

## Stopbar-LED, 852S (L)

### Compliances:

FAA AC 150/5435-46D  
Engineering Brief No. 67  
ICAO Annex 14  
IEC TS 61827  
NATO: STANAG 3316



### Applications

The STP fixtures are used for runway incursion protection and traffic control on taxiways just before active runways. They are required for SMGCS operations during low visibility conditions as defined in FAA AC 150/5340-30 and AC 120-57A. This unidirectional light is designed for use in all weather conditions with any kind of control system including the Digitrac® Control and Monitoring System. The STP is a red unidirectional light, with a 20W LED module.

### Features

- 8" outer diameter (12" optional)
- 0.25" height above surface
- Depth below flange: 1.38"
- Light prism size 1.57" x 0.24"
- Dust and Water tightness: IP68
- Overall lifetime\* up to 20 years
- Useful Lamp life\*\* (LED) > 50,000h
- Nominal Current: 6.6A (0-100%)
- Power consumption (@6,6A): 12W per side
- Power factor >95% at nominal current
- Fail/open functionality using a series transformer with a power rating of up to 100W
- Temperature\*\*\*: -40°C to +85°C (-40°F to +185°F)
- Internal serial interface for diagnostics and parameterization
- Arctic kit (optional). Additional 14 W while operating
- Integrated single lamp control (optional)

\* Apart from wear parts

\*\* Based on 24h cycle: 8h @55°C Air temperature + 1kW/m² solar radiation / 16h@25°C

\*\*\* Measured on cover surface

### Ordering Information

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Fixture Type: Stop bar

Technology: 5 = Pro V LED Series

Color: R0 = Red/Blank

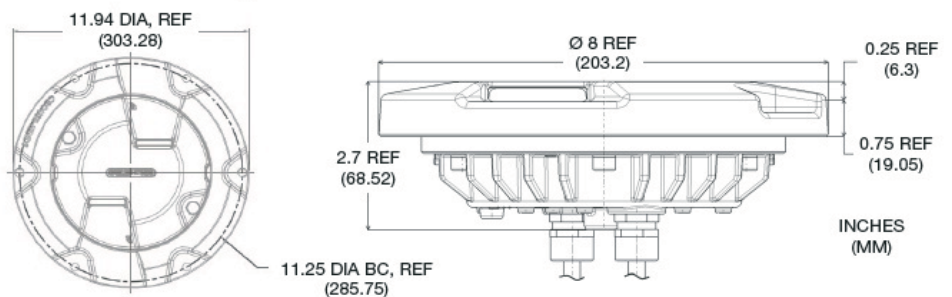
Photometrics: F1 = FAA

Fixture Diameter/Orientation: NSR = Optical assembly without support ring  
12S = 12" dia. support ring for Straight Taxiway (11.25" B.C.)

L-823 Plug Connections: P1 = One Plug

Arctic Kit: 0 = No heater  
1 = Heater

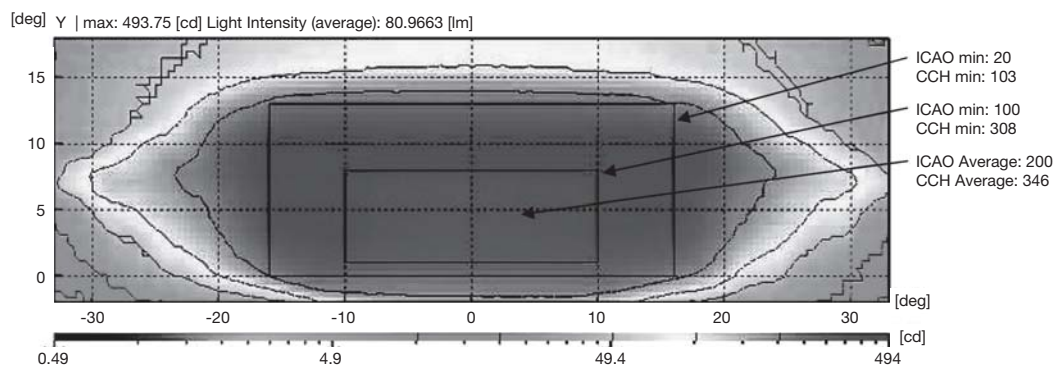
### Outline Drawings



Instruction Manual:

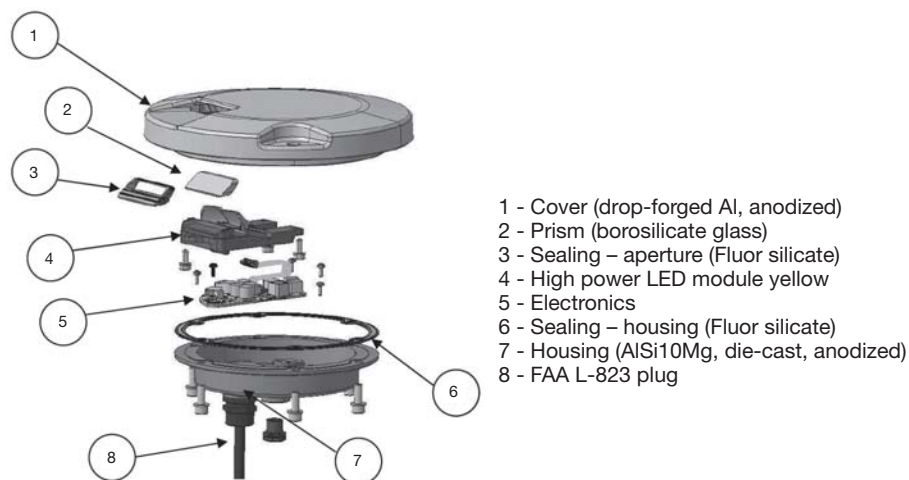
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## Typical Photometric Data



Stopbar, Light Distribution FAA

## Components



## Accessories

Description	Part Number	Description	Part Number
Base: L-868B, Class I*, 24" Deep	AC24242H200303	Isolation Transformer - 15/20 W, 6.6/6.6 A	33365
Bolt Set	22500	Isolation Transformer - 30/45 W, 6.6/6.6 A	33001
Heat Shrink Kit - 1 Piece	10047-2154		

## Renewal Parts

Description	Part Number	Description	Part Number
12" Dia. FAA Support Ring Straight (11.25" B.C.)	22504	2 Power Supplies/Fixture Base w/ (1) L-823 Plug	22523
Connector Kit - L-823, 8 AWG, 0.32" to 0.43" O.D.	823KP-D4-D4	2 Power Supplies/Fixture Base w/ (2) L-823 Plugs	22508
Connector Kit for Base	22522	Prism Replacement Kit (includes Prism Gasket)	22502
Gasket, Base Interior	22501	Red Cartridge Taxiway	22511
Power Supply/Fixture Base w/ (1) L-823 Plug	22507		

