

L-850A(L) LED Inset High Intensity Lights



Compliances (Current Editions)

FAA : AC150/5345-46, L-850A(L), Engineering Brief No.67, ETL Certified

ICAO : ANNEX 14 PARA 5.3.12, 5.3.13

IEC : 61827

Canada: TP 312



Application

Used for Runway Centerline and Land & Hold Short Operations (LASHO) with economic, long-life LED modules.

Key Features

- Low profile <0.25" (6mm) FAA Style 3
- Light weight aluminum forging top section provides superior mechanical strength and durability
- Easily replaceable non-sealed type prism
- Long life LED, > 50,000 hours
- Direct mounting on standard FAA L-868 Base with FAA Support Ring
- Compatible with all CCR types
- Protection Class: IP68

Ordering Information

850A-□-8□-□

Color
 WW = White/White
 WR = White/Red
 WO = White/Obscured
 RO = Red/Obscured

Dimension
 F = 12" (FAA Support Ring)
 N = 8"

Option
 1 = Prism Hardness Coating



Specifications

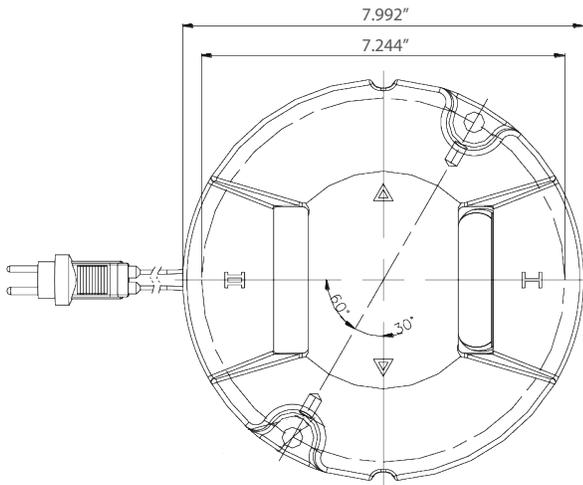
Brief Specification

- Input Power : 2.8~6.6A
- Power Consumption (Isolation Transformer)
 - White/White: 36VA (45W)
 - White/Red: 32VA (45W)
 - White: 33VA (45W)
 - Red: 13VA (25W)
- Long life LED, > 50,000 hours
- Low profile: <0.25" (6mm)
- Minimum Average Intensity data: 5,427cd(W) / 1038cd(R)
- Chromaticity data
White (x 0.348, y 0.353), Red (x 0.695, y 0.301)

Operating Conditions

- Operating Temperature: -40°C to +55°C
- Storage Temperature: -55°C to +55°C
- Ingress Protection: IP68
- Salt Fog: Per FAA AC AC 150/5345-46
- Temperature Shock: Per FAA AC AC 150/5345-46
- - Humidity : 0~100%

Dimensions

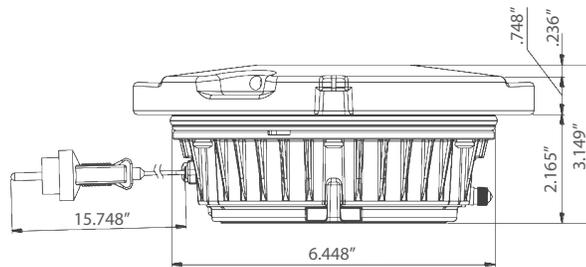


Top View

Fixture

Shipping Weight 6.5lb (3.1kg)

Shipping Dimensions 9.5" x 8.5" x 4.5"
(241mm x 215mm x 114mm)



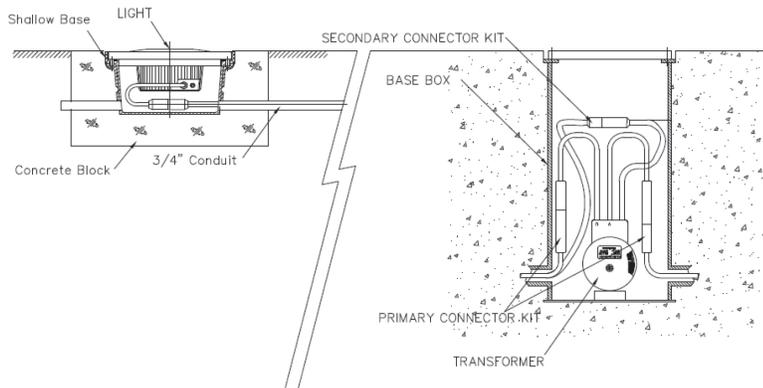
Front View

Installation

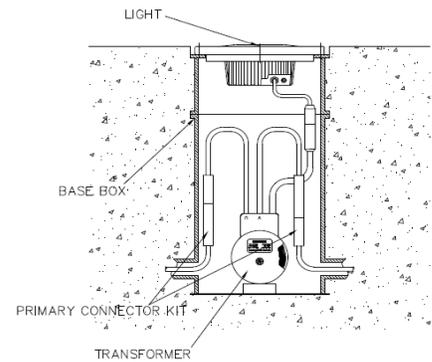
Installation

The L-850A(L) is designed to be installed as below recommended configuration.

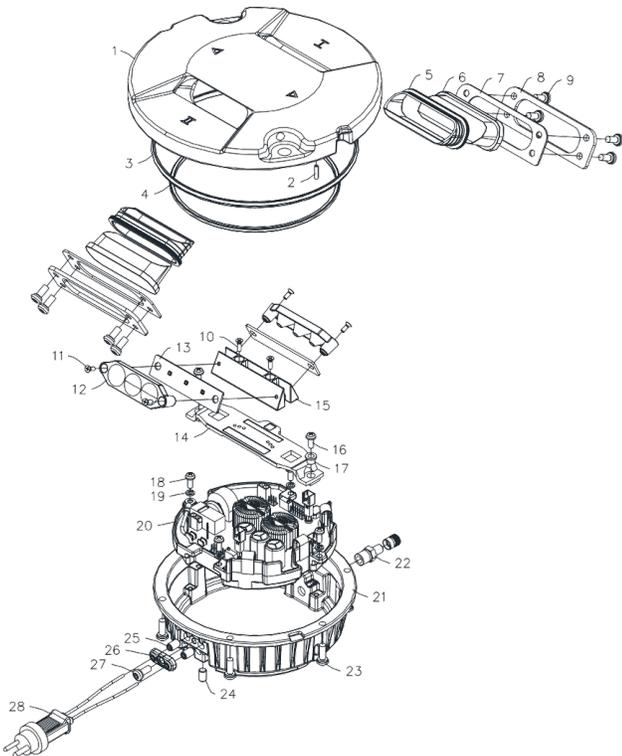
Shallow Base



L-868 Base Body



Components



Item	Description	Part Number
3	O-Ring 6.5"	33-50026
4	O-Ring	33-50006
5	Prism Sealant	33-44005
6	Prism	33-40002
7	Prism Gasket	33-44001
8	Prism Holding Bracket	33-44009
10-17	LED Module, White/White	33-81144
10-17	LED Module, White/Red	33-81143
10-17	LED Module, White/Obscure	33-81142
10-17	LED Module, Red/Obscure	33-81132
20	Control Board	33-34002