

SIEMENS

L-862 & L-862E Elevated Runway Edge/Threshold End Light

Compliance with Standards

FAA: L-862 AC 150/5345-46 (Current Edition)
ETL Certified

ICAO: Annex 14, Vol. 1, para. 5.3.9 to 5.3.11

Uses

L-862

- Runway edge
- Precision IFR runways

L-862E

- Runway threshold/end
- Precision IFR runways

L-862 quartz high-intensity elevated light fixtures are used to delineate the edges of precision instrument runways.

Features

- Top casting holds the outer globe, which is indexed to the fixture and held in place by a continuous clamping band. Two prismatic inner lens segments are mounted inside on the socket mounting plate.
- Light fixture is designed to withstand jet blast
- Lamp Life: Rated at 500 hours at 6.6A
- Four screws allow a 4° leveling adjustment of the fixture after installation
- Fixture uses aluminum castings, stainless steel hardware, and is protected with aviation yellow gloss enamel paint



L-862E Ordering Code 44A2071-X1XX

Lamp

4 = 200W/6.6A Quartz (ETL Certified)

Inner Lens Color

1 = Clear

Fixture Height

- 1 = 14 in (35.6 cm)
- 2 = 24 in (61.0 cm)
- 3 = 30 in (76.2 cm)
- 4 = 14 in (35.66 cm) with two-inch column²
- 5 = 24 in (61.0 cm) with two-inch column²
- 6 = 30 in (76.2 cm) with two-inch column²

Outer Lens

- 4 = Red/Green Right Hand (ETL Certified)
- 5 = Red/Green Left Hand (ETL Certified)
- 6 = Red/Red (ETL Certified)
- 7 = Green/Obscured Right Hand (ETL Certified)
- 8 = Green/Obscured Left Hand (ETL Certified)
- 9 = Red/Obscured Right Hand (ETL Certified)
- 0 = Red/Obscured Left Hand (ETL Certified)

L-862 Ordering Code

44A2071-XXXX

Lamp

- 0 = None
- 1 = 120W/6.6A Quartz (ETL Certified)
- 2 = 150W/6.6A Quartz¹

Inner Lens Color

- 0 = None
- 1 = White (ETL Certified)
- 2 = White/Yellow (ETL Certified)⁴
- 3 = Red³
- 4 = Yellow³
- 5 = Green³
- 7 = Red/Yellow³
- 8 = Yellow/Green⁴
- A = White/Red (ETL Certified)⁴

Fixture Height

- 1 = 14 in (35.6 cm)
- 2 = 24 in (61.0 cm)
- 3 = 30 in (76.2 cm)
- 4 = 14 in (35.66 cm) with two-inch column²
- 5 = 24 in (61.0 cm) with two-inch column²
- 6 = 30 in (76.2 cm) with two-inch column²

Outer Lens

- 1 = Non-Obscured
- 2 = Obscured - Left Hand
- 3 = Obscured - Right Hand

Notes

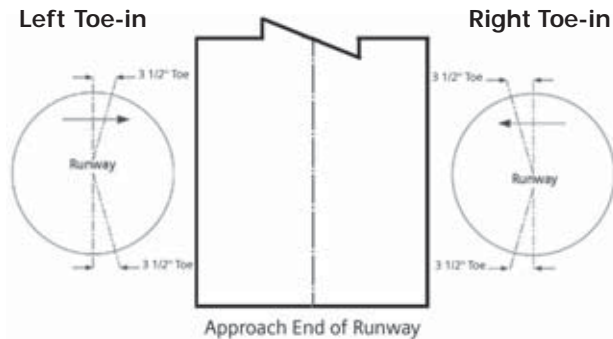
- See Ordering Code for ETL Certification
- ¹ Wattage not submitted for certification, but exceeds specifications for photometric requirements
- ² Contact the Siemens Airfield Solutions Sales Department for additional details on this application
- ³ Color and/or color configuration not recognized by the FAA
- ⁴ When ordering fixtures with two different inner lens colors, indicate the number of fixtures to be toed left and the number to be toed right. Unless specified, order will be filled with half right toed and half left toed fixtures.

Operating Conditions

Temperature: -40°F to +131°F (-40°C to +55°C)

Wind: Withstands wind velocities up to 350 mph (560 kph)

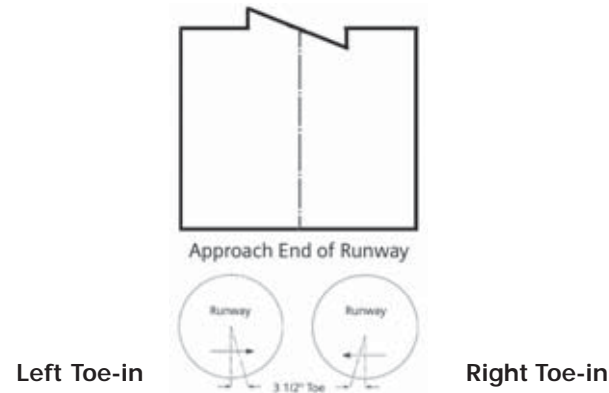
Installation of L-862 to Runway Centerline



Notes

- L-862 is toed on two sides
- Position the fixtures on either side of the runway so that the arrow embossed on the top of the outer glassware points to the runway centerline
- Fixtures can also be supplied with one side obscured
- Unless otherwise specified, bicolored fixtures will be provided with half of the number ordered for right side of runway and the other half for the left side. For odd quantities please specify colored lens side as right or left as viewed from runway centerline.

Installation of L-862E to Runway Centerline



Notes

- L-862E is toed on one side only
- Position the fixtures on either side of the runway so that the arrow embossed on the top of the outer glassware points to the runway centerline

Spare Components

Description	Part No.
Column 1", 7.25" (18.42 cm) for 14" OAH	62A0007-7
Column 1", 17.25" (43.82 cm) for 24" OAH	62A0007-17
Column 1", 23.25" (59.06 cm) for 30" OAH	62A0007-23
Column 2", 7.25" (18.42 cm) for 14" OAH ²	44A0907-3
Column 2", 17.25" (43.82 cm) for 24" OAH ²	44A0907-4
Column 2", 23.25" (59.06 cm) for 30" OAH ²	44A0907-5
Filter clip	60C2041
Frangible coupling, 1.5 inch	62B0073
Frangible coupling, 1.5 inch, with slot ⁵	62B0461
Frangible coupling, 2 inch	62B0605
Clamp band assembly	44A2060
Gasket	63A0640
Head assembly	44A2066-X
Lamp, 120W/6.6A (ETL Certified)	48A0069
Lamp, 150W/6.6A ¹	48A0044
Lamp, 200W/6.6A (ETL Certified)	48A0145
Lamp socket	49A0032
Lens, inner - 180° segment, white ⁴	63B0415-1
Lens, inner - 180° segment, yellow ⁴	63B0415-2
Lens, inner - 180° segment, red ⁴	63B0415-3
Lens, inner - 180° segment, green ⁴	63B0415-4
Lens, inner - 180° segment, obscured ³	63B0415-6
Lens, inner bracket	61A0146
Lens, inner retainer	61B0147
Lens, inner spring clip	65A0163
Outer lens, clear bidirectional (L-862) ⁴	63B0416
Outer lens, red-green, left hand (L-862E) ⁴	63A0602
Outer lens, red-green, right hand (L-862E) ⁴	63A0601
Socket mounting plate assembly	44A2089
Wire grommet	63A0042-4

¹ Wattage not submitted for certification, but exceeds specifications for photometric requirements

² Contact the Siemens Airfield Solutions Sales Department for additional details on this application

³ Color and/or color configuration not recognized by the FAA

⁴ See Ordering Code for ETL Certification

⁵ Slot across threaded end allows easy replacement of broken frangible coupling

Packaging

Assembled Fixtures*	Dimensions of Cartons		Indiv. Weight
	Individual	9 Per Box	
14-inch OAH	6.5 x 6.5 x 20.5 in 17 x 17 x 52 cm	19.5 x 19.5 x 20.5 in 50 x 50 x 52 cm	5 lb 2.3 kg
24-inch OAH	6.5 x 6.5 x 31 in 17 x 17 x 79 cm	19.5 x 19.5 x 31 in 50 x 50 x 79 cm	6.25 lb 2.8 kg
30-inch OAH	6.5 x 6.5 x 37 in 17 x 17 x 94 cm	19.5 x 19.5 x 37 in 50 x 50 x 94 cm	7 lb 3.2 kg

* If the two-inch coupling is used instead of the one-and-half-inch coupling, the couplings are packed separately and not pre-assembled on the fixture. Box size depends on quantity.

The information contained in this document is subject to change without notice. Siemens reserves the right to make changes and improvements to its products and assumes no responsibility for making these modifications on any equipment previously sold.