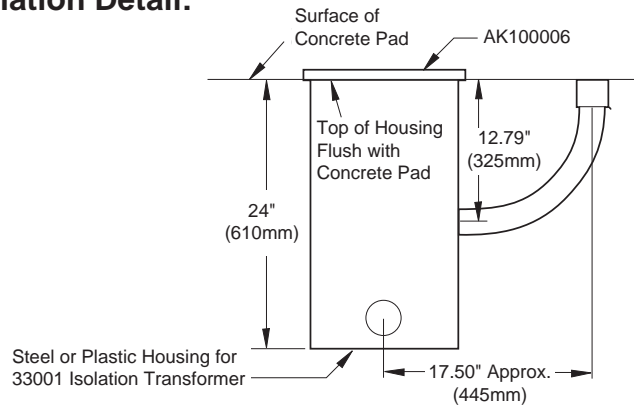


Transformer Housing Installation Detail:



Accessories

Part Number	Description	Shipping Weight		Shipping Volume	
		Lbs.	Kg.	Cu.Ft.	Cu.M.
AC21242HX00301	Base L-867, Class 1, 12 inches in DIA., 24 inches deep	52.0	23.6	2.6	0.074
AK100006	Blank Coverplate, 0.375 inches thick	5.0	2.3	0.13	0.004
900152	Base L-867, Class II (NON-METALLIC), 12 inches in DIA., 24 inches deep	16.0	7.3	2.6	0.074
10530287	Gasket for Coverplate				
823KP-D4-D4	Primary L-823 Connector Kit				
33001	Isolation Transformer 45 Watts, 6.6/6.6A (option 2 only)	5.2	2.36	0.3	0.009
33002	Isolation Transformer 45 Watts, 20/6.6A (option 2 only)	5.2	2.36	0.3	0.009
50133	Aiming Device				

Renewal Parts

Part Number	Description	Part Number	Description
42300	Flash Head Assembly	42322-1	Power Supply, Master, High Intensity, 120V
42311	Lamp, PAR-56 Flash Tube	42322-2	Power Supply, Master, High Intensity, 240V
10047-885	Lighting Arrestor	42322-3	Power Supply, Master, Low Intensity, 120V
42363-1	PC Board, Master, Low Intensity	42322-4	Power Supply, Master, Low Intensity, 240V
42363-2	PC Board, Master, High Intensity	42322-5	Power Supply, Master, 3 Intensity, 120V
42363-3	PC Board, Master, Three Intensities	42322-6	Power Supply, Master, 3 Intensity, 240V
42363-4	PC Board, Slave, Low Intensity	42322-7	Power Supply, Slave, High Intensity, 120V
42363-5	PC Board, Slave, High Intensity	42322-8	Power Supply, Slave, High Intensity, 240V
42363-6	PC Board, Slave, Three Intensities	42322-9	Power Supply, Slave, Low Intensity, 120V
42305	High Voltage Capacitor (30uF, 2500VDC)	42322-10	Power Supply, Slave, Low Intensity, 240V
10047-1821	Fuse, 1.5 Amp., Slo-Blo (240VAC Only)	42322-11	Power Supply, Slave, 3 Intensity, 120V
10047-1136	Fuse, 3 Amp., Slo-Blo (120VAC Only)	42322-12	Power Supply, Slave, 3 Intensity, 240V
10047-2418	Fuse, 1.25 Amp, Slo-Blo		
25684-1	Floor Flange		
61062-1	Frangible Coupling		
42286	2" EMT (50mm pipe), 21" (533mm) Long		
10037-459	Pipe Cap		

Shipping Weights and Volumes

REIL Catalog Number	Shipping Weight		Shipping Volume	
	Lbs.	Kg.	Cu.Ft.	Cu.M.
84900-A (or C, or E) -120 (or 240) -1 (or 2, or 3)	155	70.3	37	1.048



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

**CROUSE-HINDS
AIRPORT LIGHTING
PRODUCTS**

Runway End Identifier Lights (Unidirectional)

Compliances: FAA/AC 150/5345-51; L-849A,C,E
ICAO Annex 14
USAF Regulation 88-14
USN NAVAIR 51-50AAA-2
Transport Canada Specification K312




REIL

Applications

The primary application of a REIL system is to positively identify the end or the threshold of a visual or instrument non-precision runway.

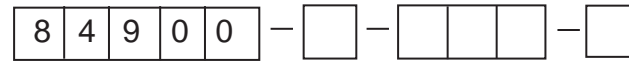
This REIL system consists of two unidirectional synchronized flashing lights. One flasher unit is located at each side of the runway threshold.

Features

- ETL Certified 
- Easy to install – each REIL unit consists of a flash head and a control box, mounted on the same support leg(s).
- Easy to maintain – special tools are not required.
- Does not require separate control cabinet – REIL Master Unit with integral system control.
- Resettable elapsed time meter for high intensity step (optional).
- Precise aiming device* – with digital readout.
- Safety interlock in each control box and flash head.
- Weather resistant – painted parts are coated with U.V. resistant paint, electrostatically applied.
- Field adjustable current sensing relay option – automatically energizes REIL to complement runway edge lighting at any preset brightness level.

Ordering Information

How to Order: To the Basic Catalog Number, add the symbols for FAA Style and Input Power, as shown below. Add Option numbers as required.



Basic Catalog Number

84900 = L-849 REIL
(Includes 1 Master and 1 Slave Power Supply and 2 Flash Heads)

FAA Style

A = 1 Step, High Intensity
C = 1 Step, Low Intensity
E = 3 Steps, Low, Medium & High Intensity

Input Power

120 = 120VAC, 50/60 Hz
240 = 240VAC, 50/60 Hz

Options (Add as Needed)

1 = Elapsed Time Meter (FAA Style A & E Only)
2 = Current Sensing Relay (Master Unit Only)
3 = Lamp Baffle (Two Per System)

* Order 50133 aiming device separately (one per facility).

Technical Data:

Instruction Manual: 9342

Environmental:

- Temperature: -55 to +55 degrees C.
- Altitude: 0 to 10,000 feet.
- Humidity: Up to 100%, condensing.

Primary Power:

- At 240VAC, 60 Hz, the long term average of rms current is 1.25 amps, thus giving a VA rating of 300 VA * per unit.
- At 120VAC, 60 Hz, the long term average of rms current is 2.50 amps, thus giving a VA rating of 300 VA * per unit.
- *For **50Hz** applications, allow additional 10% of power consumption per each REIL unit.

Remote Control power:

- 120VAC at 1.25 amps, 50/60 Hz.

Effective Intensity:

- Style A = 15,000 ± 50% effective candelas.
- Style C = 700 ± 50% effective candelas
- Style E = 300 ± 50%, 1,500 ± 50% and 15,000 ± 50% effective candelas

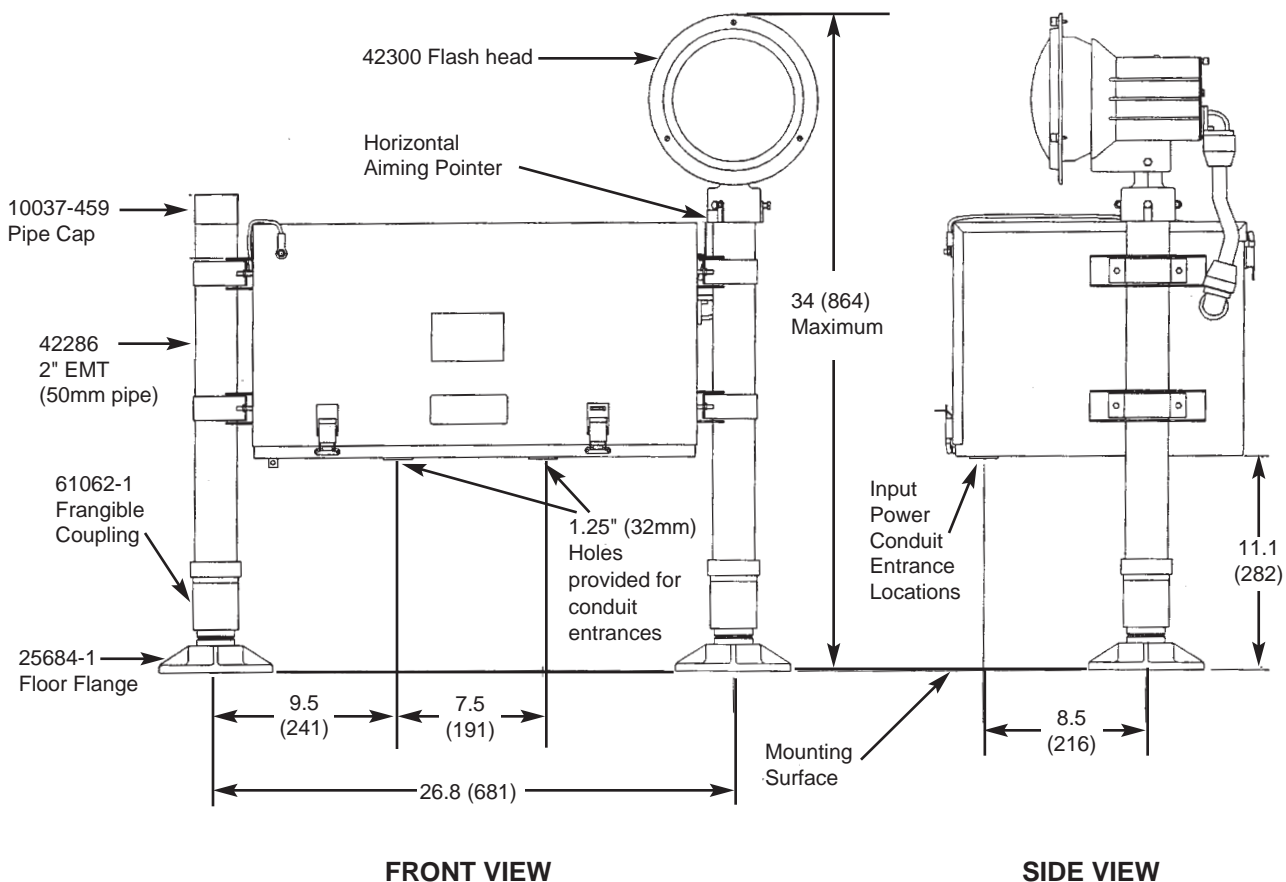
Flash Rate:

- 60 Flashes per minute (adjustable)

Beam Pattern:

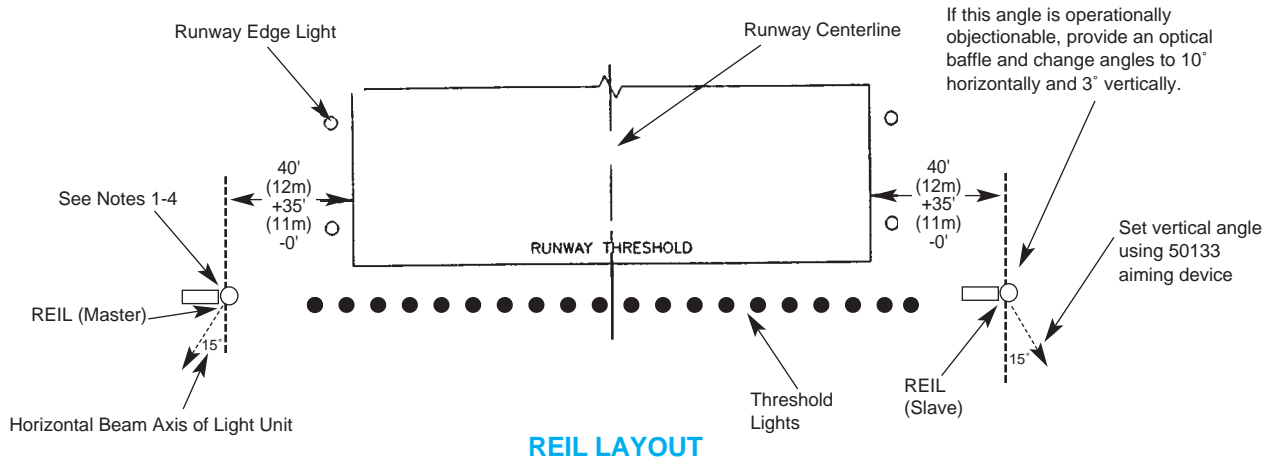
- 10 degrees vertical by 30 degrees horizontal

Outline Drawing:

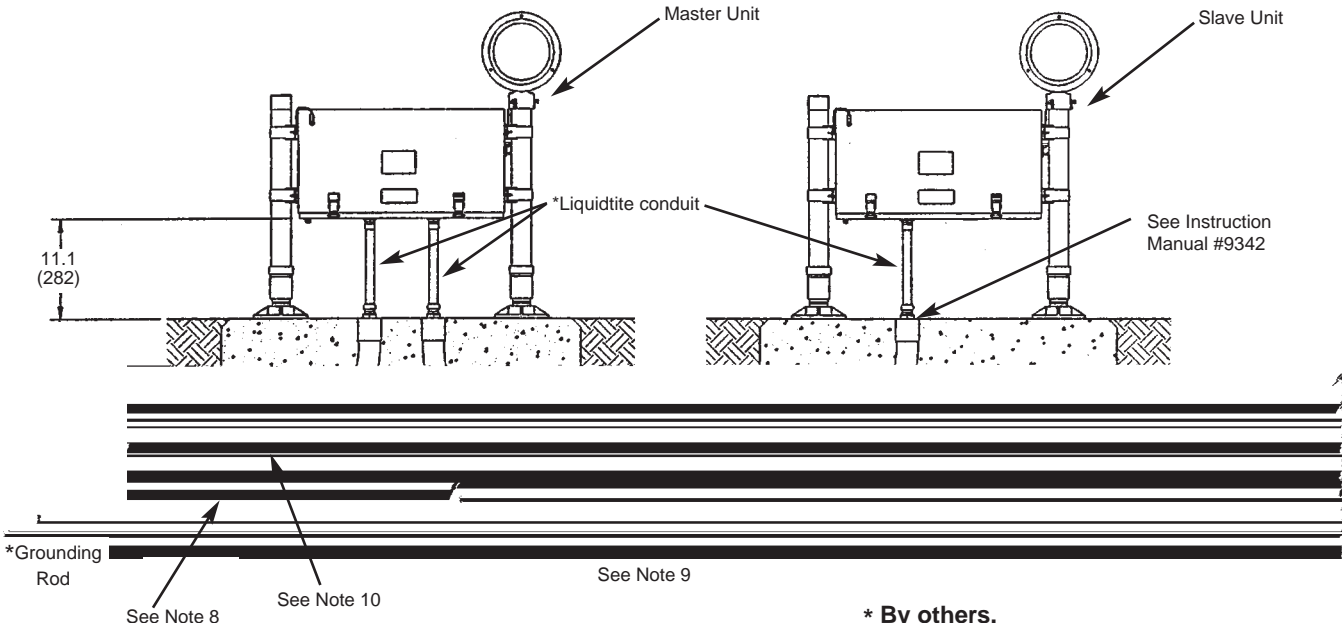


Dimensions: Inches (Millimeters)

Installation Information:



REIL LAYOUT



REIL INSTALLATION

Notes:

1. The optimum location for each light unit is the line with the runway threshold at 40' (12m) from the runway edge.
2. A plus or minus 200 foot (61m) tolerance is permitted in locating the light units in line with the runway threshold.
3. The light units are equally spaced with respect to each other, from the runway threshold.
4. The beam centerline of each light unit is aimed 15° outward from a line parallel to the runway centerline and inclined at an angle 10° above the horizontal.
5. Locate the REIL equipment not less than 10 feet (3m) from taxiways.
6. If REIL system is used with PAPI system, install REIL 75' (23m) from the edge of the runway.
7. The installation must conform to the applicable sections of the National Electrical Codes and to local codes.
8. The size of the concrete foundation is determined by others. It is common practice to allow at least 6" (152mm) below local frost line for foundation depth.
9. The installation of power and control wires must be in accordance with the application sections of Item L-108 of Standard Specifications for construction of airports.
10. For REIL with current sensor (option 2) add isolation transformer and housing. (See CT-12.8 for details).

Dimensions: Inches (Millimeters)