x 12.5" x 6.40"