Runway Edge Light LED High Intensity
Datasheet

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

The construction of our elevated lights are based on innovative LED technology. The flexible product concept allows an easy adaption of the products into existing structures of airport lighting – simply by replacing existing halogen lights. The use of shatter-proof and scratchresistant glass as well as a high temperature resistance range guarantee a lifetime of 20 years. All our products have been certified with IP 65. The risk of damage is greatly reduced and therefore a significant reduction in maintenance costs and material consumption can be achieved. Shape, size and weight have a positive impact on the wind load and in addition, the lights offer a high-resistance to the plane’s jet wash and provide ideal illumination even under difficult conditions. All elevated lights are also available in halogen.

Runway Edge Light

Benefits

- High intensity, bidirectional elevated runway edge light
- Low power consumption and low maintenance effort
- Optimal solution for bad weather conditions

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Application

The high intensity fitting type 796 is intended to be used in all weather conditions for edge lighting of instrument runways, designed for operation under CAT I, II and III conditions. Type 796 can be used in all colors for Runways of 45 or 60 m width.

Description

The fitting type 796-LED is a high intensity, bidirectional, lightweight, elevated runway edge light constructed to meet the demands for easy mounting, levelling and service, capability to resist jet blast from today's aerocrafts and last but not least to give sufficient light intensity, in the right angles with the use of a power LED with a low power consumption and very long life-time.

Variants

- Bidirectional
- Bidirectional with omnidirectional function
- L-862

Features

- The design is based on FAA Advisory circular AC 150 / 5345-46D
- Supplied with 36 W LED (white) and colored lenses 38 W LED (red) light source
- Heat resistant lens system, providing main beam and additional light for circling guidance
- The outside lens surface is smooth and easy to clean
- Extremely easy levelling and adjustment due to patented balljoint
- No adjustment of the light fitting, except for initial aiming, are required
- Average lifetime of up to 50,000 hours
- Aviation color lenses available
- Fully corrosion proof components
- Finished in stove enamel aviation yellow
- Suitable for use with a daylight marker cone
Recommended Accessories

- Baseplate 8˝ for breakable coupling type A and C
- Baseplate 12˝ for breakable coupling type A and C
- Adjustment tool
- Transformer
- Conduit Elbow
- FAA cable (0.4 m)
- Tripod
- Shallow base 8”
- Shallow base 12”

Light distributions

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Mounting Devices

TKH elevated light fixtures can be delivered with various types of breakable couplings:

- **Type A**: With 2” thread
  (European standard thread or 11.5 NPT or NPS)
- **Type C**: For 2” pole mounting
- Customer designed couplings

TKH breakable coupling is calculated and tested to break at

64 Kgm ± 4 Kgm which is in accordance FAA AC 150 / 5345-46B, sect 3.4.2.1.
### Technical Drawing

![Technical Drawing Image]

### Spare Parts

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<thead>
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<td>Breakable coupling type A</td>
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Packing data

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<th>Net. weight in kg</th>
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Ordering code

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

![QR Code](image1)

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For the latest version of this document see https://www.tkh-airportsolutions.com/airfield-products/ or scan:

![QR Code](image2)
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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