

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. ETL Certified.
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.
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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 & B³

Mounting

1 = Single, bottom mount 1 inch-11.5 inch 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 mount³

Power

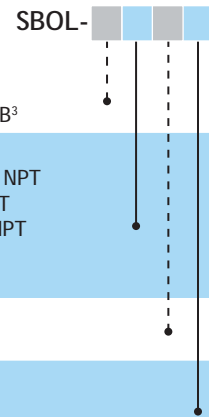
2 = 95-264 VAC, 50/60 Hz¹

Arctic Option

0 = Without arctic option
1 = With arctic option^{2,3}

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.
- ³ Not ETL Certified.



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)

Energy Cost Savings

SBOL fixture results in a significant reduction in energy costs.

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

Packaging

Single	
Actual fixture	3.69 in diameter x 10.8 in height (9.37 cm dia. x 27.43 cm height)
Fixture weight	1.95 lb (0.88 kg)
In cardboard box	6.5 x 6.5 x 20.5 in (16.5 x 16.5 x 52 cm)
Net weight	2.4 lb (1.09 kg)
Dual	
Actual fixture	3.69 in diameter per fixture x 14.4 in overall width (9.37 cm dia. per fixture x 36.58 cm overall width)
In cardboard box	13 x 15 x 25 in (33 x 38.1 x 63.5 cm)
Net weight	7.9 lb (3.6 kg)

Spare Components

Description	Part No.
Glassware, clear, ICAO	63A1081
Glassware, red, FAA	63A1054-2
Lens attaching ring, red	60A2975-1
SBOL glassware assembly, clear, ICAO	44A6334-2
SBOL glassware assembly, red, FAA	44A6334-1
Seal, side emitting lens	63A1048
Thread locking ring, red	62A2155-1

Note

- See manual 96A0328 for LED assembly and PCB assembly spare part information.

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

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