



Elevated Runway Light



ERL

Compliances: FAA AC 150/5345-46: L-861 Series
ICAO Annex 14
UFC 3-535-01
USN NAVAIR 51-50AAA-2
NASA Guidelines

Applications

The ERL Model 5 is used as a medium intensity runway edge light, taxiway edge light, medium intensity threshold light, and heliport perimeter light for both constant current and voltage circuits.

Features



- ETL Certified (As listed in Table 1 only)
- Clamp band for globe
- Single piece die-cast aluminum body
- Adjustable height
- Frangible coupling for stake, baseplate, or junction box mounting
- Prismatic globe
- Full range of standard aviation color globes
- Constant current or voltage operation available
- Prefocused quartz halogen or incandescent lamps available
- Available with 1.5 inch or 2 inch frangible coupling

Ordering Information

How to Order: A complete assembly will consist of separate order items for the ERL fixture, stake or baseplate with base or junction box with cover, isolation transformer, and L-823 connector kit.

Taxiway edge lights are typically blue (-B); threshold/end lights are typically green/red (-GR); heliport lights are typically yellow (-Y).

Example: 40938-CY-45-24 is a 24 inch high fixture with a clear/yellow globe and 45 watt quartz bi-pin lamp.



Fixture Type:

- 38 = Quartz/Bi-Pin
- 39 = Incandescent/Medium Prefocus
- 43 = Incandescent/Medium Screw (E27)

Color:

- C = Clear
- B = Blue
- G = Green
- R = Red
- Y = Yellow
- X = Opaque/Blank

Lamp Wattage:

- 30 = 30 watt lamp
- 40 = 40 watt lamp
- 45 = 45 watt lamp
- 69 = 69 watt lamp
- 100 = 100 watt lamp
- 116 = 116 watt lamp

Height in Inches:

14 = Standard height 14 inches
Available in 2 inch increments to 30 inches.

Options:

MC2 = Metal Frangible Coupling 2 Inch

Table 1

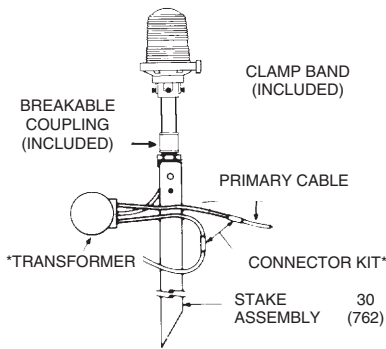
Type	Part Number	Color	Lamp Wattage	Lamp Type	Lamp P/N
L-861	40938	Clear	45W/6.6A	Tungsten-Halogen / Bi-Pin	40732
	40938	Clear/Yellow	45W/6.6A	Tungsten-Halogen / Bi-Pin	40732
	40939	Clear	45W/6.6A	Incandescent	10047-1497
	40939	Clear/Yellow	45W/6.6A	Incandescent	10047-1497
L-861E	40938	Green/Red	30W/6.6A	Tungsten-Halogen / Bi-Pin	40737
	40938	Green/Red	45W/6.6A	Tungsten-Halogen / Bi-Pin	40732
	40939	Green/Red	45W/6.6A	Incandescent	10047-1497
L-861T	40938	Blue	30W/6.6A	Tungsten-Halogen / Bi-Pin	40737
	40938	Blue	45W/6.6A	Tungsten-Halogen / Bi-Pin	40732
	40939	Blue	30W/6.6A	Incandescent	10047-1493

Other Lamps Available

Lamp/Socket	Lamp Rating	Lamp Style	Lamp P/N
40939	40W/120VAC	Incandescent	10047-608
40943	40W/120VAC	Incandescent	10047-1636
40943	69W/120VAC	Incandescent	10047-1558
40943	116W/120VAC	Incandescent	10047-1577
40943	100W/240VAC	Incandescent	10047-2145
40938	45W/6.6A	Tungsten-Halogen/Pk 30d	10047-2137
40938	100W/6.6A	Tungsten-Halogen/Pk 30d	10047-2138
40939	45W/6.6A	Incandescent	10047-1497

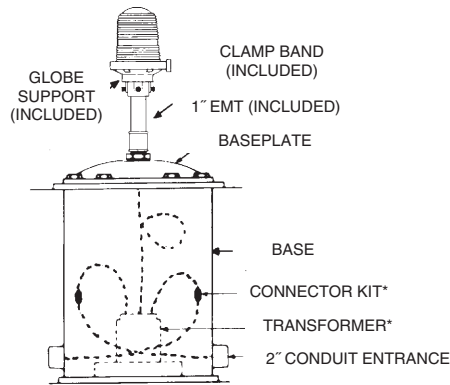
Installation Drawings

Stake Mounted ERL



* Constant Current Only

Base Mounted ERL



Note: All ERL 6.6A versions include a lead with L-823 plug. All ERL 120v versions have wire leads without connectors.

Dimensions:	inches (mm)
Instruction Sheets:	8627 (40938) 8628 (40939) 8803 (40943)
Shipping Weight:	3.0 lbs. 1.4 kg.
Shipping Volume:	0.1 cu.ft. .003 cu.m.
Photometric Data:	Contact Field Services

Accessories

Catalog Number	Description	Shipping Weight		Shipping Volume	
		lb.	kg.	cu.ft.	cu.m.
AP1932	Baseplate, 2" Hub, Painted Steel	8	3.6	.14	.004
AP1935	Baseplate, 1.5" Hub, Painted Steel	8	3.6	.14	.004
AC21242H200301	Base L-867, class I, 24" deep	52	23.6	2.6	.074
AW2202	Stake Assembly, 2" HUB	8	3.6	.2	.006
AW2205	Stake Assembly, 1.5" HUB	8	3.6	.2	.006
AW7609/AW7805	Junction Box & Cover	12	5.4	.2	.006
33001	Transformer L-830-1, 6.6/6.6A	8	3.6	.2	.006
33002	Transformer L-830-2, 20/6.6A	8	3.6	.2	.006
823KP-D4-D4	Connector Kit L-823, 8 AWG, .32" to .43" O.D.				

Renewal Parts

Part Number	Description	Part Number	Description
40878-2P	1" EMT Extension (14" Standard)	50035-1*	Globe Support Assembly 19" leads (40939)
40878-7P	1" EMT Extension (24")	50035-2*	Globe Support Assembly 29" leads (40939)
40878-10P	1" EMT Extension (30")	10H27-013D20	Set Screw-Socket
50107	Clamp Band	40937	Socket Mounting Bracket (40938)
ML5411	Clear Globe – Glass	40749	Socket (40938)
ML331	Blue Globe – Glass	KL6168	Socket (40939)
ML2075	Red Globe – Glass	10047-1559	Socket (40943)
FL6477	Yellow Globe – Glass	40918	Lead Assembly 14" (40938)
ML5412	Clear/Yellow Globe – Glass	40918-7	Lead Assembly 24" or 30" (40938)
ML5571	Clear/Red Globe – Glass	FL3621	Lead Assembly 14" (40939 & 40943)
ML5413	Green/Red Globe – Glass	FL1012A	Lead Assembly 24" and 30" (40939 & 40943)
50034*	Globe Support Assembly (40938)	10035-37	O-Ring Seal
50034-1*	Globe Support Assembly 19" leads (40938)	50186	Frangible Coupling – Aluminum 1.5 Inch
50034-2*	Globe Support Assembly 29" leads (40938)	50184	Frangible Coupling – Aluminum 2 Inch
50035*	Globe Support Assembly (40939)	40948*	Globe Support

* Includes Clamp Band

