

LED AIRFIELD LIGHTING



Unidirectional Elevated Light-Alien Series THRESHOLD / THRESHOLD WING BAR/ RUNWAY END

- ELA-THR(L) Runway Threshold Lights
- ELA-TWB(L) Runway Wing Bar Lights
- ELA-RWE(L) Runway End 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

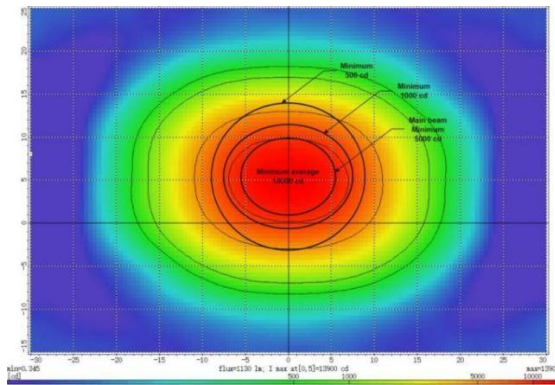
KEY FEATURES

- Unique miniaturized design for LED, modular structural, and excellent heat dissipation
- Unique optical system design, precision photometry, and high light efficiency
- Independent triaxial angle adjustment with calibration instrument, high precision

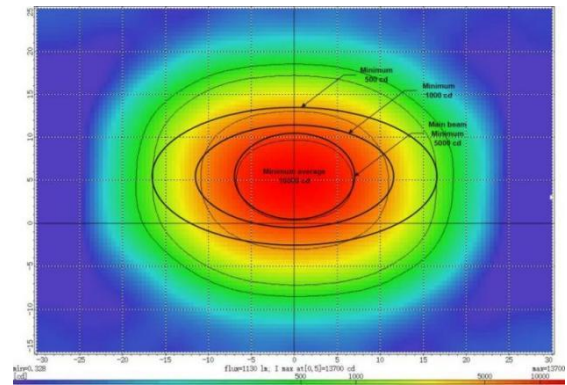
TECHNICAL DATA

MECHANICS		
Width	152mm	
Height	257mm	
Packing Dimensions	360mm×225mm×350mm (2pcs / Package)	
Net Weight	2.3kg	
Gross Weight	5.2kg (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 1, one Connector	
Power Input	2.8-6.6A _{eff} AC	
Power Factor (Nominal)	> 0.9	
Power Consumption (Nominal)	THR-Green	18W
	TWB-Green	18W
	RWE-Red	10W
Fail Open	Optional	

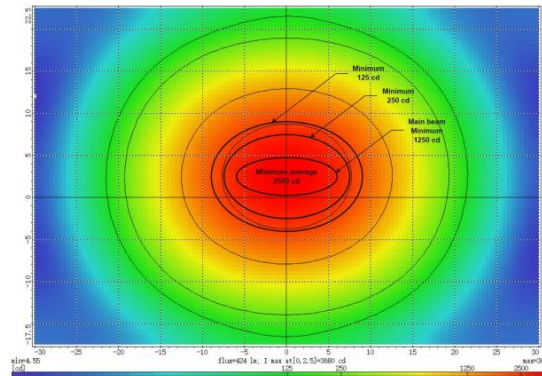
OPTICAL



ELA-THR-Green

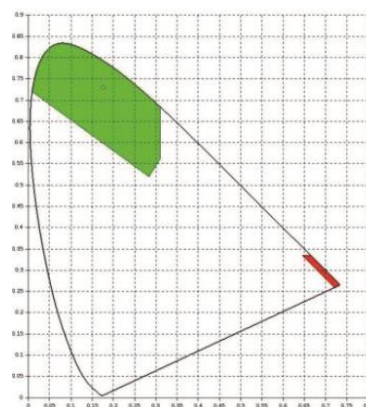


ELA-TWB-Green

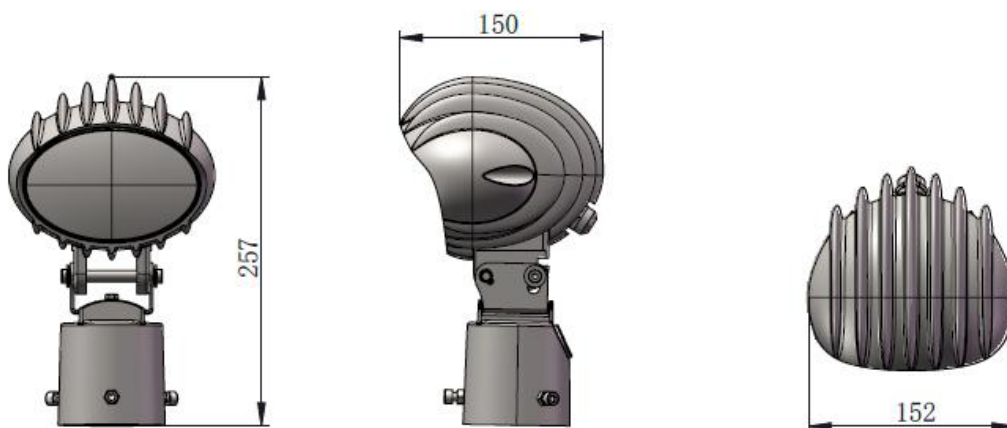


ELA-RWE-Red

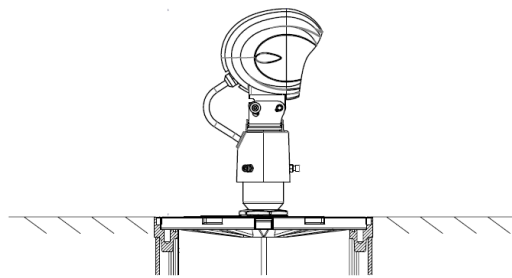
COLOR COORDINATES



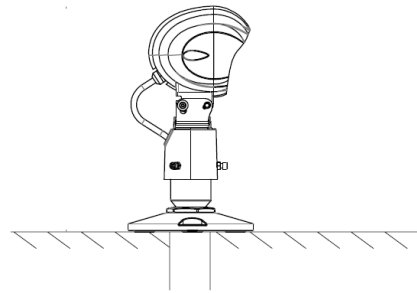
DESIGN



INSTALLATION



Light On 12" Deep Base



Light On Base Plate

ORDERING CODE

Light Structure

ELA: Elevated Unidirectional Light

Function / Application

THR: Runway Threshold Lights

TWB: Threshold Wing Bar Lights

RWE: Runway End Lights

Color^①

G0: Green, R0: Red

Inputs

1: Single Input

Fail Open

FOM: Fail Open Manual-reset

FON: No Fail Open

Coupling^②

0: No coupling

1: Coupling (OD=60mm)

Base plate^③

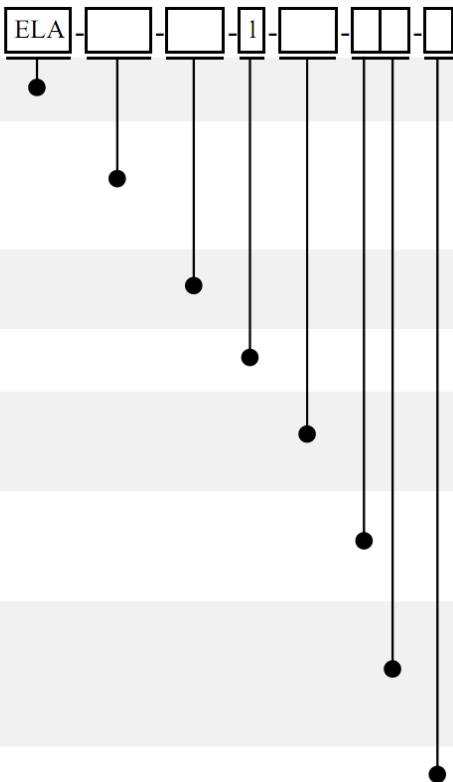
0: No base plate

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 We can provide color codes including R0, G0, as shown in Figure 1.
- ② Figure 2: Coupling.
- ③ Figure 3: Base plate.

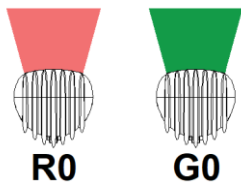


Figure 1 (Overlook View)



Figure 2

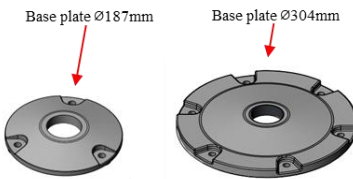


Figure 3