



# L-850B(L) LED Inset Unidirectional High Intensity Lights



## Compliances (Current Editions)

FAA : AC150/5345-46, L-850B(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 Touchdown Zone and Medium Intensity Approach Lighting Systems with economic, long-life LED modules

## Key Features

- Low profile <25" (6mm) FAA Style 3
- Light weight aluminum forging top section 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

850B-□-8□-□

### Color

(Toe In L / Toe In R)

WO = White/Obscured

OW = Obscured / White

WS = White/Obscured (Straight)

### Dimension

F: 12" (FAA Support Ring)

N: 8"

### Option

1 = Prism Hardness Coating

# Specifications

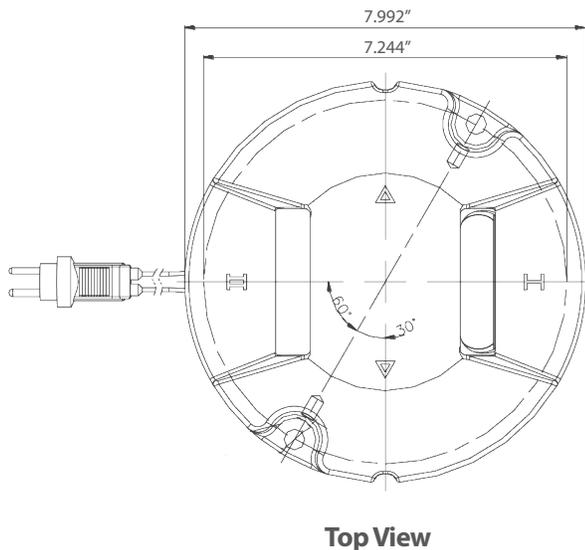
## Brief Specification

- Input Power : 2.8~6.6A
- Power Consumption      White: 33VA (45W)  
(Isolation Transformer)
- Long life LED, >50,000 Hours
- Low profile: <.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%

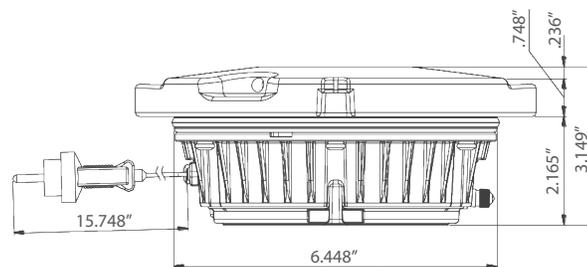
## Dimensions



### Fixture

Shipping Weight      6.5lb (3.1kg)

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



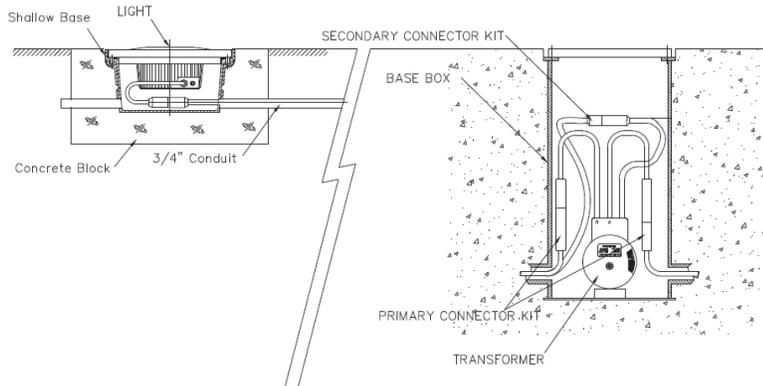
Front View

# Installation

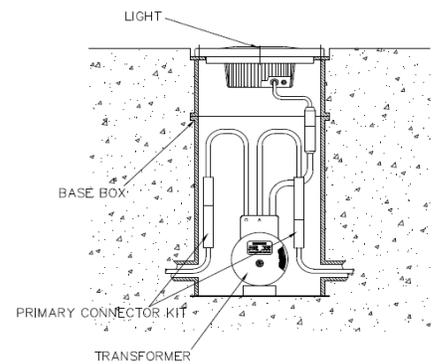
## Installation

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

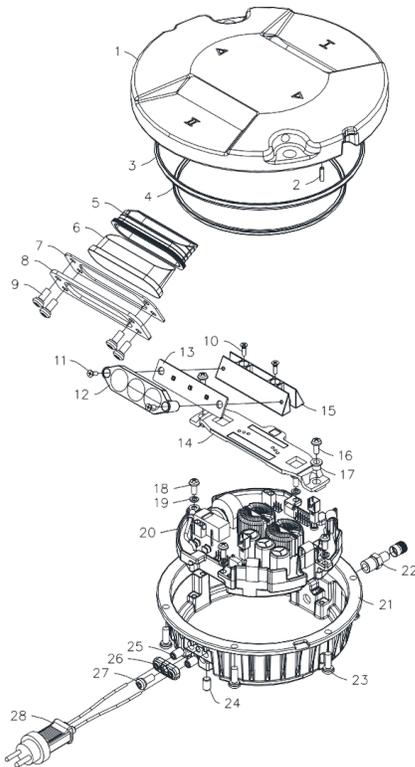
### Shallow Base



### 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
12	LED Lens	33-60004
10-17	LED Module, White/Obscure	33-81142
10-17	LED Module, White (RT Toe)	33-82124
10-17	LED Module, (LT Toe)	33-82142
20	Control Board	33-34002