

# L-810 LED

## 860 Series Red Obstruction Light

### AVIATION/OBSTRUCTION LIGHTS - 9.2



### FEATURES

- Available as a single or dual unit.
- Available in 12VDC, 24VDC, 48VDC, 120VAC & 220VAC (50 or 60Hz).
- 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).
- Resistant to shock and vibration.
- IP65 / IP66 / NEMA 4X rated.

### COMPLIANCES

FAA AC 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



### ORDERING INFORMATION

#### Single Units

Part Number	Cert	Volts
12004-860-1R01-001	FAA	120VAC
12004-860-6R01-001	TC	120VAC
12004-860-1R02-001	--	220VAC
12004-860-1R03-001	FAA	12VDC
12004-860-3R03-001 (Low wattage)	--	12VDC
12004-860-1R05-001	FAA	24VDC
12004-860-6R05-001	TC	24VDC
12004-860-1R04-001	FAA	48VDC
12004-860-5R02-001	ICAO	220VAC (10cd)
12004-860-1R02-001-EU	Eur. Ver.	220VAC
12004-860-4R02-001-EU	Eur. Ver.	220VAC (50 cd)

### PRODUCT 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

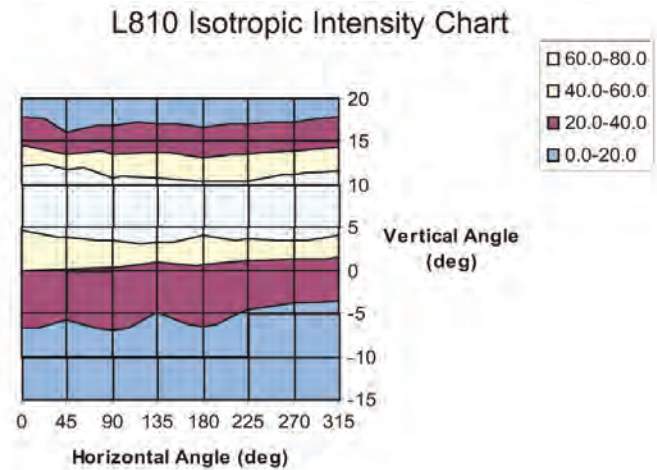
## ORDERING INFORMATION, continued

### Dual Units

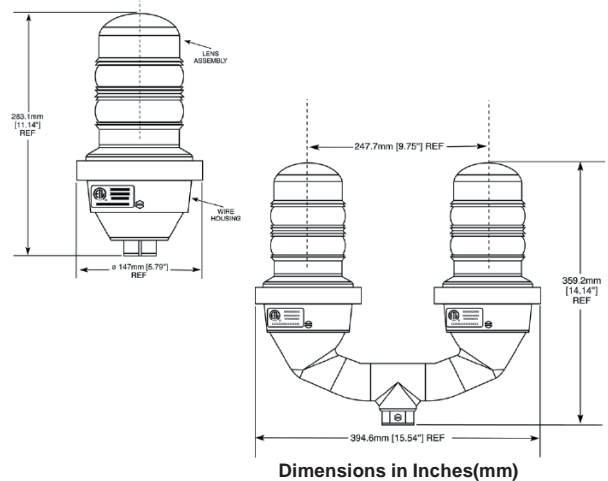
Part Number	Cert	Volts
12004-860-1R01-002	FAA	120VAC
12004-860-6R01-002	TC	120VAC
12004-860-1R02-002	--	220VAC
12004-860-1R03-002	FAA	12VDC
12004-860-3R03-002 (Low wattage)	--	12VDC
12004-860-1R05-002	FAA	24VDC
12004-860-6R05-002	TC	24VDC
12004-860-1R04-002	FAA	48VDC
12004-860-7R02-002	CASA	220VAC (100 cd)
12004-860-1R02-002-EU	Eur. Ver.	220VAC
12004-860-4R02-002-EU	Eur. Ver.	220VAC (50 cd)

Manufactured by Unimar Lighting & Control Solutions

## PHOTOMETRIC DATA



## MECHANICAL DIMENSIONS



## WEIGHTS & MEASUREMENTS

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

## ELECTRICAL SPECIFICATIONS

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

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