Runway Edge Light
Datasheet

LED AGL
Airfield Ground Lighting
Power, Control and Monitor System
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.

Runway Edge 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 %
**Features**

- 12” outer diameter
- 6.3 mm height above surface
- Depth below flange: 50 mm
- Light outlet size 49 mm x 10 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):
  - white 52 W per side
  - red 40 W per side
  - yellow 22 W per side

*) 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
- NATO: STANAG 3316

**Variants**

- Unidirectional toe-in 3.5°  
- Bidirectional toe-in 3.5°  
- Unidirectional toe-in 4.5°  
- Bidirectional toe-in 4.5°  
- L-850 C
## Light distributions

<table>
<thead>
<tr>
<th>A2-9 Runway Edge, ICAO white</th>
<th>A2-9 Runway Edge, ICAO red</th>
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<tbody>
<tr>
<td><img src="image1.png" alt="Diagram" /></td>
<td><img src="image2.png" alt="Diagram" /></td>
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<th>A2-10 Runway Edge, ICAO Red</th>
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<td><img src="image3.png" alt="Diagram" /></td>
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Colours

- white / white
- white / red
- white / yellow
- red / red
- yellow / yellow

Chromaticities
**Components**

**Uni-directional straight variant**

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

**Accessories**

- 12” Shallow Base
- Installation Jig for 12”
- Transformer
Packing data

<table>
<thead>
<tr>
<th>Variant</th>
<th>Dimensions (L x W x H) in mm</th>
<th>Gross weight in kg</th>
<th>Net. weight in kg</th>
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<tbody>
<tr>
<td>12” Fixture</td>
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<td>12” Shallow Base</td>
<td>320 x 320 x 150</td>
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Ordering code

Please download our configuration tool at: https://www.tkh-airportsolutions.com/airfield-products/ or scan:

![QR Code](image)

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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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