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GENESIS LAMP

375 North St. Clair St.
 Painesville, OH 44077

L-804 LED

Runway Guard Light



COMPLIANCES

L-804(L)
 FAA AC 150/5345-46 (current edition)
 FAA Engineering Brief 67D



ETL Certified

Meets the additional requirements of FAA AC 150/5340-30 (current edition).

Meets "Buy American" requirements.

ICAO: Annex 14, Vol. I, Para 5.3.23 & Appendix 2, Fig. A2-25

PRODUCT APPLICATION

The L-804 LED Runway Guard Light (RGL) is a yellow unidirectional elevated fixture that alternately flashes to warn pilots that they are approaching a runway hold area and are about to enter an active runway. The RGL is typically installed in pairs with one on either side of the taxiway holding area.

FEATURES

- Fewer LEDs used than other ETL-certified RGLs on the market.
- Less required maintenance compared to non-LED RGLs.
- Significantly reduces load on the CCR compared to non-LED RGLs.
- Complies with intensity requirements for 3-step and 5-step circuits.
- Easy to install and maintain.
- Adjustable light beam: 0° to 20° vertically; ±20° horizontally.
- Alternating flash rate of 40-50 flashes per minute.
- Corrosion-resistant.
- ICAO yellow and FAA yellow available.
- Includes frangible coupling and tether.
- 300 MPH jet blast resistant.

ELEVATED LIGHTS - 1.5

ORDERING INFORMATION

L-804 LED Order Number:

L804 L X X X 0

Type:

L804 = L-804 RGL
 L = LED

Color:

1 = FAA yellow
 2 = ICAO yellow

Power:

1 = Current-driven, 60Hz
 2 = Current-driven, 50Hz
 3 = Voltage-driven, 120 VAC, 50/60Hz
 4 = Voltage-driven, 240 VAC, 50/60Hz

Monitoring:

1 = No monitoring
 2 = With monitoring

ACCESSORIES

Description	Part Number
L-867 Base Can	AC2124-2Q2-00301
L-823 Primary Connector Kit (8 AWG, .320"/.430")	11174-01
L-823 Complete Kit (8 AWG, .320"/.430")	11805-01
Heat Shrink Tubing Kit	A2-20-0089-001
L-867B Base Plate, Heavy Duty	AP1832

WEIGHT AND DIMENSIONS

Weight:	~ 40lbs including bottom support plate and frangible coupling
Dimensions:	
Height	24 inches including bottom support plate and frangible coupling
Width	28 inches
Depth	5.5 inches without visors 13 inches with visors

TRANSFORMER REQUIREMENTS

Description	Series Circuit	Fixture Load	Required Transformer	Part Number
Constant Current	6.6A, 60Hz	56.4VA	L-830-3 (65W)	11682
	6.6A, 50Hz	56.4VA	L-831-3 (65W)	11712
	20A/6.6A, 60Hz	56.4VA	L-830-5 (100W)	11684
	20A/6.6A, 50Hz	56.4VA	L-831-5 (100W)	11714
Voltage	120 VAC 50/60Hz	42.5VA	NA	NA
	240 VAC 50/60Hz	50.0VA	NA	NA

RENEWAL PARTS

Description

Light Engine Replacement Kit (includes light engine assembly, wire extraction tool, insulator, gaskets and screws)

Current-driven PWA Replacement Kit (includes PWA, wire extraction tool, and gasket)

Voltage-driven PWA Replacement Kit (includes PWA, wire extraction tool, and gasket)

Lens Replacement Kit (includes clear lens, gasket and screws)

Photocell Replacement Kit (for voltage-driven)

Visors and Front Plate Kit (includes two visors, front plate and screws)

Tether, Steel

Quick Release Locking Pin, w/Lanyard

Frangible Coupling

L-823 Power Cables:

Non-Monitoring Version

- Voltage-Driven

Installed Inside Fixture 10518-101-001

Installed Inside Can (Style 8, 12") 10875-05-012

- Current-Driven

Installed Inside Fixture (48") 10518-101-048

Monitoring Version (Voltage- and Current-driven)

- Installed Inside Fixture

L-823 Cable Assembly, 5-Pin A2-17-0027-002

- Installed Inside Can

L-823 Female 5-Pin Adapter A2-17-0028-001

Part Number

K1-02-0011-001

K1-02-0012-001

K1-02-0031-001

K1-02-0013-001

K1-02-0048-001

K1-02-0014-001

A1-05-0593-001

A1-05-0571-001

A1-17-1097-001

EXPLODED VIEW

