

SIEMENS

L-861, L-861E, & L-861T Elevated Runway/Taxiway Edge Light

1011 Rev. F

Compliance with Standards

FAA: L-861, L-861E, & L-861T AC 150/5345-46
(Current Edition) ETL Certified

ICAO: Annex 14, Vol. 1, para. 5.316

Uses

L-861

- Runway edge
- Non-precision IFR runways

L-861E

- Runway threshold/end
- Non-precision IFR runways

L-861T

- Taxiway edge

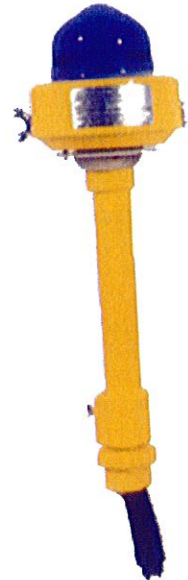
The L-861 quartz medium-intensity elevated light fixtures are used to delineate the edges of airport runways (L-861), taxiways (L-861T), and threshold/end (L-861E).

Features

- Unique patented design permits rapid lamp changes (U.S. Patent 4,521,836)
- Easy elevation and azimuth positioning
- Integral snow flag holder
- Unique low-profile design reduces damage due to jet blast
- Designed for mounting on a 30-inch galvanized steel stake or on a base plate for a 12- or 16-inch L-867 base
- Heat- and shatter-resistant glass lens
- Easy maintenance, no special tools required
- Multiple lamp wattages available
- Lamp life: rated at 1,000 hours at 45W/6.6A
- Standard overall fixture height is 14 inches. Additional column lengths are available for mounting heights of 24 and 30 inches for use in regions with heavy snowfall
- Weather-resistant to rain, snow, ice, and standing water

Operating Conditions

- Temperature: -67°F to +131°F (-55°C to +55°C)
- Wind: Withstands wind velocities up to 350 mph (560 kph)



Elevated Lighting

Finish

- Aluminum castings
- Light fixture is protected with aviation yellow enamel paint
- Stainless steel hardware

Installation

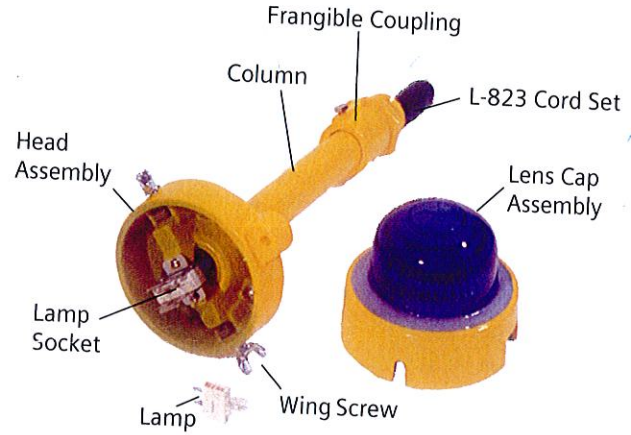
The L-861 and L-861T light fixtures are used in conjunction with either a 30-inch metal stake or with a base plate for a 12- or 16-inch L-867 base. Base mounting is the preferred method of installation from a maintenance standpoint and provides added protection for equipment.

Photometric Data

Color	FAA Avg. Intensity (cd)	Peak Intensity (cd)	Performance	
			Average Intensity (cd)	Beam Spread
L-861 - 45W				
White	125	331	210	2 to 10°-V
Yellow	67			10° to 15°-V
L-861T - 45W				
Blue	2	10.1	N/A	0 to 6°-V

V = Vertical

Inside View



Spare Components

Description	Part No.
Ball	62A0527
Clamp	62B0472
Column 8.6" (21.9 cm) for 14" OAH	62A0007-9
Column, 18.6" (47.3 cm) for 24" OAH	62A0007-19
Column, 24.6" (62.48 cm) for 30" OAH	62A0007-25
Cord set	44A1701
Frangible coupling	62B0073
Frangible reducer coupling 2"-1"	61A0281
Head assembly with cord set for 14" OAH	44C1774-1
Head assembly with cord set for 24" OAH	44C1774-2
Head assembly with cord set for 30" OAH	44C1774-3
Lamp, 45W/6.6A (ETL Certified)	48A0083
Lamp, 30W/6.6A (ETL Certified)	48A0085
Lamp socket	49A0063
Lamp base	62C0532
Lens cap assembly, L-861T, blue	44A1773-1
Lens cap assembly, L-861, clear	44A1773-2
Lens cap assembly, L-861, clear/yellow	44A1773-3
Lens cap assembly, L-861E ³ , red/green	44A1773-4
Lens cap assembly, L-861E ³ , red	44A1773-5
Lens cap assembly, L-861E, green/obscure	44A1773-6
Lens cap assembly, L-861E, green/yellow ³	44A1773-7
Lens cap assembly, L-861, red/yellow	44A1773-8
Lens cap assembly, L-861T, blue/obscure	44A1773-9
Lens cap assembly, L-861, yellow	44A1773-0
Lens cap assembly, L-861E, green	44A1773-A
Lens cap assembly, L-861, clear/red	44A1773-C
Lens cap without lens	62C0531
Lens, L-861T, blue	63B0378-1
Lens, L-861, clear	63B0378-2
Lens, L-861, clear/yellow	63B0378-3
Lens, L-861E ³ , red/green	63B0378-4
Lens, L-861E ³ , red	63B0378-5
Lens, L-861E, green/obscure	63B0378-6
Lens, L-861, yellow	63B0378-7
Lens, L-861E, green	63B0378-8
Lens, L-861T, blue/obscure	63B0378-9
Lens, L-861, clear/red	63B0378-11
Lens sealant	67A0006-3

Ordering Code

44C1752-XXX

Lamp

- 1 = 30W/6.6A Quartz (ETL Certified)
2 = 45W/6.6A Quartz (ETL Certified)

Lens Cap Color

- 1 = Blue (L-861T)²
2 = Clear (L-861)¹
3 = Clear/Yellow (L-861)²
4 = Red/Green (L-861E)^{2,3}
5 = Red/Yellow (L-861)^{2,4}
6 = Green/Obscure (L-861E)^{2,3}
7 = Green/Yellow^{2,4}
8 = Red (L-861E)^{2,3}
9 = Blue/Obscure (L-861T)²
0 = Yellow (L-861)²
A = Green (L-861E)^{2,3}
B = Clear/Red (L-861)¹

Fixture Height

- 1 = 14 in (35.6 cm)
2 = 24 in (61.0 cm)
3 = 30 in (76.2 cm)

Contact the Siemens Airfield Solutions Sales Department for optional color configurations.

Notes

- ¹ 30W and 45W
² 45W only
³ Not submitted for ETL Certification
⁴ Color not recognized by FAA

Packaging

Assembled Fixtures	Dimensions of Cartons		Indiv. Weight
	Individual	9 Per Box	
14-inch OAH	6.5 x 6.5 x 20.5 in	19.5 x 19.5 x 20.5 in	5 lb
	16.5 x 16.5 x 52 cm	49.5 x 49.5 x 52 cm	2.27 kg
24-inch OAH	6.5 x 6.5 x 31 in	19.5 x 19.5 x 31 in	6.25 lb
	16.5 x 16.5 x 79 cm	49.5 x 49.5 x 79 cm	2.84 kg
30-inch OAH	6.5 x 6.5 x 37 in	19.5 x 19.5 x 37 in	7 lb
	16.5 x 16.5 x 94 cm	49.5 x 49.5 x 94 cm	3.18 kg

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.