



Flight Light Inc.  
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## Medium Intensity Elevated Lights MIEL FAA L-861, L-861T, L-861E

### Compliance

FAA AC 150/5345-46E:  
ETL Certified L-861, L-861E, L-861T  
ICAO Annex 14, Vol. 1

Flight Light L-861 elevated lights are used on runways, taxiways and runway thresholds/ends. Each fixture is constructed from a die cast aluminum body, powder coated in aviation yellow. L-861s are available with either quartz halogen lamps (rated for 1,000 hours) or T10 lamps (rated for 2,000 hours) in both 30 and 45 watt power options. A glass Fresnel type lens is secured with a replaceable O-ring and a stainless steel clamp band. The clamp band provides easy access for effortless lamp servicing. A rugged cord is included with rubberized L-823 style connector to connect to the secondary of a 6.6A isolation transformer.

The L-861 includes a 1.5" (standard) or 2.0" frangible coupling to attach the fixture to a L-867 style base plate or mounting stake. Standard mounting heights are 14, 24 and 30 inches. The fixture head is secured to the riser using three bolts to allow for leveling if necessary.

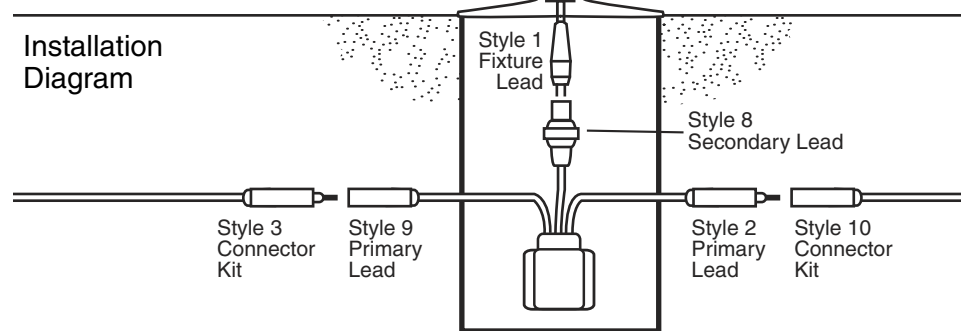
### Applications

The Flight Light L-861 is certified for use as an L-861, L-861E and L-861T.

- **L-861:** clear or split clear/yellow globe, can be used to mark the runway edge, including non-precision IFR runways. 45Q lamp (#33), (#818), 45 lamp (#634).
- **L-861E:** split green/red globe (blanks available), can be used to mark the runway threshold or end, including non-precision IFR runways. 45Q lamp (#33), (#818), 45 lamp (#634).
- **L-861T:** blue globe, can be used to mark the taxiway edge. 30Q (#31), (#817) and 45Q lamps (#33), (#818), 45 lamp (#634).
- Others globe colors available for miscellaneous applications.



### Installation Diagram



### Ordering Code

Fixture Type	FAA Number	Globe Color	Lamp & Power	Mounting Height	Fixture Options
FL	861	B: Blue	30: 30W, T10, 6.6A (not FAA Approved)	14: 14" (standard)	1: 1.5" Frangible Coupling (FL-FC1.5)
		C: Clear	45: 45W, T10, 6.6A	24: 24" (extended)	2: 2" Frangible Coupling (FL-FC2.0)
		GR: Green/Red	30Q: 30W, Halogen, 6.6A	30: 30" (extended)	
		CY: Clear/Yellow	45Q: 45W, Halogen, 6.6A		

Shipping Weight: 3.2 lb./1.5 kilo., volume: 0.5 cu. feet/0.01 cu. meters.  
Sample Ordering Code: FL-861-B-45-14

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Fig.	P/N	Description
1	13-A6.5-14	5-1/2" riser for 14" fixture
2	13-A16.5-24	15-1/2" riser for 24" fixture
3	13-A22.5-30	21-1/2" riser for 30" fixture
4	61-80001*	Clamp band - stainless steel
5	61-80002	O-ring seal
6	FL-FC1.5	Frangible metal coupling, 1.5"
7	FL-FC2.0	Frangible metal coupling, 2.0"
8	13-861T-XX**	Head assembly w/T10 socket & cord set
9	13-861Q-XX**	Head assembly w/quartz socket & cord set
10	TRC10518-0131	L-823 style cord set connector for 14" to 30" fixture
11	61-80000	Socket, quartz with bracket
11A	LA-6112LL	30W, 6.6A, quartz EXL lamp
11A	LA-6134LL	45W, 6.6A, quartz EXM lamp
12	61-80005	Socket, T10, prefocus - for T10 lamp
12A	LA-7669H***	30W, 6.6A T10 lamp
12A	LA-7654H	45W, 6.6A T10 lamp
13	61-861 (color)	Globe: Indicate B: Blue, C: Clear, Y: Yellow, GR: Green/Red, CY: Clear/Yellow

### Globe Colors



- \* Clamp band only compatible with Flight Light fixtures.  
\*\* Does not include parts shown in figures 4 and 5. XX = Height (14", 24" or 30")  
\*\*\* Not FAA Approved.

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