

OBSTRUCTION & BEACONS

SBOL-L

LED Steady Burning Obstruction Light



Single L-810(L)

Dual L-810(L)

Compliance with Standards

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

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

Uses

FAA L-810(L) & ICAO

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

Features

- Average individual LED life of 100,000 hours
- Very low power rating for LED lights contributes to a lower life cycle cost
- SBOL with arctic option (U.S. Patent 7192155 B2) uses a thermostatically controlled heater to prevent ice and snow buildup from obscuring light output. Melts ice similar to traditional incandescent fixtures.
- Thermostatically controlled heater cycles on and off when temperature drops below freezing, reducing overall energy consumption
- 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. The locking ring is protected with aviation red powder coat.
- Separate earth ground wire, connected to body, provided on all fixtures

Ordering Code

Color

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

Mounting

- 1 = Single, bottom mount 1"-11.5 NPT
- 2 = Single, side mount 1 inch-11.5 inch NPT
- 3 = Dual, bottom mount 1 inch-11.5 inch NPT
- 5 = Dual, side mount 1 inch-11.5 inch NPT
- 7 = Single, 1-inch EMT column mount

Power

- 2 = 95-264 VAC, 50/60 Hz¹

Arctic Option

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

Notes

- Contact the Sales Department if a DC-powered obstruction light is needed.
- ¹ Fixture (without heater) is designed to operate from 95 VAC (min.) to 264 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.

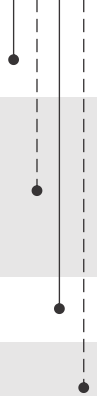
Operating Conditions

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

Electrical Supply

Single, with heater: 120 VAC, 22 W (29 VA)
Single, without heater: 95-264 VAC, 7 W (14 VA)

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Energy Cost Savings

SBOL fixture results in a significant reduction in energy costs.

Electrical Variant	LED Fixture Load	Incandescent/Tungsten Halogen Load	Energy Savings
95-264 VAC	14 VA	116 VA, 120 VAC	8 times

Packaging

Single

Actual fixture	3.69 in diameter × 10.8 in height (9.37 cm dia. × 27.43 cm height)
Fixture weight	1.95 lb (0.88 kg)
In cardboard box	6.5 × 6.5 × 20.5 in (16.5 × 16.5 × 52 cm)
Net weight	2.4 lb (1.09 kg)

Dual

Actual fixture	3.69 in diameter per fixture × 14.4 in overall width (9.37 cm dia. per fixture × 36.58 cm overall width)
In cardboard box	13 × 15 × 25 in (33 × 38.1 × 63.5 cm)
Net weight	7.9 lb (3.6 kg)