



Meets:

FAA AC NO: 150/5345-43F
 FAA Engineering Brief No. 67
 ICAO (Annex 14 - Fourth Edition, July 2004)
 ICAO Aerodromes Design Manual, Chapter 18
 Canadian Aviation Regulation CAR 621.19
 Nachrichten für Luftfahrer Teil I Langen, 6. January 2005
 German Air Traffic Control Notices for Pilots Part I 6, January 2005

Qualified By:

Intertek ETL
 Lighting Sciences Canada

Features

- Available as a single or dual unit
- Available in 12 VDC, 24 VDC, 48 VDC, 120 VAC & 220 VAC (50 or 60 Hz)
- Earth grounding provisions provided
- Unique optically designed lens to enhance LED operation and provide 360° visibility
- State-of-the-art 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 3/4" bottom hub for mounting
- Can be operated steady or flashed (*controller not supplied*)
- 5 year warranty
- Resistant to shock and vibration
- IP65 / IP66 / NEMA 4X rated

Application

The 860 Series is the FAA type L-810 red LED obstruction light. Designed for steady burning, this fixture is used to mark any obstacle that may present hazards to aircraft navigation. The U.S. patent office has issued patent number 6,425,678 B1 for this series.

Operating Conditions

Temperature: -67° F to +131° F
 (-55° C to +55° C)

Materials/Finish

- Cast Aluminum housing
- Stainless steel hardware

Ordering Information

Single Units

Part Number	Cert	Volts
860-1R01-001	FAA	120 VAC
860-6R01-001	TC	120 VAC
860-1R02-001	--	220 VAC
860-1R03-001	FAA	12 VDC
860-3R03-001 (Low wattage)	--	12 VDC
860-1R05-001	FAA	24 VDC
860-6R05-001	TC	24 VDC
860-1R04-001	FAA	48 VDC
860-5R02-001	ICAO	220 VAC (10cd)
860-1R02-001-EU	Eur. Ver.	220 VAC
860-4R02-001-EU	Eur. Ver.	220 VAC (50 cd)

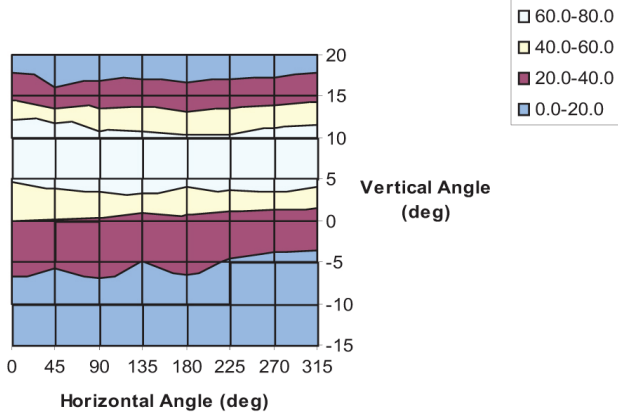
Dual Units

Part Number	Cert	Volts
860-1R01-002	FAA	120 VAC
860-6R01-002	TC	120 VAC
860-1R02-002	--	220 VAC
860-1R03-002	FAA	12 VDC
860-3R03-002 (Low wattage)	--	12 VDC
860-1R05-002	FAA	24 VDC
860-6R05-002	TC	24 VDC
860-1R04-002	FAA	48 VDC
860-7R02-002	CASA	220 VAC (100cd)
860-1R02-002-EU	Eur. Ver.	220 VAC
860-4R02-002-EU	Eur. Ver.	220 VAC (50 cd)

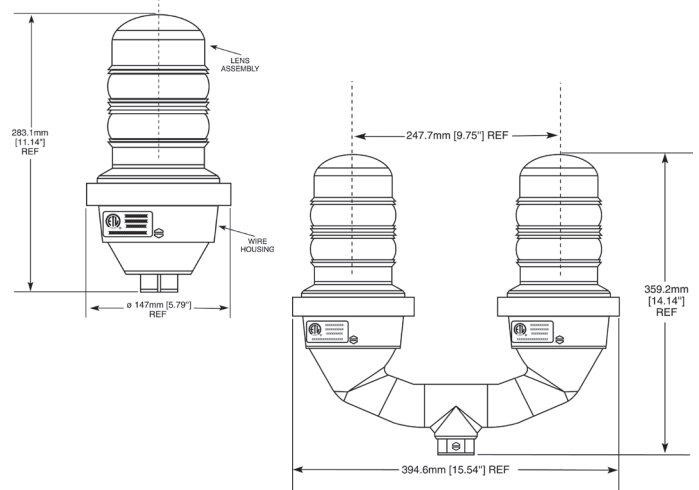


Photometric Data

L810 Isotropic Intensity Chart



Mechanical Dimensions



Dimensions in inches (mm)

Electrical Specifications

	PF	VA	Operating Voltage			Watts (W)			Amps
			Min	Typ	Max	Min	Typ	Max	
120 VAC Units	.3	46.5	92	120	132	10	15	18	0.120
240 VAC Units (60Hz)	.17	72	198	240	264	11	15	18	0.120
240 VAC Units (50Hz)	--	--	198	240	264	12	14	17	--
12 VDC Units (Standard)	--	--	10	12	14	20	25	29	2.000
24 VDC Units	--	--	21	24	27	17	22	29	0.920
48 VDC Units	--	--	43	48	53	11	14	16	0.275

Weights and Measurements

Model	Shipping Weight	Container Dimensions
Single Unit	7.1 lbs	16" x 9" x 8" (406mm x 229mm x 203mm)
Dual Unit	16.1 lbs	22" x 17" x 9" (559mm x 432mm x 229mm)