

High Intensity Runway Light/Quartz



Compliances: FAA AC 150/5345-46: L-862 Series
ICAO Annex 14 Figure 2.9, 2.10 & 2.11
USAF Regulation AFM 32-1076
USN NAVAIR 51-50AAA-2
NATO STANAG 3316

HRLQ

Applications

The HRLQ High Intensity Runway Light is used for elevated runway edge lighting and elevated threshold and end lighting.

Features

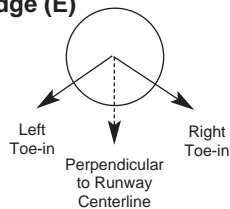


- ETL Certified (As listed in Table 1 only)
- Meets ICAO Recommendations for runway edge and end lighting
- Inner Lens and Outer Globe to focus the main beam
- Clamp Band for the outer globe
- Available with 1.5 inch or 2 inch breakable column
- Uses a 6.6 amp quartz bi-pin lamp for most applications
- Cast Aluminum Housing painted yellow
- Available in heights from 14 inches to 30 inches

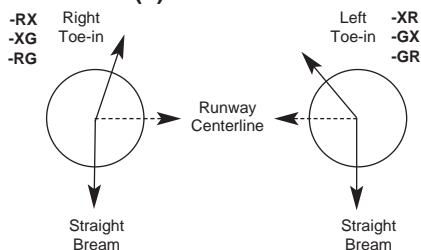
Table 1

Edge Lights	Threshold/End Lights
86241-E-XX-120-XX	86241-T-RG-200-XX
86242-E-XX-120-XX	86242-T-RG-200-XX
86241-E-XX-150-XX	
86242-E-XX-150-XX	

Runway Edge (E)



Threshold (T)



Ordering Information

How to Order: Construct the basic catalog number by adding the breakable column thread diameter. Choose the application which determines if one or both directions have the light beam toed-in toward the runway centerline. Add the colors, lamp wattage, and height. A two conductor lead with L-823 plug and the lamp are included. Threshold lights should be ordered with half the quantity right toe-in and half left toe-in.

Examples: 86242-T-RG-200-14 is a 14 inch high HRLQ with 2 inch diameter threaded breakable column and a 200 watt lamp. It is bidirectional with a straight beam red side for the runway end and a right toe-in green side for the threshold.

86241-E-CY-120-24 is a 24 inch high HRLQ with a 120 watt lamp and 1.5 inch breakable column. It is used as a bidirectional edge light and the clear beam is left toe-in and the yellow beam is right toe-in.



FAA Type: _____

HRLQ Model _____

Breakable Column Size: _____

1 = 1 1/2" Thread

2 = 2" Thread

Application*: _____

E = Runway Edge

T = Threshold/Runway End

Color/Color*: _____

C = Clear

R = Red

B = Blue

Y = Yellow

G = Green

X = Opaque/Blank

Lamp Wattage: _____

120 = 120w Bi-Pin 20058 - L-862, ICAO Fig. 2.10

150 = 150w Bi-Pin 40925 - ICAO Fig. 2.11

200 = 200w Bi-Pin 20172 - FAA L-862E**

201 = 200w Pk-30d 10047-2477 - L-862E**

151 = 150w Pk-30d 10047-2223 ICAO FIG. 2.11

122 = 115w DCR 20496 **

202 = 200w DCR 20268 **

Height in Inches: _____

Standard Height 14 Inches

Available in 2 inch increments to 30 inches.

* Beam orientation is determined by the application and the color position in the catalog number. For the Threshold version, the green beam is always toed-in and the red beam is always straight.

**200 Watts for FAA Threshold/End Light.

Installation Drawings

Instruction Sheet:	8922
Shipping Weight:	4.5 lbs 2.0 kg.
Shipping Volume:	0.31 cu.ft. .009 cu.m.

Note: For fixtures extended above standard 14 inch height, the breakable column is a three piece assembly.

Accessories

Catalog Number	Description	Shipping Weight		Shipping Volume	
		lb.	kg.	cu. ft.	cu. m.
AP1932	Baseplate, 2" Hub, Painted Steel	8	3.6	0.14	.004
AP1935	Baseplate, 1.5" Hub, Painted Steel	8	3.6	0.14	.004
900062-B-24	Base L-867, class II, 24" deep	16	7.3	2.6	.074
900062-B-16	Base L-867, class II, 16" deep	13	5.9	1.8	.051
AC21242H200301	Base L-867, class I, 24" deep	52	23.6	2.6	.074
AW2202	Stake Assembly, 2" Hub	8	3.6	0.2	.006
AW2205	Stake Assembly, 1.5" Hub	8	3.6	0.2	.006
823KP-D4-D4	Connector Kit L-823, 8 AWG Stranded, .32" to .43" O.D.				
40999	Leveling Fixture				
33004*	Transformer, 100W, 6.6/6.6A	8.6	3.9	0.3	.009
33150*	Transformer, 150W, 6.6/6.6A	16.0	7.3	0.4	.011
33006*	Transformer, 200W, 6.6./6.6.A	16.0	7.3	0.4	.011

* Transformers – Rated for 25% overload.

Renewal Parts

Part Number	Description	Part Number	Description
10050-20	Clear Outer Globe-Edge	40972-**	Inner Lens Assembly (360°)
10050-21	Red/Green Outer Globe - Threshold/End, R#	40989	Globe Gasket
10050-21-RX	Red/Blank Outer Globe, End, L#	40992-1	Optical Subassembly and Lead for 16-20" Height
10050-21-XG	Blank/Green Outer Globe	40992-2	Optical Subassembly and Lead for 22-30" Height
10050-22	Green/Red Outer Globe -Threshold/End, L#	40947	Clamp Band
10050-22-XR	Blank/Red Outer Globe, End, R#	40718	Locknut, 1.5"
10050-22-GX	Green/Blank Outer Globe, Threshold, L#	10047-589	Locknut, 2"
10050-23-B	Blue Inner Lens (180°)	10038-31	Lockpin
10050-23-C	Clear Inner Lens (180°)	40983-1	Breakable Column 1.5" (Standard Height)
10050-23-G	Green Inner Lens (180°)	40983-2	Breakable Column 2" (Standard Height)
10050-23-R	Red Inner Lens (180°)	40994-5	EMT Extension Pipe for 24" Height
10050-26	Clear/Blank Outer Globe - Edge, L#	40994-8	EMT Extension Pipe for 30" Height
10050-27	Blank/Clear Outer Globe - Edge, R#	41852	Upper Fitting, Support Column (All Extensions)
10050-29	Clear/Green Outer Globe, R#	50184	Breakable Coupling 2" Aluminum (Spare)
10050-30	Green/Clear Outer Globe, L#	50049	Breakable Coupling 1.5" - Plastic (Spare)
10050-31	Red Outer Globe	50186	Breakable Coupling 1.5" - Aluminum (Spare)
40959	Yellow Inner Lens (180°)		

Indicates left or right toe-in

**Add letters for two colors such as -CC or -CY. For red and green combinations, order colored outer globe and -CC inner lens.

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For more information

CROUSE-HINDS
AIRPORT LIGHTING PRODUCTS
1200 Kennedy Road
Windsor, CT 06095
USA
TEL: (860) 683-4300
FAX: (860) 683-4354

CROUSE-HINDS
AIRPORT LIGHTING PRODUCTS
5925 McLaughlin Road
Mississauga, Ontario
CANADA L5R 1B8
TEL: (905) 507-4187
FAX: (800) 263-9504

