



# **Datasheet**

**Elevated Approach and Side Row Light (792 APH SR)** 



#### General

TKH Airport Solutions elevated lights are efficient LED lights that meet the highest requirements in design and development. The use of shatter-proof and scratch-resistant glass and the high temperature resistance range guarantee a lifetime of 20 years. 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. Most of the elevated lights are also available in CEDD® AGL technology. Contact our team for more information.



## **Key features**

- Power consumption: max. 52.8 W (Rated voltage: max. 8.0 VAC)
- Ambient temperature: -40 °C (-40 °F) / + 75 °C (+167 °F)
- · Easy levelling and adjustment due to the patented ball joint
- The shape, the small size and light weight (3kg 6lb) are favourable features in respect to wind load and jet blast
- Flexible mast adaptation for various diameters of poles
- Mounting on tube, pole or base plates
- · Fully corrosion proof components are used
- Finished in aviation yellow
- Dust and water tightness: IP54
- Nominal AC Frequency: 40-70 Hz
- Front glass according to FAA spec. CAA-1199a.
- The outside surface of the glass is smooth and needs no cleaning.
- No adjustment necessary after relamping



## **Standards**

This fixture has been developed according to the following standards:

- ICAO Annex 14, Vol. 1 and Vol. 2
- FAA AC 150/5345-46E

- Engineering Brief No. 67D
- IEC TS 61827



#### Colours

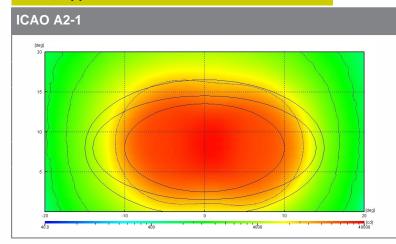
- White
- Red





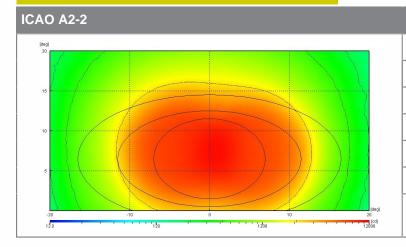
# **Light distributions**

### **White, Approach Center Line and Crossbars**



ICAO	TKH
min. average (cd)	
20000	25338
min. (cd)	
10000	13635
2000	3688
1000	2728

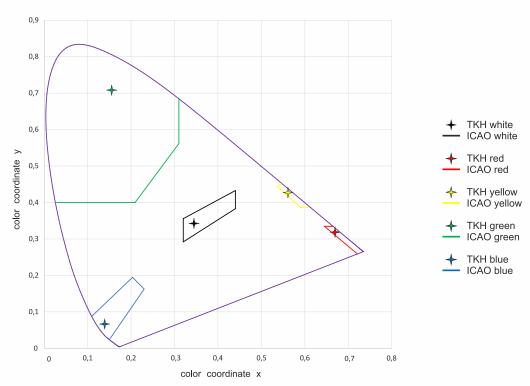
### Red, Approach Side Row



ICAO	TKH
min. average (cd)	
5000	6237
min. (cd)	
2500	3463
500	1085
250	341

## **Chromaticities**

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



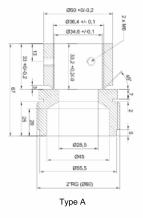
## Couplings

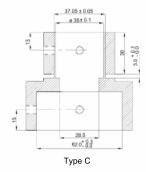
TKH elevated light fixtures can be delivered with different types of breakable coupling:

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

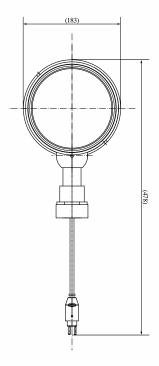
TKH breakable coupling is calculated and tested to break at

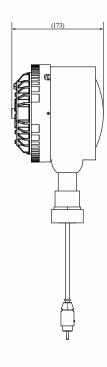
 $45 \text{ kgm} \pm 4 \text{ kgm}$  which is in accordance with FAA AC 150/5345-46E and ICAO Annex 14, Vol. 1.

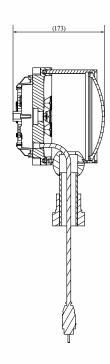




## **Dimensions**

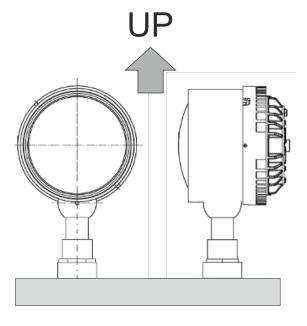






# **Operation position**

The Elevated 792 fixture is for outdoor use only. The operation position must be according the drawing (note: drawing is indicative only).





## **Accessories**

- Transformer
- Breakable coupling (unless included)
- Base plate
- Adjustment tool

Please contact our sales team to know which accessories are required for your application.



## **Document Information**

Name : 04\_LED\_Approach\_and\_Side\_Row\_Light\_Type\_792\_03-71033

Version : V2.2

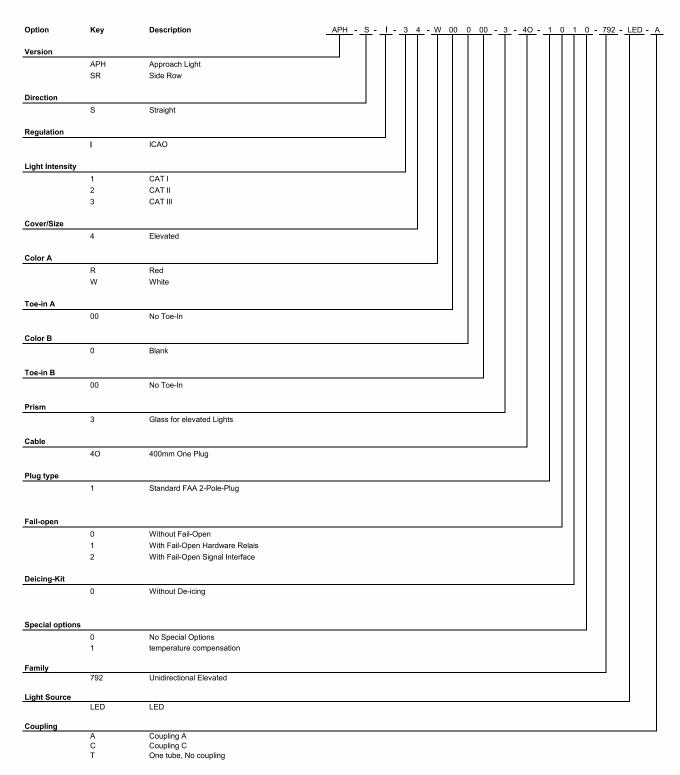
Language : English (Original manual)



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



# Ordering code





#### Company profile:

TKH Airport Solutions offers a complete range of LED-based airfield ground lighting products that are designed to be easy to install, operate, and maintain, and are compliant with international aviation standards.Our products meet the needs of our customers and contribute to a better future for the aviation industry. Being part of the TKH Group, our company can build on a history of more than 90 years in smart connectivity, energy distribution and AGL.

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