

LED AIRFIELD LIGHTING



Bidirectional Elevated LED-Lotus Series RUNWAY EDGE

- ELB-REH(L) Runway Edge Lights

Compliance with Standards (current version)

ICAO	Annex 14, Volume 1, & Aerodrome Design Manual
EASA	CS-ADR-DSN
IEC	TS 61827
FAA	AC150/5345-46 & Engineering Brief NO. 67
AENA	DIN-DSEYN-PPT
TCCA	TP 312
CASA	MOS Part 139
UK CAA	CAP 168

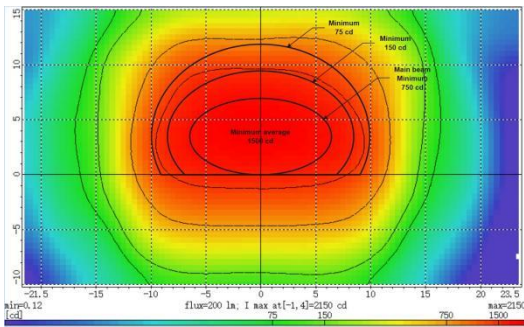
KEY FEATURES

- Unique simplifies design for LED, modular structure, and excellent heat dissipation.
- Contains an omnidirectional circling guidance module
- Including the installation angle adjustment mechanism, Ensure the horizontal installation of the light at different horizontal slopes.

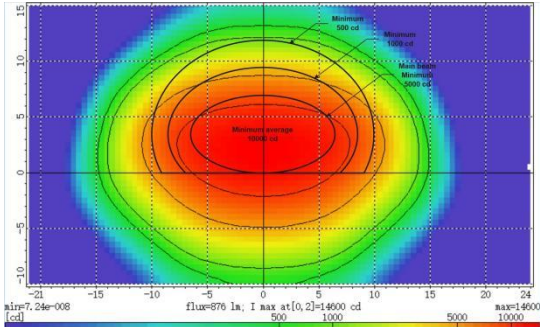
TECHNICAL DATA

MECHANICS		
Diameter	173.4mm	
Height	217mm	
Packing Dimensions	360mm×225mm×350mm （2pcs/package）	
Net Weight	2.6kg	
Gross Weight	5.8kg （2pcs/package）	
ENVIRONMENTAL		
Operating Temperature	-55℃ - +55℃	
Storage Temperature	-55℃ - +85℃	
Humidity	0-100%	
Protection Class (Dust/Liquids)	IP67 （IEC 60598-1）	
Surge	6KV, 3KA （IEC 61000-4-5）	
ELECTRICAL		
Connection	FAA L823 Class A, Type II ,Style 6, one Connector	
Power Input	2.8-6.6A _{eff} AC	
Power Factor (Nominal)	> 0.9	
Power Consumption (Nominal)	REH-O-Yellow/Red	17W
	REH-O-White/Yellow	23W
	REH-O-White/White	24W
	REH-O-White/Red	18W
	REH-Yellow/Red	12W
	REH-White/Yellow	18W
	REH-White/White	19W
	REH-White/Red	13W
Fail Open	Optional	

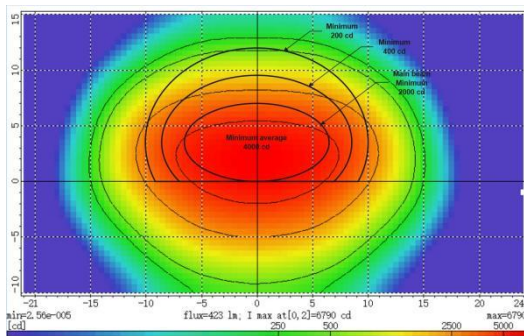
OPTICAL



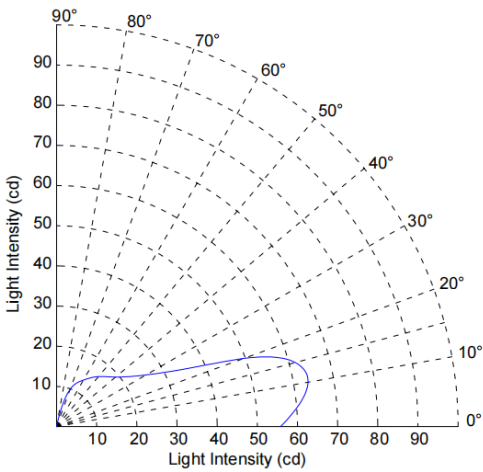
ELB-REH-Red



ELB-REH-White

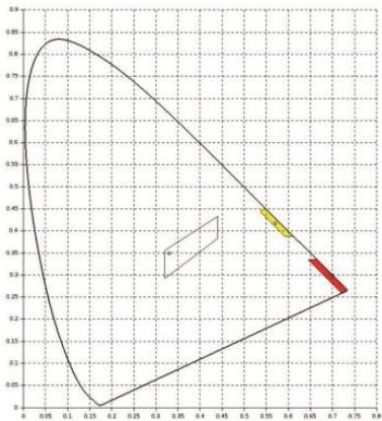


ELB-REH-Yellow

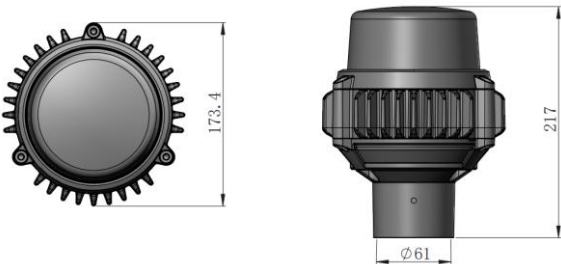


ELB-REH-Omni White

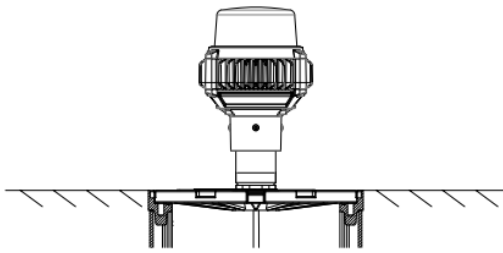
COLOR COORDINATES



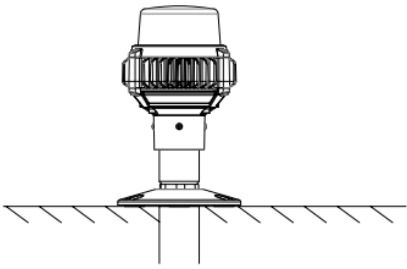
DESIGN



INSTALLATION



Light On 12" Deep Base



Light On Base plate

ORDERING CODE

Light Structure

ELB: Elevated Bidirectional Light

Function / Application

REHO^①: Runway Edge Lights (With Circling Guidance Light)

REH: Runway Edge Lights

Circling Guidance Light Intensity^②

A: The light intensity is constant 50 cd (Step1 ~ Step5)

B: The light intensity is constant 25 cd (Step1 ~ Step3), and the light intensity is constant 50 cd (Step4 ~ Step5)

C: The light intensity is adjustable with the intensity ratios

Color^③

YR: Yellow/Red, RY: Red/Yellow, WY: White/Yellow, YW: Yellow/White, WW: White/White, WR: White/Red, RW: Red/White

Inputs

1: Single Input

Fail Open

FOM: Fail Open Manual-reset

FON: No Fail Open

Coupling^④

0: No coupling

1: Coupling (OD=60mm)

Base plate^⑤

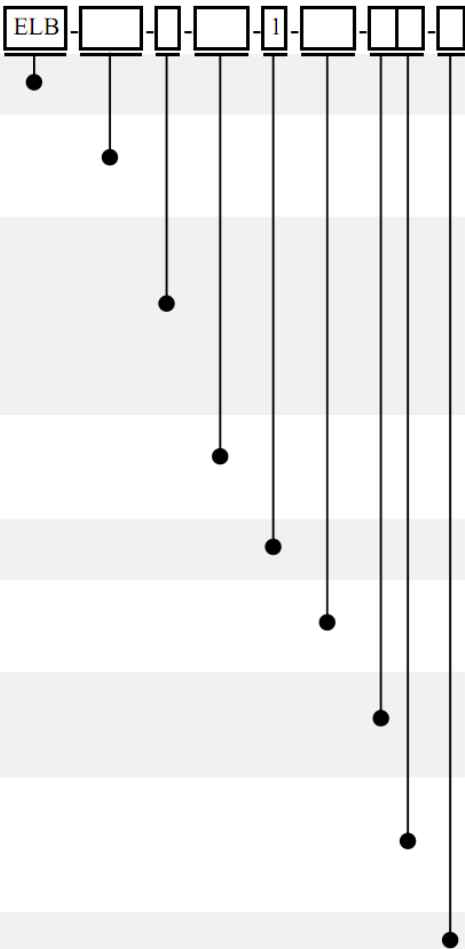
0: No base plate

1: Base plate Ø187mm

2: Base plate Ø304mm

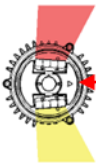
Version

Customize: This option is not filled in by default, unless otherwise required



ORDERING CODE NOTES

① With Circling Guidance Light, as shown in Figure 1.



Circling Guidance Light

Figure 1

② If "REH" has been selected previously, this section may be left unfilled.

③ We can provide color codes including RY, YR, WY, YW, RW, WR, WW, as shown in Figure 2.

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- The difference between YR and RY is the different Toe-in direction

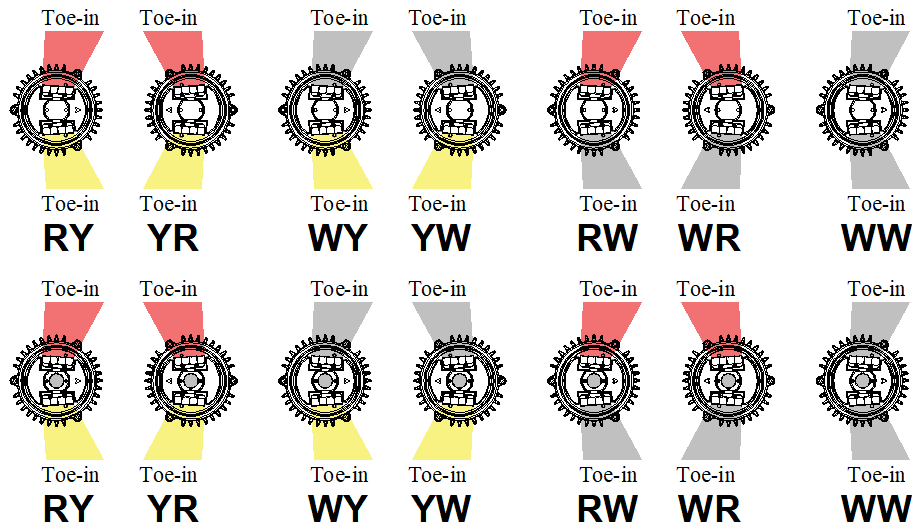


Figure 2 (Overlook View)

④ Figure 3: Coupling.

⑤ Figure 4: Base plate.



Figure 3

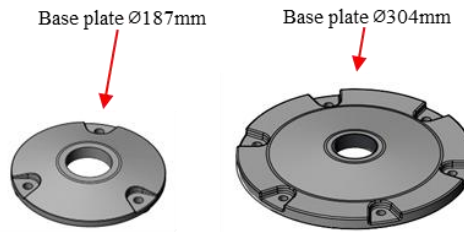


Figure 4