EBL-RE-LED | LED elevated runway edge light - Airsafe

COMPLIANCE:

- ICAO Annex 14, Vol I
- FAA AC 150/5345-46
- EB 67 D
- UNE IEC-TS 61827
- EASA CS-ADR-DSN
- STANAG 3316
- AENA PPT-016_06-12

GATE CLOSES 30 MINUTES BEFORE DEPARTURE

GAES 454843121451100

BOARDING TIME

GOMINTEC BOARDING PASS GOMINTEC

BOARDING PASS

NAME OF PASSANGER

FROM:

TO:

DATE

FLIGHT GAES2020

GATE 23

SEAT 21B

Uses

LED elevated runway edge light for airports CAT I, II & III, according to ICAO Fig A2-9 & A2-10.

Features

· Robust body built on high strength aluminum alloy, anti-corrosion treatment and excellent thermal dissipation.
· Reduced height to minimize the jet blast impact.
· Stainless steel hardware to grant the waterproof and corrosion resistance.
· Glass diffuser with high resistance to the temperature and abrasion.
· Long-life and robust design to guarantee the waterproof of the equipment over the years.
· Integrated electronic encapsulated in epoxy resin.
· Compatible with existing serial circuits without need of changing the isolation transformers.
· Regulated light output.
· Optional “Fail Open” monitoring device.
· Integrated surge protection.
· Efficient control of LEDs operating temperature, increasing the light life and avoiding color change.
· Saturated LED colors ensuring clear indentification of the lights at all brightness levels and any viewing angle.
· The long-life of the equipments, with low maintenance and consumption, involve directly a reduction of operational costs.
· Optional anti-birds device available.

Specifications

- Power: 2.8A ~ 6.6A, according to FAA EB67.
- Average life: minimum 60.000h at maximum brightness and 100.000h in a normal operating conditions.
- Color: White, Yellow and Red
- Consumption: ≤ 36VA, FP > 0.95
- Index Protection: IP67
- Installation 45W isolation transformer

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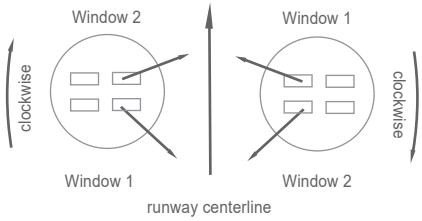
Order Code

EBL-RE - LED - XX - X

Type
EBL-RE = elevated runway edge light

Light source
LED

Beam color
YC = Window 1: yellow I Window 2: white
CY = Window 1: white I Window 2: yellow
CC = Window 1: white I Window 2: white
CR = Window 1: white I Window 2: red
RC =Window 1: red I Window 2: white



Optional functions
M = Single lamp fault detection function

Installation

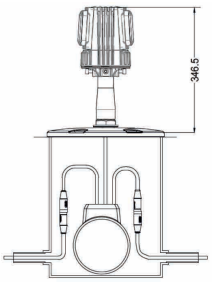


Figure 1
On 12” deep base

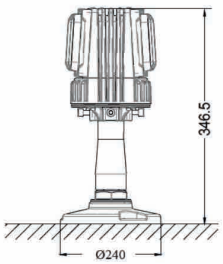


Figure 2
Flange direct mount

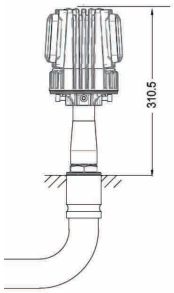


Figure 3
Embeded pipe mount

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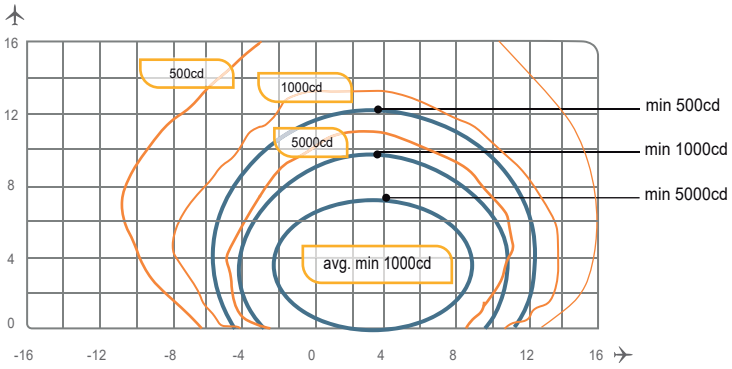
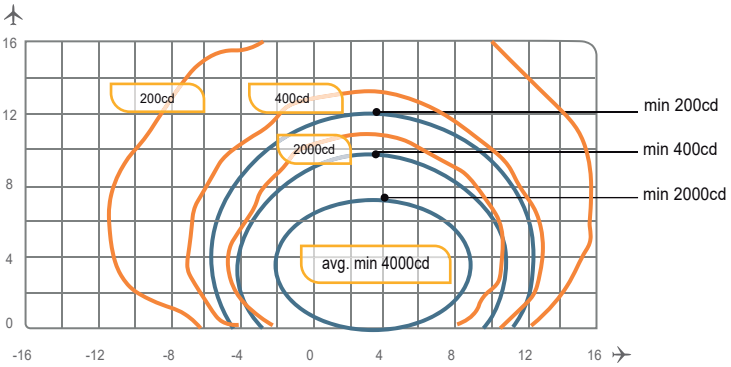
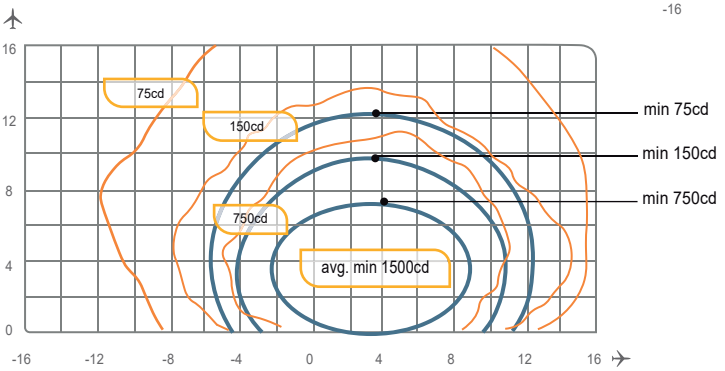
Photometry



EBL-RE-LED, ICAO Fig A2-9, White



EBL-RE-LED, ICAO Fig A2-9, Yellow



EBL-RE-LED, ICAO Fig A2-9, Red

Application		Main beam H	Main beam V	Color	Required min. avg. cd.	Actual avg. cd.
EBL-RE-LED	ICAO Fig. A2-9 FAA L-862 (Toe-in 3,5º)	± 5,5º	0 a 7º	White	10.000	11.982
		± 5,5º	0 a 7º	Yellow	4.000 / 5.000	9.273
		± 5,5º	0 a 7º	Red	1.500 / 2.000	2.523
	ICAO Fig. A2-10 (Toe-in 4,5º)	± 6,5º	0 a 7º	White	10.000	10.392
		± 6,5º	0 a 7º	Yellow	4.000	8.928
		± 6,5º	0 a 7º	Red	1.500	2.411

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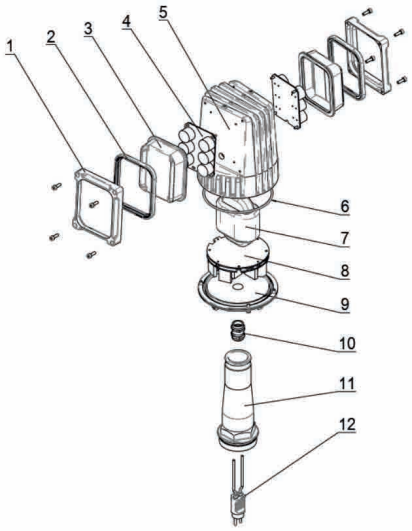
Structure



1. Front cover
2. Optical cover gasket
3. Optical cover
4. LED lamp assy
5. Light body
6. Light body gasket
7. Transformer
8. Driver assy
9. Light body holder
10. Waterproof gland
11. Frangible pole
12. Plug

Spare Parts

Nº	Order No.	Description
1	24135	Front cover
2	41149	Optical cover gasket
3	3110A	Optical cover
4	79243-C	LED lamp assy - white
	79243-R	LED lamp assy - red
	79243-Y	LED lamp assy - yellow
5	241K1	Light body
6	41161	Light body gasket
7	BR45-11346	Transformer
8	979143	Driver assy
9	241J1	Light body holder
10	48404	Waterproof gland
11	24211	Frangible pole
12	HT70603	Plug

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Accessories

Nº	Order No.	Description
1	276A1	Flange 240mm
2	27683	Flange 304mm (FAA standard)
3	54101	Hex wrench for frangible pole od elevated lights
4	946478	Calibrator assy
5	70703	Secondary cable receptacle style 7
6	ITF-045-066	45W isolation transformer
7	TJB-12	Isolation transformer housing

Weight and Dimensions

• ***Packaging size***	*220x220x265 mm³*
• ***Weight***	*17,9 kg*