



## HORIZON™ L-810 LED

### Low Intensity LED System

FAA Type: L-810(F) Low Intensity Lighting

ICAO Type: Type A or B Low Intensity Obstacle Light

**ETL Certified:**

FAA Advisory Circular 150/5345-43

**Compliant to:**

ICAO Annex 14; MIL-C-7989

DGAC of Mexico; CAR 621

CASA MOS139



**Application:**

The HORIZON L-810 Obstruction Light provides an LED based solution for the FAA Type L-810 steady burn lights. The HORIZON L-810 is currently available in both single and double configurations operating at a range of 95-277 VAC and also in a range of 9-48VDC. Both configurations are available as original equipment or as a direct replacement to the existing socket/lamp/lens of both H&P OB20 Series and other manufacturer's L-810 obstruction lights.



**Features:**

- LED based obstruction light last over 15 times longer than an incandescent lamp
- Approximately 95% less power than 116 Watt standard obstruction light
- 4 Watt Power Consumption (AC Version), 3.4 Watt Power Consumption (DC Version)
- Weather resistant lamp assembly and housing
- Self-contained wiring compartment on double units eliminates additional boxes
- Operates as a steady burn or flashing light (Avian Compliant)
- Resistant to shock and vibration
- Direct replacement for existing incandescent fixtures
- 5 Year Warranty





# HUGHEY & PHILLIPS

## Photometrics:

Beam Spread: 360° Horizontal, 3° Minimum Vertical  
 Single Fixture Effective Intensity: ≥32 Candela

## Mechanical Specifications:

Base Material: Cast Aluminum with aviation red powder coat  
 Lens: Heat resistant glass  
 Single: 8" x 5.5" x 5.5" (H x W x L), 2 lbs.  
 Double: 8" x 5.5" x 11.5" (H x W X L), 6 lbs.

## Environmental Specifications:

Temperature: ±55° C  
 Humidity: 95% Relative

## Ordering Matrix:

Part Number	Description
45-1000-001	L-810 LED 95-277VAC, Single, Bottom Hub, 3/4"
45-1001-001	L-810 LED 95-277VAC, Single, Bottom Hub, 1"
45-1002-001	L-810 LED 95-277VAC, Single, Side Hub, 3/4"
45-1003-001	L-810 LED 95-277VAC, Single, Side Hub, 1"
45-1004-001	L-810 LED 95-277VAC, Double, Bottom Hub, 3/4"
45-1005-001	L-810 LED 95-277VAC, Double, Bottom Hub, 1"
45-1006-001	L-810 LED 95-277VAC, Double, Side Hub, 3/4"
45-1007-001	L-810 LED 95-277VAC, Double, Side Hub, 1"
45-1008-001	L-810 LED 9-48 VDC, Single, Bottom Hub, 3/4"
45-1009-001	L-810 LED 9-48 VDC, Single, Bottom Hub, 1"
45-1010-001	L-810 LED 9-48 VDC, Single, Side Hub, 3/4"
45-1011-001	L-810 LED 9-48 VDC, Single, Side Hub, 1"
45-1012-001	L-810 LED 9-48 VDC, Double, Bottom Hub, 3/4"
45-1013-001	L-810 LED 9-48 VDC, Double, Bottom Hub, 1"
45-1014-001	L-810 LED 9-48 VDC, Double, Side Hub, 3/4"
45-1015-001	L-810 LED 9-48 VDC, Double, Side Hub, 1"
Spare Parts	Description
45-0001-001	L-810 LED Light Engine, 95-277VAC
45-0002-001	L-810 LED Light Engine, 9-48VDC
A6A0008AG	Neoprene Gasket
B6A0008AA	Lens Holder w/ 7" Chain

