

OBSTRUCTION & BEACONS

RTO

LED RTO Series Red Obstruction Light, L-810(L)



Compliance with Standards

- FAA:** L-810(L) AC 150/5345-43H and the FAA Engineering Brief No. 67. ETL Certified.
- ICAO:** Annex 14, 4th Ed. July 2004, Aerodromes Design Manual, Ch.18.
- T/C:** Canadian Standard 621.19, Tables 13-3 and 13-4; 621 figures 13-2
Nachrichten für Luftfahrer Teil I Langen, 6. January 2005
German Air Traffic Control Notices for Pilots Part I 6, January 2005

Uses

FAA L-810(L), ICAO, T/C

Steady-burning red light fixture marking all fixed obstructions to eliminate air navigational hazards.

Features

- Available as a single or dual unit
- Available in 120-240 VAC, 277 VAC and 24-48 VDC
- >0.9 Power Factor (all AC units)
- Grounding terminals provided
- Unique optical design
- 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 ¾" bottom hub for mounting
- Can be operated steady or flashed. Flashed requires additional equipment
- Uses 95% less energy than incandescent
- Resistant to shock and vibration
- IP65 / IP66 / NEMA 4X
- Cast aluminum base and housing
- Aviation Red UV-resistant polycarbonate dome
- Manufactured by Dialight Corporation

Operating Conditions

Temperature: -40 °F to +131 °F / -40 °C to +55 °C
Humidity: 0 to 100%
Wind speeds: Up to 150 mph / 240 kph

Ordering Code: Single Fixtures - Red

Part Number	Voltage	Certification
RTO-1R07-001	120- 240 VAC	FAA
RTO-6R07-001	120- 240 VAC	TC*
RTO-1R06-001	277 VAC	FAA
RTO-1R08-001	12-48 VDC	FAA
RTO-1R07-001-EU	120-230 VAC	Eur.**

Ordering Code: Dual Fixtures - Red

Part Number	Voltage	Certification
RTO-1R07-002	120- 240 VAC	FAA
RTO-6R07-002	120- 240 VAC	TC*
RTO-1R06-002	277 VAC	FAA
RTO-1R08-002	12-48 VDC	FAA
RTO-1R07-002-EU	120-230 VAC	Eur.**

Notes

* TC = Transport Canada

** Eur. = European Version

Electrical Specifications

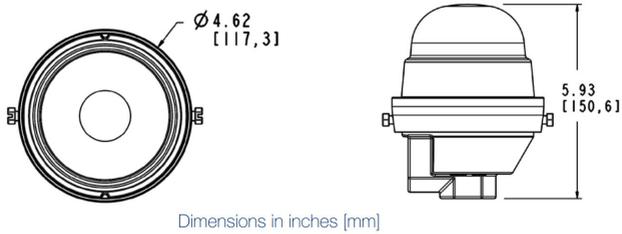
Model	Operating Voltage	Volt-Amps (Nominal)	Input Power (Nominal)
FAA	120- 240 VAC ± 10%	6.8 VA	6.5 W
Transport Canada	120- 240 VAC ± 10%	9.0 VA	8.5 W
FAA	277 VAC +10% -30%	8.4 VA	8.0 W
FAA	12-48 VDC	3.3 VA	3 W

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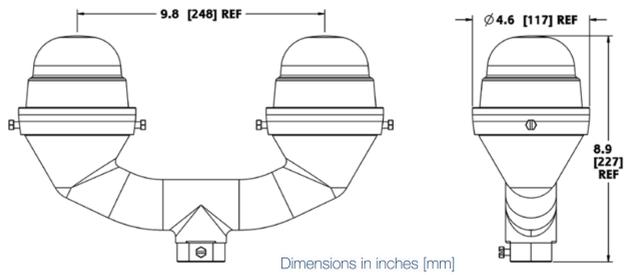
RTO

Mechanical Dimensions

Single Fixture



Dual Fixture



Weights and Measurements

Model	Shipping Wt	Container Dimensions
Single Unit	2.00 lb (0.91 kg)	7.60 in x 5.25 in x 5.75 in (193 mm x 133 mm x 146 mm)
Double Unit	4.60 lb (2.09 kg)	18.6 in x 12.5 in x 6.40 in (472 mm x 318 mm x 163 mm)