

RELIANCE

Obstruction Light

Omnidirectional elevated



Compliance with Standards

FAA: L-810(L) AC 150/5345-43 (Current Edition) and the FAA Engineering Briefs No. 67 and No. 98. ETL Certified.

ICAO: Annex 14, Vol. 1, para. 6.3, Type A & B

T/C: Canadian Standard 621, Tables 13-3 and 13-4; Canadian Standard 621 Figures 13-2

Uses

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

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

Features

- Optional IR output is compatible with Night Vision Goggles. See FAA Engineering Brief No. 98 for additional information.
- Average individual LED life of 100,000 hours.
- Very low power rating for LED lights contributes to a lower life cycle cost.
- OBSL-L with arctic option uses a thermostatically controlled heater to prevent ice and snow buildup from obscuring light output. Melts ice similar to traditional incandescent fixtures.
- Offers longer intervals between maintenance, resulting in lower life cycle costs.
- Direct replacement for existing incandescent fixture.
- All parts are corrosion-resistant.
- Mounting Hub - Standard bottom port ready to receive a 1-inch to 11.5 TPI NPT.
- Gasket seal between lens cap and fixture base prevents moisture penetration.
- Rugged surge protection - Designed to comply with lightning protection requirements per Category C1 of ANSI/IEEE C62.41-1991.
- Fixture uses aluminum casting and stainless steel hardware and is protected with aviation yellow powder coat finish.
- Separate earth ground wire, connected to body, provided on all fixtures.

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

OBSL - X X X X X X X X

Specification

- 1 = Obstruction Light Red, FAA
- 2 = Obstruction Light Red, ICAO, Type A & B, Canada³

Mounting

- 1 = Single, bottom mount 1"-11.5 NPT

Power

- 1 = 95-277 VAC, ±10%, 50/60 Hz¹
- 2 = 24-48 VDC
- 3 = 12 VDC

Control

- 0 = No control

Alarm

- 0 = No alarm contact

Photocell

- 0 = No photocell

IR

- 0 = Without IR
- 1 = IR and visible light output

Arctic Option

- 0 = Without arctic option
- 1 = With arctic option²

Flashing

- 0 = No flash
- 1 = Flashing (30 flashes per minute)³

Notes

¹ Fixture (without heater) is designed to operate from 95 VAC (min.) to 277 VAC (max.), 50/60 Hz.

² When powered by a parallel circuit, heater is designed for use at only 120 VAC, ±10%, 50/60 Hz.

³ Not ETL Certified.

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Electrical Supply

Single OBSL-L with heater	VA Load
120 VAC: 120 VAC with IR:	24.21 VA 27.2 VA
Single OBSL-L without heater	VA Load
95-277 VAC 95-277 VAC with IR:	9.21 VA 12.2 VA
12 VDC: 12 VDC with IR:	6.47 VA 9.51 VA
24 VDC: 24 VDC with IR:	6.44 VA 9.49 VA
48 VDC: 48 VDC with IR:	6.63 VA 9.59 VA

Packaging

Single OSBL-L	
Actual fixture	3.69 in diameter x 10.8 in height / 9.37 cm diameter x 27.43 cm height
In cardboard box	6.5 x 6.5 x 20.5 in / 16.5 x 16.5 x 52 cm
Fixture weight	1.95 lb / 0.88 kg
Net weight	2.4 lb / 1.09 kg

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Product specifications may be subject to change, and specifications listed here are not binding. Confirm current specifications at time of order.