Airsafe

EBL-RE-LED

LED Elevated Runway Edge Light

Compliance with Standards

CAAC：AC-137-CA-2015-01&03
SAC: GB/T 7256
ICAO: Annex 14, Volume I
IEC: TS 61827
FAA: AC 150/5345-46 & EB NO.67
NATO: STANAG 3316

Application/Use

Runway edge light

Features

- LED is featured by long life, effective energy saving, maintenance-free, which brings enormous economic benefits to customer

- Consistent dimming curve with halogen lamp fixture, complying with FAA standards

- Strict LED color management to ensure premium color consistency

- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture

- Power factor above 0.9, which minimizes the power network interference

- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails

- Compact structure and attractive appearance, with small windward area and strong wind resistance capability

- The main body is made of aluminum alloy with anti-corrosion surface treatment, all fasteners are made of stainless steel, suitable for various harsh environment applications

- High-precision parts and components machining to ensure all dimensional quality and accuracy

- Forged frangible device with precise machining, complying with FAA standards, ensuring good stability and reliability

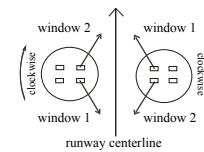- IP65-grade ingress protection of the fixture, keep interior from dust

Ordering Information

EBL-RE-LED-XX-X

Type
  EBL-RE=Elevated Runway Edge Light

Light Source
  LED=LED lamp

Beam Color

window 2   window 1
clockwise   clockwise
window 1   window 2
runway centerline

  YC=Winow 1: yellow window 2: white
  CY=Winow 1: white window 2: yellow
  CC=Both windows: white
  CR=Winow 1: white window 2: red
  RC=Winow 1: red window 2: white

Optional Function

  M=Single lamp fault detection function

∗ Please provide detailed installation info while ordering, spare parts and accessories should be separately ordered with specific order no.
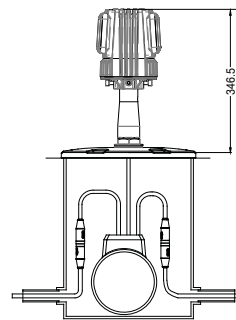
Installation

346.5

346.5

310.5
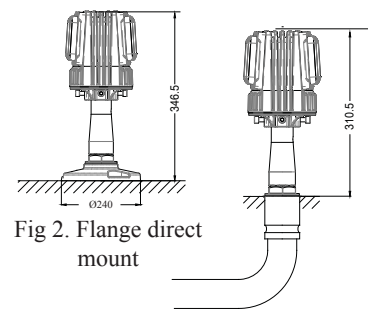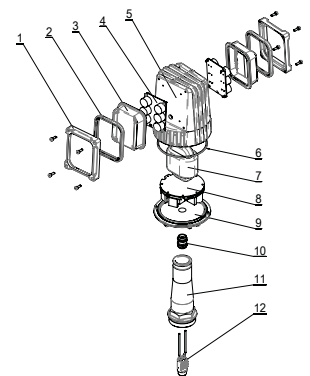
Ø240

Fig 1. On 12" deep base

Fig 2. Flange direct mount

Fig 3. Embeded pipe mount

* Please find detailed information in installation manual
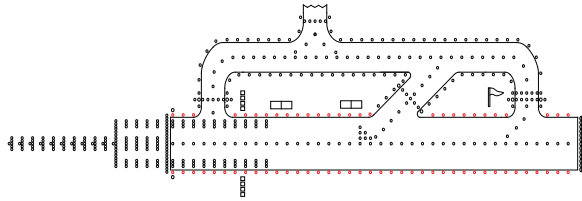
Structure

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
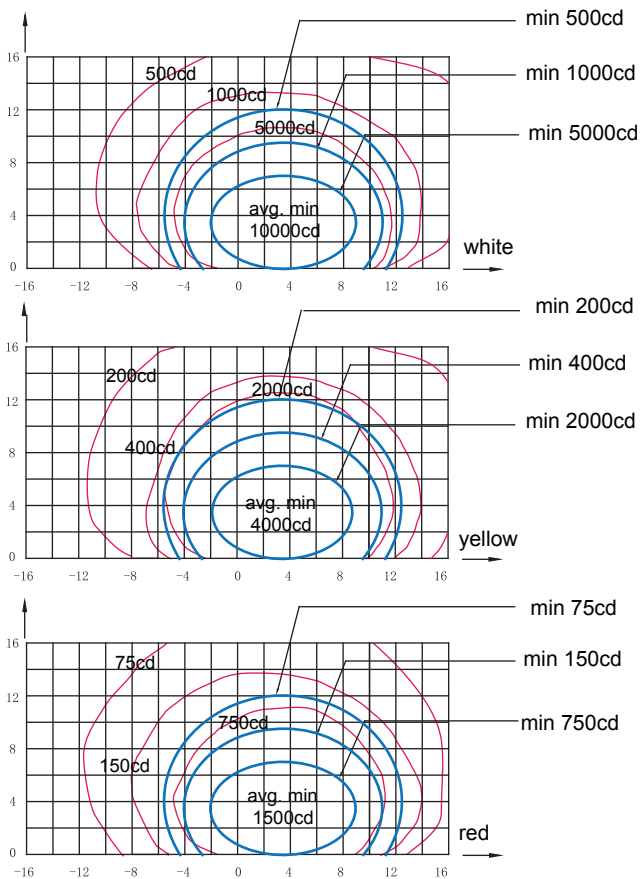12. plug

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■ EBL-RE-LED

■ LED Elevated Runway Edge Light

Specifications

Light source: 12 Clear/Red/Yellow LED particles per side
Power: 36 VA
Power factor：≥ 0.9
IP grade：IP65

Photometric Data

white

min 500cd
min 1000cd
min 5000cd

yellow

min 200cd
min 400cd
min 2000cd

red

min 75cd
min 150cd
min 750cd

EBL-RE-LED, ICAO Figure A2-9, FAA L-862

Application		Main Beam		Color	Required min avg. cd	Actual avg. cd
		H	V			
EBL-RE-LED	ICAO Figure A2-9/ FAA L-862	±5.5° (Toe-in 3.5°)	0°—7°	White	10000	11982
				Yellow	4000/5000	9273
				Red	1500/2000	2523
	ICAO Figure A2-10	±6.5° (Toe-in 4.5°)	0°—7°	White	10000	10392
				Yellow	4000	8928
				Red	1500	2411

Packing Data

4 lights
Unit net weight: 4.2 kg

Size: 220×220×265 mm³
Gross weight: 17.9 kg

Spare Parts

Struc No.	Part Name	Order No.	Description
1	front cover	24135	optical cover bracket ring
2	optical cover gasket	41149	front glass seal gasket LED
3	optical cover	3110A	for LED runway edge light - front glass
4	LED lamp assy	79243-C	LED light source 85×63.5 white
		79243-R	LED light source 85×63.5 red
		79243-Y	LED light source 85×63.5 yellow
5	light body	241K1	for bidirectional LED lights
6	light body gasket	41161	"O" ring seal 106×3
7	transformer	BR45-11346	r-core transformer 45W
8	driver assy	979143	PCB-Approach light-12X(Assy)
9	light body holder	241J1	light body holder
10	waterproof gland	48404	waterproof gland MG18×1.5
11	frangible pole	24211	frangible pole
12	plug	HT 70603	secondary cable connector - Style 6 HT

Accessories

Description	Order No.
flange 240mm	276A1
flange 304mm (FAA standard)	27683
hex wrench for frangible pole of elveated lights	54101
calibrator assy	954211
secondary cable receptacle - style 7	70703
45-watt isolation transformer	ITF-045-066
isolation transformer housing	TJB-12