

TAES-12-LED | LED in-pavement runway threshold/end light - Airsafe



COMPLIANCE:

- ICAO Annex.14 Vol.1
- FAA AC 150/5345-46
- IEC61827
- EASA: CS-ADR-DSN
- STANAG 3316
- AENA PPT-010_03-12

BOARDING TIME

BOARDING PASS

NAME OF PASSANGER

FROM:

TO:

DATE

FLIGHT
GAES2020

GATE 23 SEAT 21B

GATE CLOSSES 30 MINUTES BEFORE DEPARTURE

BOARDING PASS

Uses

LED in-pavement runway threshold/end light for airports CAT I, II & III, according to ICAO, Figures A2-3 & A2-8.

Features

- 12" external diameter, with upper and lower cover manufactured on high strength forged aluminum, and only 6mm of profile over pavement.
- Stainless steel hardware.
- Uni-directional and bi-directional configuration.
- Surface treatment to prevent the wear and increase the corrosion resistance, which makes it especially resistant to dust and water.
- Smooth surface without sharpened edges to avoid damages at the aircraft tyres.
- Regulation according to FAA EB67E equivalent to a halogen lamp.
- Integrated surge protection.
- Efficient control of LEDs operating temperature, increasing the light life and avoid color change.
- High features optical design.
- Compatible with existing circuits of visual aids.

Specifications

- Power: 2.8A ~ 6.6A, according to FAA EB67D.
- Average life: minimum 60.000h at maximum brightness and 100.000h in a normal operating conditions.
- Color: Red
- Consumption: 60VA ; FP >0,95
- Index Protection: IP68.

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Order Code

TAES-12 - X - LED - GR - XX - X

Type *TAES-12 = 12" in-pavement runway threshold/end light*

*L = Left toe-in
R = Right toe-in
S = Straight*

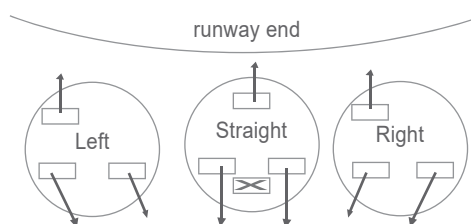
Beam direction

Light source *LED = LED lamp*

Beam color *GR = Window 1: green / Window 2: red*

Plug *1P = 1 plug
2P = 2 plugs*

Optional functions *M = Single lamp fault detection function
A = Artic Kit
D = FAA L-850D*



Installation

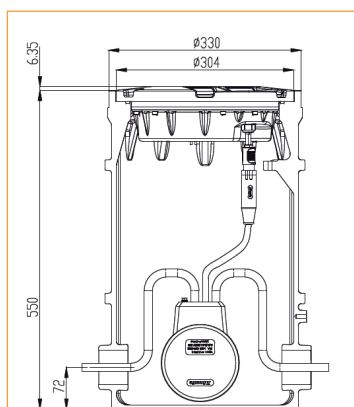


Figure 1
On 12" deep base

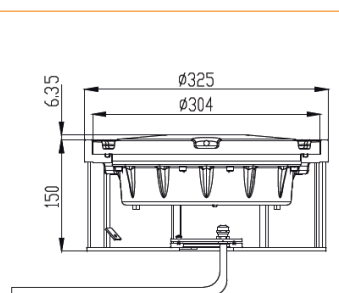
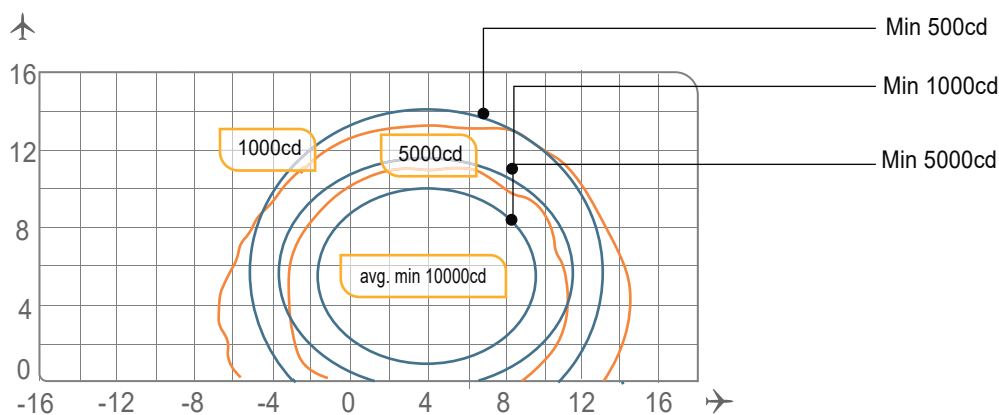


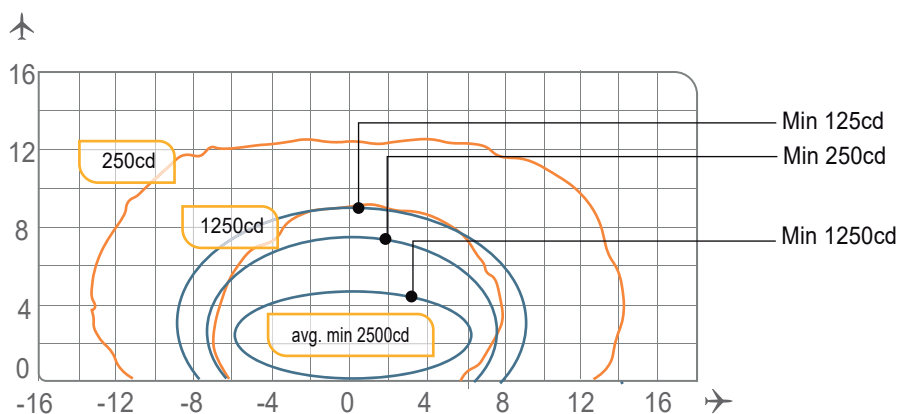
Figure 2
On 12" shallow base

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Photometry



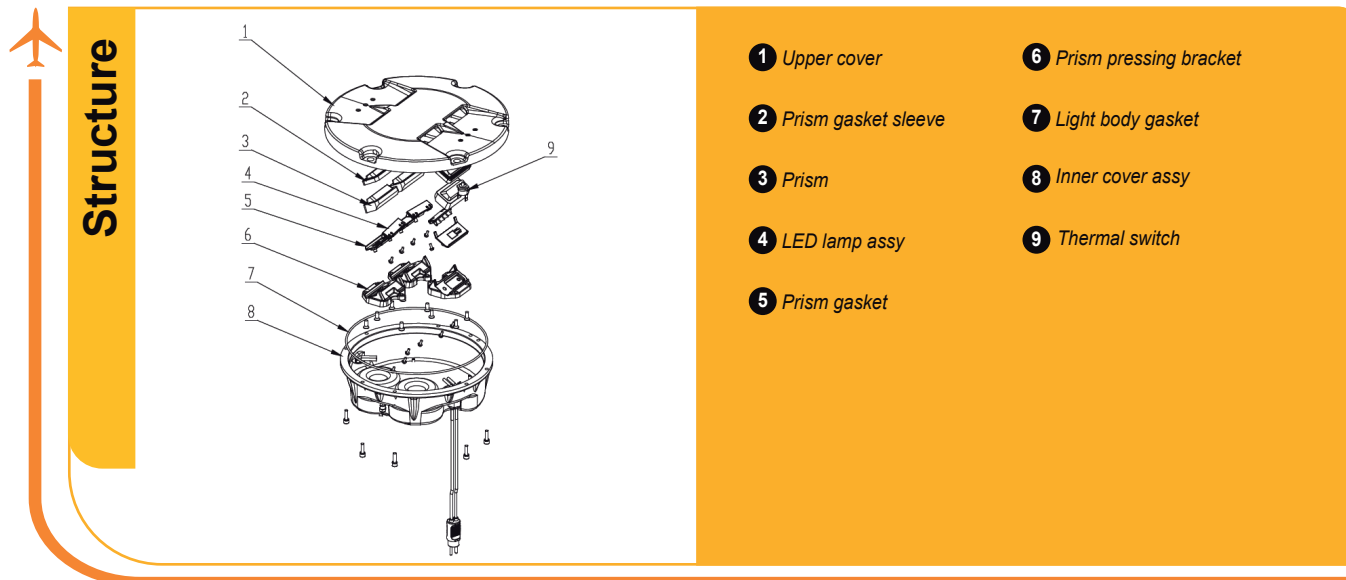
TAES-12-LED, ICAO Fig. A2-3, Green



TAES-12-LED, ICAO Fig. A2-8, Red, FAA L-850D

Application		Main beam		Color	Required min. avg. cd.	Actual avg. cd.
		H	V			
TAES-12-LED	ICAO Fig A2-3	$\pm 5,5^\circ$ (toe-in $3,5^\circ$)	1° a 10°	Green	10.000	12.836
	ICAO Fig A2-8	$\pm 6^\circ$	$0,25^\circ$ a $4,75^\circ$	Red	2.500	3.034
TAES-12-LED-D	FAA L-850D	$\pm 5,5^\circ$ (toe-in $3,5^\circ$)	1° a 10°	Green	3.300	4.164
		$\pm 6^\circ$	$0,2^\circ$ a $4,7^\circ$	Red	2.500	2.973

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Spare Parts

N°	Order No.	Description
2	43117	Prism gasket sleeve
3	31158	Prism
4	932053-THRS-G	LED lamp assy THRS-G
	932053-ENDS-R	LED lamp assy ENDS-R
5	43316	Prism gasket
6	43241	Prism pressing bracket
7	41135	Light body gasket

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Accessories

N°	Order No.	Description
1	SB-12	12" shallow base
2	DB-12	12" deep base
3	41115	12" base O-ring
4	51121	12" lamp handle
5	ITF-065-066	65W isolation transformer
6	REC7	Secondary cable connector style 7



Weight and Dimensions

	Base	12" shallow base
Packaging size	330x330x150mm ³	350x350x185mm ³
Weight	7,04 kg	15,6 kg