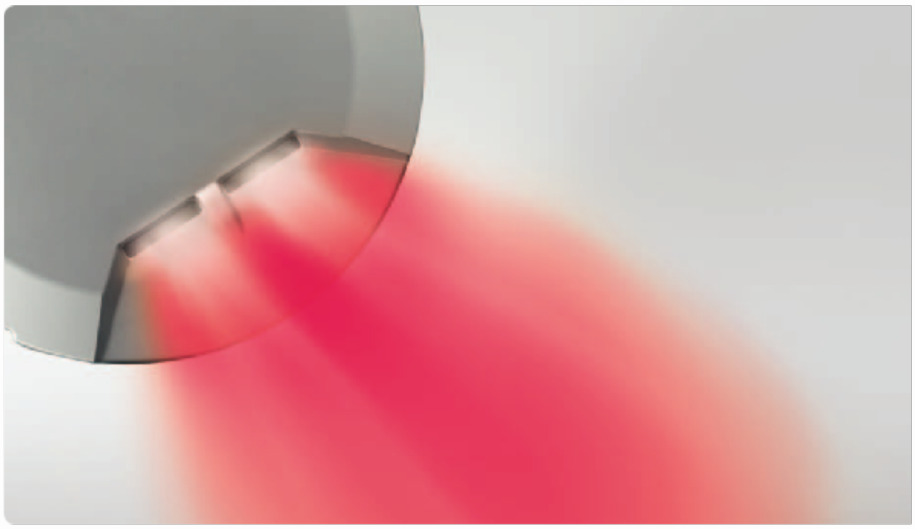
TKH AIRPORT SOLUTIONS



Datasheet

CEDD® Runway End Inset Light (RWE)

CEDD® AGL
Airfield Ground Lighting

03-70061
V1.2

General

CEDD is a smart, safe and sustainable airfield ground lighting technology. Energy and data transport are combined in a single cable. CEDD airfield lights receive their power and data by means of induction and can therefore easily and safely be installed or replaced without making electrical contact.

With up to 70% lower energy consumption compared to regular LED AGL systems, CEDD enables airfields to reduce their impact on the environment. Also, the robust design of the infrastructure is highly suitable for floating 'Follow-the-Greens'. CEDD® AGL provides a solution to face the most challenging future operational demands.

All the TKH Airport Solutions inset fixtures are available for regular 6.6A LED AGL as well as for CEDD® AGL installations. This datasheet covers the specifications of the CEDD® Runway End Inset Light (RWE).

Key Features

- 8" or 12" outer diameter
- Dust and water resistance: IP 69
- Useful lamp life (LED) up to 50,000 hours
- Certification: ICAO
- Power consumption (CEDD regulated): 8": 20 W; 12": 26 W
- Ambient temperature: -40 °C (-40 °F) / + 75 °C (+167 °F)
- Internal serial interface for diagnostics and parameterization
- Integrated single lamp control
- Intensity control: 0-100%
- Optional sapphire-coated prism

Photometric data in this datasheet (such as light distributions and chromaticities) is based on ICAO certification. FAA data, if applicable, is available upon request. Contact our sales team for more information.

Variants / Colors

- 8" Unidirectional Red
- 12" Unidirectional Red

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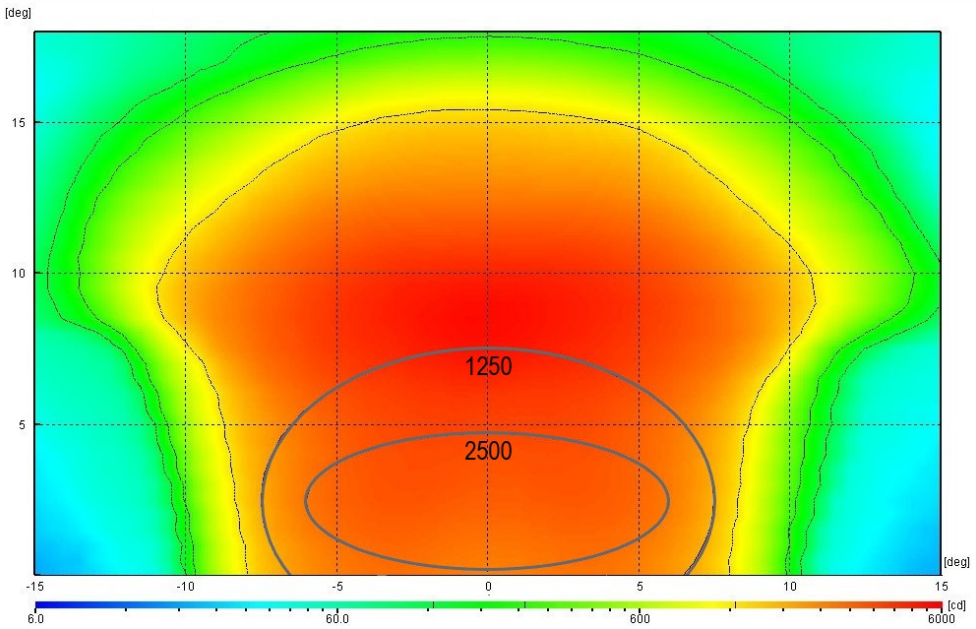
Light distributions

Red

ICAO A2-8	min. (cd)
	ICAO: TKH (measured):

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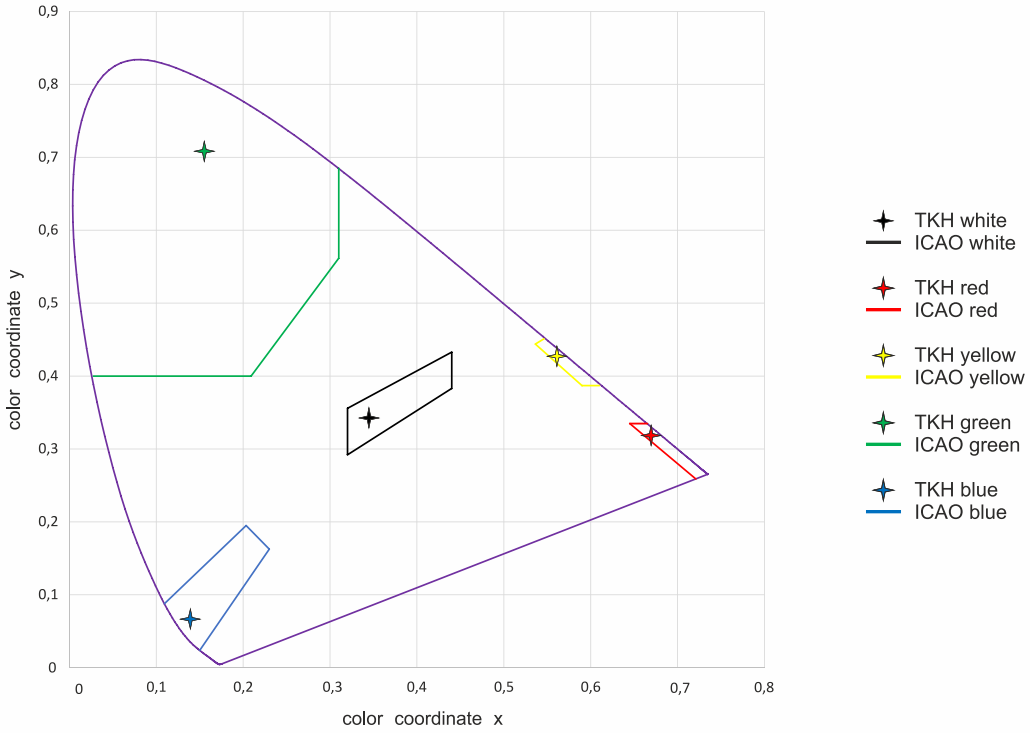
Chromaticities

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



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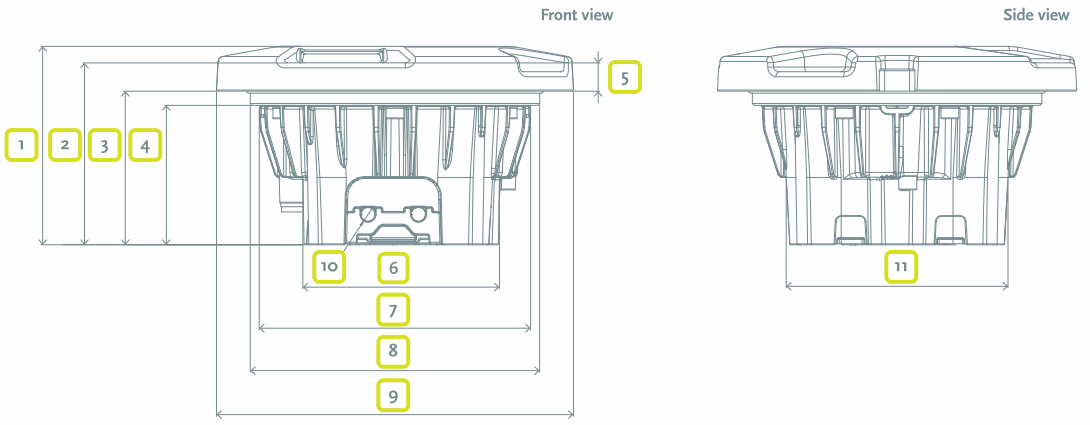
Dimensions

8" fixture

Pos.	Description	Values
1	Total height	112 mm
2	Height LED engine	102.7 mm
3	Height with flange	86.7 mm
4	Height below flange	78.7 mm
5	Flange thickness	16 mm
6	Housing bottom width	111 mm
7	Housing top diameter	153 mm
8	Flange diameter	163.5 mm
9	Cover diameter	201.7 mm
10	Cable diameter	7.9 mm (max)
11	Housing bottom width	125 mm



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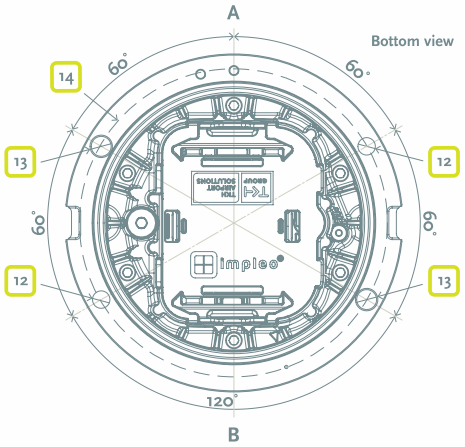
Pos.	Description	Values
12	Diameter of mounting bolt holes (2x)	Ø 10.5 mm
13	Diameter of pilot holes (2x)	Ø 10.5 mm
14	Mounting hole center line	184 mm



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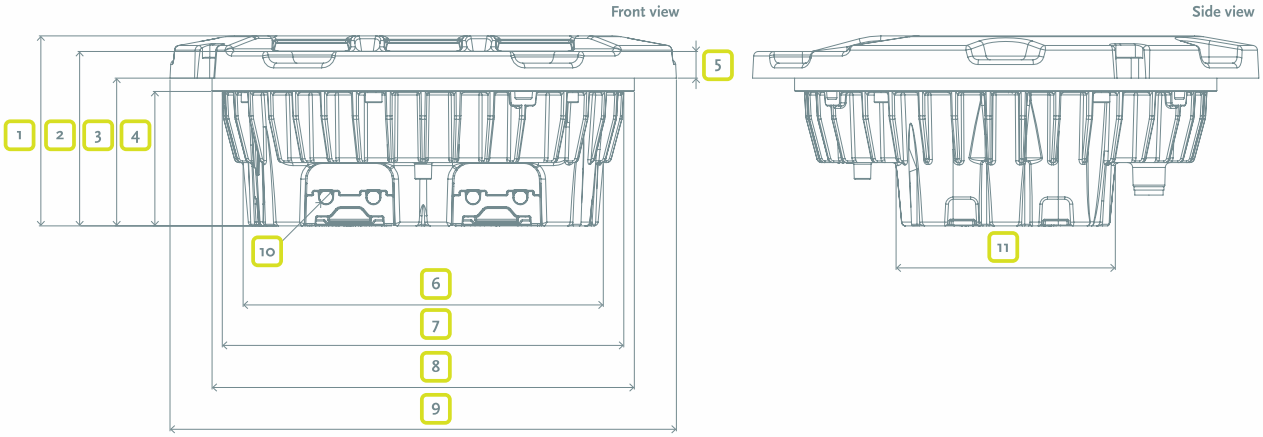
12" fixture

Pos.	Description	Values
1	Total height	119.7 mm
2	Height LED engine	105.3 mm
3	Height with flange	87.9 mm
4	Height below flange	80.2 mm
5	Flange thickness	17.4 mm
6	Bottom shell width	216 mm
7	Housing top diameter	241 mm
8	Flange diameter	252.5 mm
9	Cover diameter	304 mm
10	Cable feed through	7.9 mm (max)
11	Housing bottom width	132 mm



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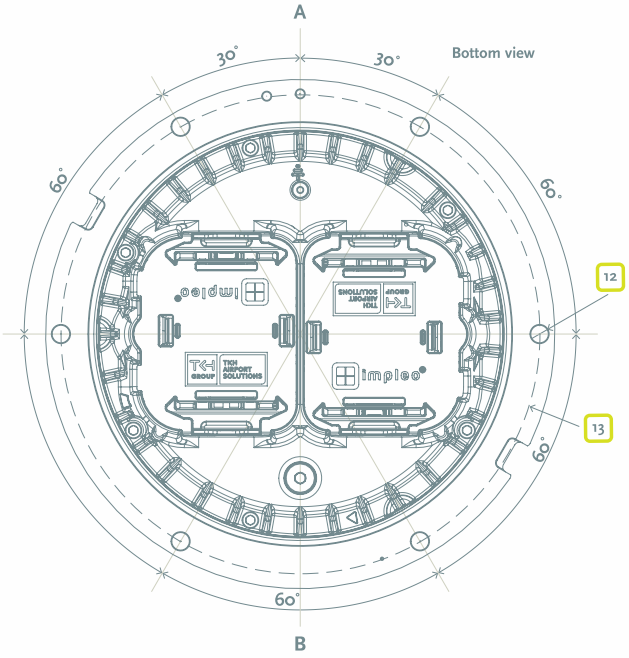
Pos.	Description	Values
12	Diameter of mounting bolt holes (6x)	Ø 10.5 mm
13	Mounting hole center line	285.7 mm ± 0.2 mm



Accessories

- Shallow base
- Installation tools

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

Packing Data

Variant	Dimensions (L x W x H) in mm	Gross weight in kg	Net weight in kg
8" Fixture	285 x 285 x 200	4.2	3.7
8" Shallow Base	215 x 215 x 130	2.7	2.5
12" Fixture	438 x 438 x 239	6.8	5.8
12" Shallow Base	320 x 320 x 150	7.5	7.1

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Ordering code CEDD® RWE

RWE - S - I - 3 2 - R 00 0 00 - 1 - 00 - 0 0 0 0

Option	Key	Description
Version		
	RWE	Runway End Light
Direction		
	S	Straight
Regulation		
	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 Flat Cover
Color A		
	R	Red
Toe-in A		
	00	No Toe-In
Color B		
	0	Blank
Toe-in B		
	00	No Toe-In
Prism		
	1	Borosilicate Prism
	2	Sapphire Prism
Cable		
	00	Not applicable (CEDD® technology)
Plug type		
	0	CEDD® inductive clamp
Fail-open		
	0	Functionality via CEDD® monitoring technology
Deicing-Kit		
	0	Not applicable
Special options		
	0	No Special Options

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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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