General

Our high-efficient LED inset lights meet the highest requirements in design and construction. The installation height of 6.3 mm reduces the attack surface for cleaning machines and snow ploughs. The use of shatter-proof and scratch-resistant glass as well as a high temperature resistance range guarantee a long lifetime. All our products have been certified with IP 68. The risk of damage is greatly reduced and therefore a significant reduction of maintenance costs and material consumption can be achieved. The light output is infinitely variable and moreover, there is a wide range of possible colours.

Rapid Exit Taxiway Indicator Light

Benefits

- Reduced CO2 emission by up to 85 %
- Up to 50,000 hrs LED service life
- Reduce maintenance and repair by up to 70 %
Key features

• 8” outer diameter (12” optional)
• 6.3 mm height above surface
• Depth below flange: 35 mm
• Light outlet size 40 mm x 6 mm
• Dust and Water tightness: IP 68
• Overall lifetime* up to 20 years
• Useful Lamp life** (LED) up to 50,000 h
• Chromaticity Coordinates according to ICAO Annex 14, Vol.1 Appendix 1 or FAA AC 150 / 5345-46D
• Nominal Current: 6.6 A (0 – 100 %)
• Power consumption (@6.6 A): 17
• U max (100 %): 3 V
• U min (0.1 %): 1.7 V
• Power factor > 95 % at nominal current
• Fail /open functionality using a series transformer with a power rating of up to 100 W
• Temperature***: -55°C (-67 F) / + 85°C (+185 F)
• Internal serial interface for diagnostics and parameterization
• Fail-Open Function (optional)
• De-icing kit (optional). Additional 14 W whilst operation
• Sapphire coated prism (optional)
• Integrated single lamp control (optional)

*) Apart from wear parts
**) Based on 24 h cycle: 8 h @55 °C Air temperature + 1kW/m² solar radiation /16 h@25 °C
***) Measured on cover surface

Standards

• ICAO Annex 14, Vol. 1
• FAA AC 150 / 5345-46D
• Engineering Brief No. 67D
• IEC TS 61827

Variants

• Unidirectional

Colours

• Yellow
Light distribution

Yellow

ICAO A2-7

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Chromaticities

Areas description according to ICAO Annex 14, Volume I, Edition 8, July 2018
Dimensions

Components

1. Cover (drop-forged Al, anodized)
2. High power LED module 1
3. High power LED module 2
4. Prism (borosilicate glass)
5. Sealing - aperture (Fluor silicate)
6. Sealing - housing (fluor silicate)
7. Electronics
8. Housing (AlSi10Mg, die-cast)
9. FAA L-823 plug

Options

- This fixture is also available in CEDD®
Accessories

- 8” Shallow Base
- 12” Shallow Base
- Installation Jig for 8”
- Installation Jig for 12”
- Transformer

Packing data

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### Direction
- S: Straight
- L: Left Direction
- R: Right Direction
- G: Omni

### Regulation
- F: FAA
- I: ICAO

### Light Intensity
- 1: CAT I
- 2: CAT II
- 3: CAT III

### Cover/Size
- 1: 8 Inch Cover
- 2: 12 Inch Cover
- 3: 8 Inch Fat Cover

###Colors A
- B: Blue
- G: Green
- R: Red
- W: White
- Y: Yellow
- O: Blank

### Toe-in A
- 35: 3.5° Toe-In
- 40: 4.0° Toe-In
- 45: 4.5° Toe-In
- 50: No Toe-In

###Colors B
- B: Blue
- G: Green
- R: Red
- W: White
- Y: Yellow
- O: Blank

### Toe-in B
- 35: 3.5° Toe-In
- 40: 4.0° Toe-In
- 45: 4.5° Toe-In
- 50: No Toe-In

### Prism
- 1: Icosahedron Prism
- 2: Sapphire Prism

### Cable
- 10: 250 mm, One Plug
- 1T: 250 mm, Two Plugs
- 30: 300 mm, One Plug
- 20: 457 mm, One Plug
- 2T: 457 mm, Two Plugs

### Plug type
- 1: Standard FAA 3-Pole Plug
- 2: Special 3-Pole Plug

### Fail-open
- 0: Without Fail-Open
- 1: With Fail-Open

### Deicing-Kit
- 0: Without Deicing
- 1: With Deicing

### Special options
- 0: No Special Options
- 1: Temperature Compensation
Datasheet - Rapid Exit Taxiway Indicator Light (RETIL)

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Company profile:

TKH Airport Solutions is a provider of a comprehensive range of Airfield Ground Lighting products. It includes powerful, highly reliable top of the range LED lighting products as well as future-proof technologies to better power and communicate with your LED lights. With our CEDD-AGL solution, we seamlessly integrate the needs of airports with new airfield network technology.

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