TKH AIRPORT SOLUTIONS

Datasheet

Runway Guard Light (921 / 792RGL)

LED AGL
Airfield Ground Lighting

03-71043
V2.9

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.

Description

Runway Guard Lights (WIG-WAG) are used where intersections between runway and taxiway must be clearly marked.

A system consists of two elevated fittings equipped with a unidirectional yellow light, each controlled by a flash unit. The unit can be supplied with an additional omnidirectional white LED light as position marker.

The construction is lightweight with no heavy parts above ground level. Each light can be individually adjusted for toe-in and elevation.

Key features

- Power consumption: 57W
- Input: 6.6A or 230V, 50Hz and 60Hz
- Ambient temperature: -40 °C (-40 °F) / + 75 °C (+167 °F)
- Output: approx. 45 flashes per minute per light
- Easy levelling and adjustment due to the patented ball joint
- The shape, the small size and weight (13.5kg – 30lb) are favourable features in respect to wind load and jet blast
- Withstands wind velocities up to 300 mph (483 km/h)
- Fully corrosion proof components are used
- Finished in aviation yellow
- Useful lamp life (LED) up to 50,000 h
- Dust and water tightness: IP65
- 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
- Supplied with sun shields

Runway Guard Light 921 is ICAO certified under the 792 product reference.

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Standards

This fixture has been developed according to the following standards:

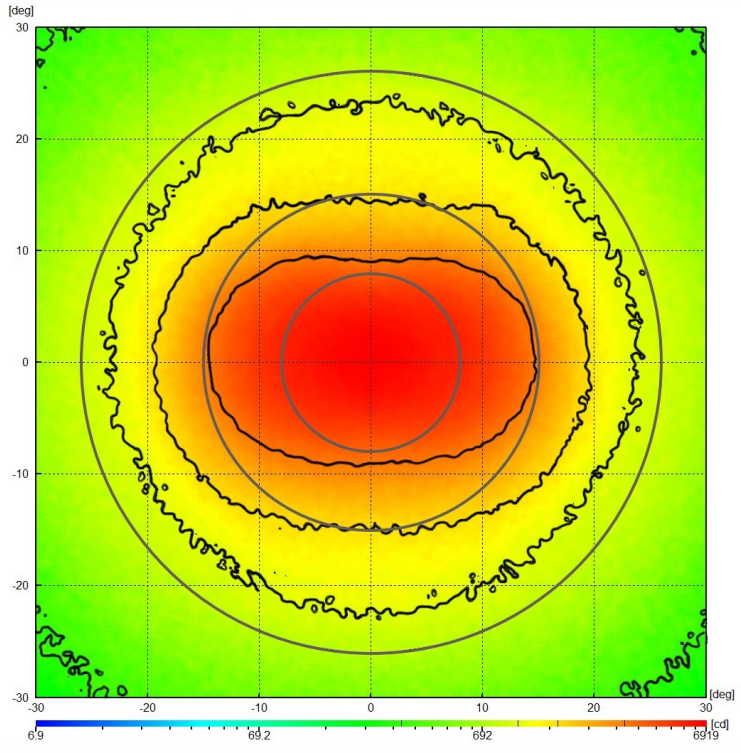
- ICAO Annex 14, Vol. 1 and Vol. 2
- FAA AC 150/5345-46E
- Engineering Brief No. 67D
- IEC TS 61827

Colors

- Unidirectional Yellow

Light distributions

Yellow

ICAO A2-25	min. (cd)
	ICAO: —— TKH (measured): ——

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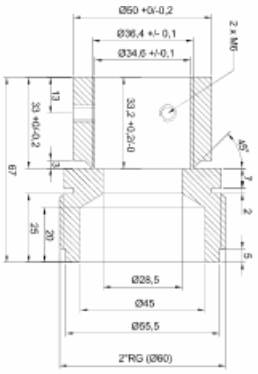
Couplings

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

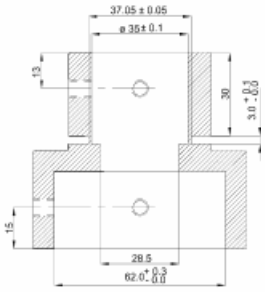
- **Type A:** With 2" thread (European standard thread or 11.5 NPT or NPS)
- **Type C:** For 2" pole mounting
- Customer designed couplings

TKH breakable coupling is calculated and tested to break at

45 kgm ± 4 kgm which is in accordance with FAA AC 150/5345-46E and ICAO ADM Part 6.



Type A



Type C

Accessories

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

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

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Ordering Code

Ordering Code	Colour	Input	Coupling Type	Fail-Open	Internal Flasher	Input Connector
RGL-921.881	Yellow/Yellow	6.6 A	A	No	Yes	FAA - L823-style 1
RGL-921.884	Red/Red	6.6 A	A	No	Yes	FAA - L823-style 1
RGL-921.885	Yellow/Yellow	6.6 A	C	No	Yes	FAA - L823-style 1
RGL-921.890	Yellow/Yellow	6.6 A	A	Yes (relay)	Yes	FAA - L823-style 1
RGL-921.891	Yellow/Yellow	6.6 A	A	Yes (signal interface)	Yes	FAA - L823-style 1
RGL-921.894	Red/Red	6.6 A	C	Yes (relay)	Yes	FAA - L823-style 1
RGL-921.895	Yellow/Yellow	6.6 A	C	Yes (relay)	Yes	FAA - L823-style 1
RGL-921.900	Yellow/Yellow	6.6 A	A	No	No	2 x FAA - L823-style 1
RGL-921.905	Yellow/Yellow	6.6 A	C	No	No	2 x FAA - L823-style 1
RGL-921.935	Yellow/Yellow	230 V - 50 Hz	A	No	Yes	FAA - L823-style 1
RGL-921.940	Yellow/Yellow	230 V - 50 Hz	C	No	Yes	FAA - L823-style 1

Other variants available on request.

Document Information

Name : 04_Runway_Guard_Light_921_03-71043
Version : V2.9
Language : English (Original manual)

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

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TKH AIRPORT SOLUTIONS

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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