Inset Taxiway Stop Bar Light (LED)

VARDHMAN
Airport Solutions

Low intensity Un-idirectional inset light

VAS-ISBL-8-R-L-X

Compliance with standards

- ICAO Annex 14, Volume 1
- FAA AC 150/5345-46
- FAA Engineering Brief 67D
- IEC 61827

Application

- A set of luminaires located at the runway holding position, used at night and in conditions of visibility with a runway visual range greater than 550 m, which may form part of an effective measure to prevent runway incursions. Use at night or in low visibility conditions.
- Low-Intensity, Uni-directional, Stop bar light that can be used in ICAO category II & III runways.

Specifications

- Power Supply 2.8A~6.6A
- Rated Power 8W
- Power Factor >95% at nominal current
- Temperature -40° C to +55° C
- Life Time of LED 50,000 hrs
- Protection Class IP 68
- Protrusion Height 6.3mm
- Color Red
- Direction Uni-directional
- Light fitting Size Ø8"

Features

- The light fitting is designed in strict accordance with the technical requirements and specifications of ICAO, IEC and FAA for Runway and Taxiway as Navigational aid light for Airports.
- A surge protection device is provided in the electronics as required by FAA "Engineering Brief 67D.
- The long life, energy saving and maintenance-free characteristics of LEDs bring economic benefits.
- High-efficiency power factor correction circuit ensures effective reduction of interference to the power supply network.
- Efficient design of LED heat dissipation effectively reduces the working temperature of light fitting, LED and drivers to ensure long service life.
- Fully dimmable lights, simulates the dimming curve as per Standard's requirement.
- Electrolytic capacitors of high temperature and long life are used in circuitry to improve the stability of the LED driver.
- The optical prism adopts special tempered glass to prevent the prism from bursting due to drastic changes in temperature.
- Fail-open option is available to achieve compatibility with advance control and monitoring systems. The LED light automatically disconnects from the secondary side of the isolation transformer, resulting in an open circuit condition.

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ISO 9001:2015 Certified Company

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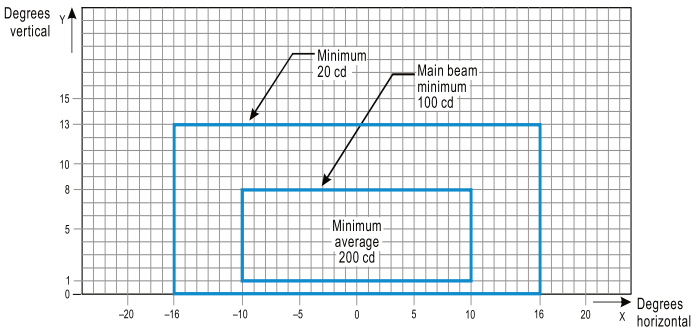
CIN U62100DL2014PTC263759

Product specifications and pictures may slightly vary and are not binding. We reserve the right to revise or upgrade the specification for improvement.

Features

- The overall protection level of the light fitting reaches IP68, preventing dust and rain from eroding the interior of the light.
- Fully compatible with existing airfield lighting series circuits.
- Color emitted directly by LEDs in absence of colored filters ensures no energy losses and no color shifts.
- The main body of the light fitting is made of aluminium alloy which is strong and has good anti corrosion performance.
- The height of light fitting protruding from the ground is only 6.3mm. This helps in strongly reducing vibrations to aircrafts and to light itself, increasing its lifespan.
- The upper cover of the light fitting adopts high strength design and drop forging process, with good mechanical properties, strong bearing capacity and impact resistance
- Fasteners are made of stainless steel which are durable.
- The parts are modularly designed and universal, which are easy to replace.
- Style L-823 connectors are used.

Photometric Data



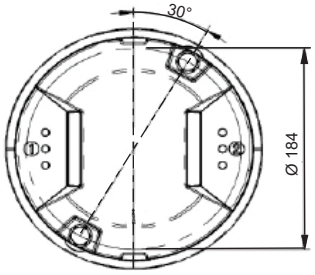
Stop Bar Light ICAO Fig. A2-12	
Colour	Red
Max./Min. Intensity Ratio	<3.0
Main Ellipse Average Intensity	200cd
Main Ellipse Minimum Intensity	100cd
Second Ellipse Minimum Intensity	20cd
Chromaticity	ICAO Annex. 14 Fig A1-1b

Ordering information

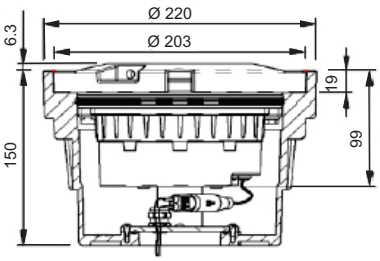
VAS-ISBL-8-R-L-X

- X = O/M
  - O = Without Monitoring
  - M = With Monitoring
- L = Led Light
- R = Red
- 8 = 8" Diameter
- ISBL= Inset Stop Bar Light
- VAS = VARDHMAN

Dimensions

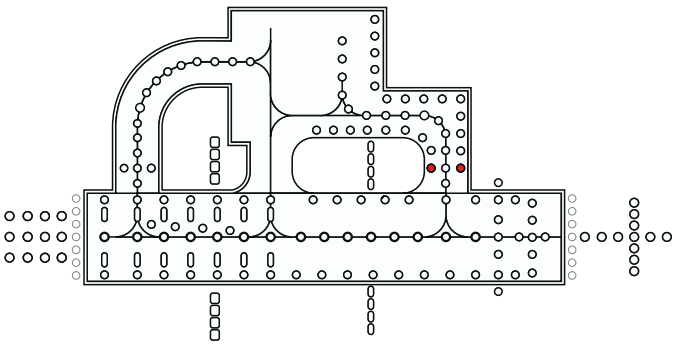


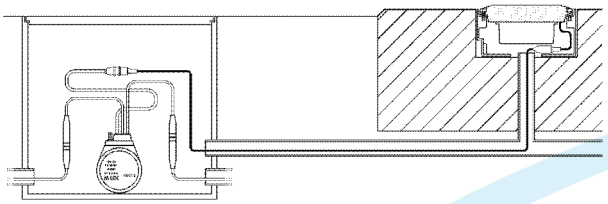
(Top View)



(Section View)

Installation





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