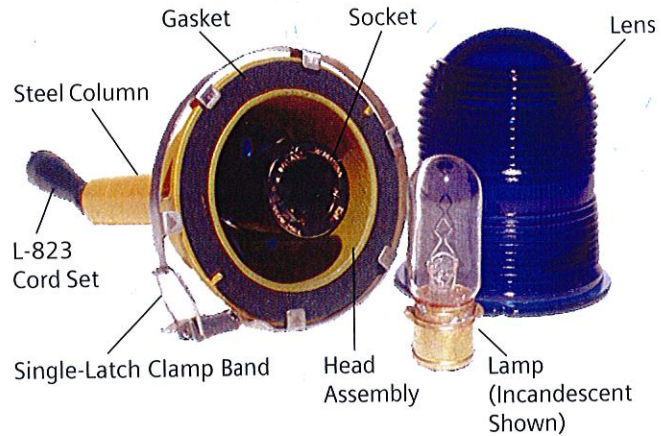


Photometric Data

Color	FAA Avg. Intensity (cd)	Peak Intensity (cd)	Performance					
			Average Intensity (cd)	Beam Spread				
Omnidirectional								
L-861 Quartz - 30W								
Yellow	67	107	95	2 to 10°-V				
L-861 - 45W								
White	125	321	273	2 to 10°-V				
L-861 - 45W								
Yellow	67	182	172	2 to 10°-V				
L-861 Quartz - 45W								
White	125	354	290	2 to 10°-V				
L-861 Quartz - 45W								
Yellow	67	201	171	2 to 10°-V				
L-861T - 30W								
Blue	2.0 (min.)	7.1	N/A	0 to 6°-V				
L-861T Incand. - 45W								
Blue	2.0 (min.)	10.5	N/A	0 to 6°-V				
L-861T Quartz - 30W								
Blue	2.0 (min.)	6.9	N/A	0 to 6°-V				
L-861T Quartz - 45W								
Blue	2.0 (min.)	12.2	N/A	0 to 6°-V				
Bidirectional								
L-861E - 45W								
Red	10	578-H 222-V	663	5 to 5°-H 0 to 10°-V				
L-861E - 45W								
Green	300	415-H	374	-1.5 to 1.5°-H				
		414-V		3.5 to 5.5°-V				
		180		396-H 360-V	-3 to 3°-H 1.5 to 7.5°-V			
90	362-H 331-V	328	328	5 to 5°-H 0 to 7°-V				
				L-861E Quartz - 45W				
				Red	10	757-H 718-V	697	5 to 5°-H 0 to 7°-V
L-861E Quartz - 45W								
Green	300	445-H	423	1.5°-H				
		445-V		3.5 to 5.5°-V				
		180		428-H 373-V	-3 to 3°-H 1.5 to 7.5°-V			
90	389-H 361-V	328	328	-5 to 5°-H 0 to 7°-V				

V = Vertical H = Horizontal

Inside View



Spare Components

Description	Part No.
Column (steel) 6" (15.24 cm) for 14" OAH	62A0007-6
Column, (steel) 16" (40.64 cm) for 24" OAH	62A0007-16
Column, (steel) 22" (55.88 cm) for 30" OAH	62A0007-22
Frangible coupling	62B0073
Frangible reducer coupling 2"-1"	61A0281
Gasket	63B0015
Head assembly with phenolic socket	44B1079-1X
Head assembly with quartz socket	44B1484-1X
Lamp, prefocus, 30W/6.6A (ETL Certified)	48A0006
Lamp, prefocus, 45W/6.6A (ETL Certified)	48A0007
Lamp, quartz, 30W/6.6A (ETL Certified)	48A0085
Lamp, quartz, 45W/6.6A (ETL Certified)	48A0083
Lamp socket, phenolic for incandescent	49A0002
Lamp socket, quartz	49A0032
Lamp base	62C0005
Lamp bracket (quartz lamp socket)	60C1169
Lens, white (FAA L-861)	63A0141
Lens, white/yellow (FAA L-861)	63A0142
Lens, white/red (FAA L-861)	63A0144
Lens, white/green (FAA L-861) ¹	63A0146
Lens, blue (FAA L-861T)	63A0151
Lens, red/green (FAA L-861E)	63A0148
Lens, red (FAA L-861E)	63A0149
Lens, green (FAA L-861E))	63A0150
Lens, yellow ¹	63A0143
Lens, yellow/red ¹	63A0156
Lens, red/blue (FAA L-861E)	63A0157
Lens clamp assembly	44B0023

¹Color and/or color configuration not recognized by the FAA

Compliance with Standards

FAA: L-861, L-861E, & L-861T AC 150/5345-46
(Current Edition) ETL Certified
ICAO: Annex 14, Vol. 1, para. 5.3.16

Uses

- L-861**
 - Runway edge
 - Non-precision IFR runways
- L-861E**
 - Runway threshold/end
 - Non-precision IFR runways
 - Declared distance
- L-861T**
 - Taxiway edge

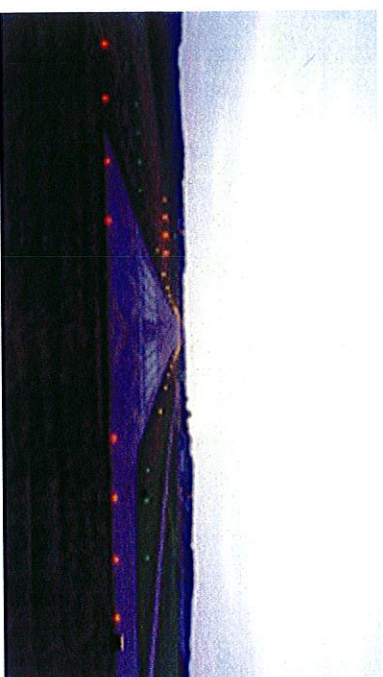
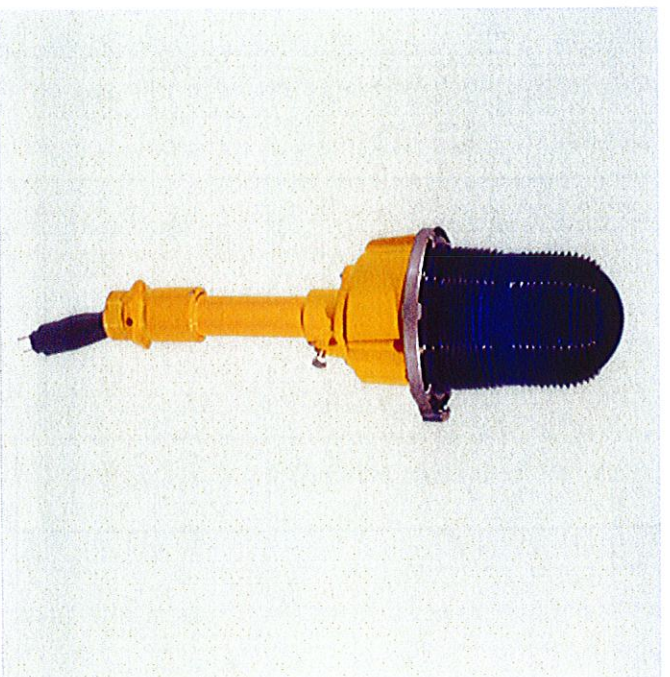
The L-861 quartz/incandescent medium-intensity elevated light fixtures are used to delineate the edges of airport runways (L-861), taxiways (L-861T), and the threshold end (L-861E).

Features

- Easy maintenance, no special tools required
- Multiple lamp wattages and types (6.6A quartz or 6.6A incandescent) available
- Single-latch, stainless steel clamping band allows easy removal of lens for lamp changes
- Lamp life: rated at 1,000 hours
- Fixtures mount either 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
- A gasket is used between the lens and the head assembly to form a tight seal
- Four screws allow a 4° leveling adjustment of the fixture after installation
- 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)



Installation

Series 6.6A fixtures are normally installed on a 30-inch steel stake or an L-867 base. Base mounting is the preferred method of installation from a maintenance standpoint and provides added protection for equipment.

Finish

- Aluminum head assembly
- Light fixture is protected with aviation yellow enamel paint
- Stainless steel hardware provides added protection for equipment

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

Ordering Code

44C1081-XXXX

Lamp

- 1 = 30W/6.6A Incandescent (ETL Certified)
- 2 = 45W/6.6A Incandescent²
- 5 = 30W/6.6A Quartz (ETL Certified)
- 6 = 45W/6.6A Quartz (ETL Certified)
- 7 = No Lamp, Incandescent Socket
- 8 = No Lamp, Quartz Socket

Lens Color

- 0 = Non-standard Lens (must specify when ordering)¹
- 1 = Omnidirectional Clear (FAA L-861)^{3,4}
- 2 = Bidirectional Clear/Yellow (FAA L-861)^{3,4}
- 3 = Bidirectional Clear/Red (FAA L-861)^{3,4}
- 4 = Bidirectional Clear/Green (FAA L-861)¹
- 5 = Omnidirectional Blue (FAA L-861T)^{3,4}
- 6 = Bidirectional Red/Green (FAA L-861E)^{3,4}
- 7 = Omnidirectional Red (FAA L-861E)^{3,4}
- 8 = Omnidirectional Green (FAA L-861E)^{1,3,4}
- 9 = Omnidirectional Yellow
- B = Unidirectional Green/Obscure

Fixture Height

- 1 = 14 in (35.6 cm)
- 2 = 24 in (61.0 cm)
- 3 = 30 in (76.2 cm)
- 4 = 20 in (50.8 cm)

Notes

Contact the Siemens Airfield Solutions Sales Department for optional color configurations or for non-prefocus, screw-base lamp style fixtures, 44C1082-XXXX.^{1,2}

- ¹ Color and/or color configuration not recognized by the FAA
- ² Wattage not submitted for certification for all fixtures
- ³ 30W Incandescent
- ⁴ 30W and 45W Quartz

Elevated Lighting

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.

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