

LED AIRFIELD LIGHTING



8" LED Inset Light-Stingray Series TAXIWAY CENTER LINE / STOP BAR / INTERMEDIATE HOLDING POSITION / RUNWAY TURN PAD / NO-ENTRY BAR

- ILA-TCLS(L) Taxiway Center Line Lights-Straight
- ILA-TCLC(L) Taxiway Center Line Lights-Curved
- ILA-STBS(L) Stop Bar Lights
- ILA-IHPS(L) Intermediate Holding Position Lights
- ILA-RTPLS(L) Runway Turn Pad Lights-Straight
- ILA-RTPLC(L) Runway Turn Pad Lights-Curved
- ILA-NEB(L) No-entry Bar 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

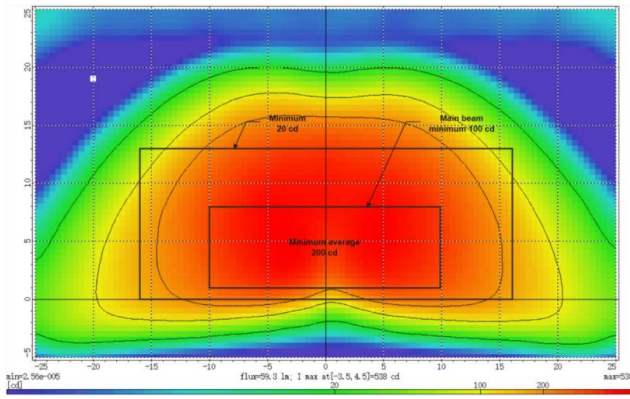
KEY FEATURES

- Ultra-Flat surface-Only 3.5mm above surface
- Structure, reliable electrical, excellent static load and impact resistance
- Reinforced prism, excellent optical performance, high strength,hardness,wear resistance
- Reinforced cover has high temperature resistance, wear resistance and corrosion resistance
- Construct dexterity-can fit the halogen light shallow base
- Precise optical design and construction, effective and accurate realization of optical configuration requirements
- Different types of individual light control and monitoring system(ILCMS) can be applied
- The Arctic Kit function is optional

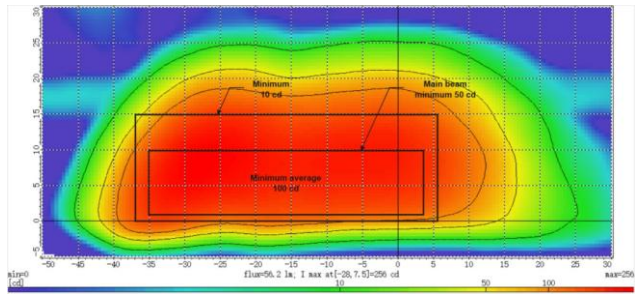
TECHNICAL DATA

MECHANICS						
Diameter	203mm					
Flange Thickness	19mm					
Height Above Surface	3.5mm					
Static Load Resistance	20t					
Shear Load Resistance	1.7t					
Packing Dimensions	250mm×235mm×110mm					
Net Weight	2.8kg					
Gross Weight	3.2kg					
ENVIRONMENTAL						
Operating Temperature	-55℃ - +55℃					
Storage Temperature	-55℃ - +85℃					
Humidity	0-100%					
Protection Class (Dust/Liquids)	IP68 (IEC 60598-1)					
Surge	6KV, 3KA (IEC 61000-4-5)					
ELECTRICAL						
Connection	FAA L823 Class A, Type II ,Style 6, one or two Connectors					
Power Input	2.8-6.6A _{eff} AC					
Power Factor (Nominal)	> 0.9					
Power Consumption (Nominal)	TCLS- Yellow/ Yellow-S	without Arctic Kit	9.5W	TCLC- Yellow/ Yellow-S	without Arctic Kit	9.5W
		with Arctic Kit	19.5W		with Arctic Kit	19.5W
	TCLS- Green/ Green-S	without Arctic Kit	7.5W	TCLC- Green/ Green-S	without Arctic Kit	7.5W
		with Arctic Kit	17.5W		with Arctic Kit	17.5W
	TCLS- Yellow/ Green-S	without Arctic Kit	8.5W	TCLC- Yellow/ Green-S	without Arctic Kit	8.5W
		with Arctic Kit	18.5W		with Arctic Kit	18.5W
	TCLS- Yellow/ Yellow-D	without Arctic Kit	7.5W/7.5W	TCLC- Yellow/ Yellow-D	without Arctic Kit	7.5W /7.5W
		with Arctic Kit	17.5W/17.5W		with Arctic Kit	17.5W/17.5W
	TCLS- Green/ Green-D	without Arctic Kit	6.5W/6.5W	TCLC- Green/ Green-D	without Arctic Kit	6.5W/6.5W
		with Arctic Kit	16.5W/16.5W		with Arctic Kit	16.5W/16.5W
	TCLS- Yellow/ Green-D	without Arctic Kit	7.5W/6.5W	TCLC- Yellow/ Green-D	without Arctic Kit	7.5W /6.5W
		with Arctic Kit	17.5W/16.5W		with Arctic Kit	17.5W/16.5W
	RTPLS-Green	without Arctic Kit	6.5W	RTPLC-Green	without Arctic Kit	6.5W
		with Arctic Kit	16.5W		with Arctic Kit	16.5W
STBS-Red	without Arctic Kit	7W	IHPS-Yellow	without Arctic Kit	7.5W	
	with Arctic Kit	17W		with Arctic Kit	17.5W	
NEB-Red	without Arctic Kit	6.5W				
	with Arctic Kit	16.5W				
Fail Open	Optional					

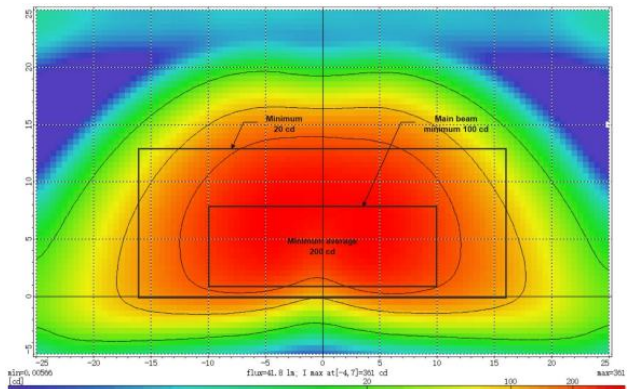
OPTICAL



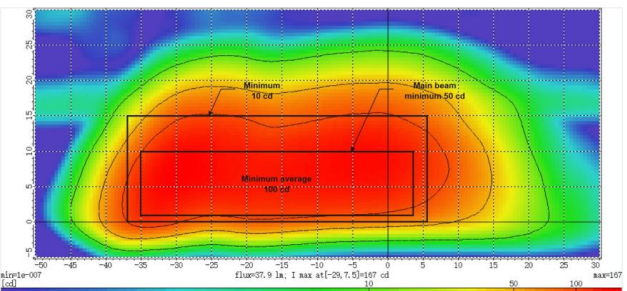
ILA-TCLS/RTPLS-Green



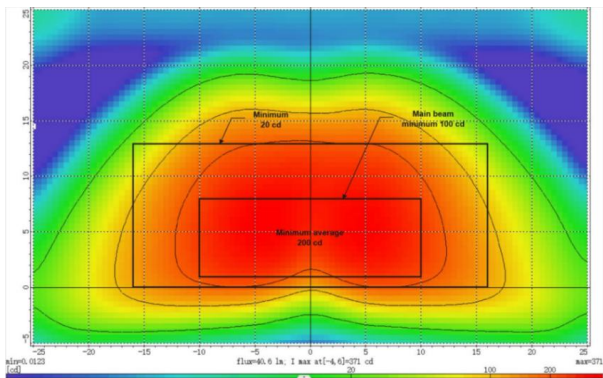
ILA-TCLC/RTPLC-Green



ILA-TCLS/IHPS-Yellow

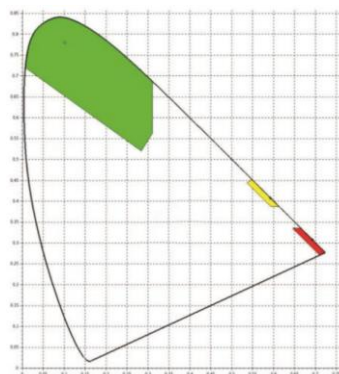


ILA-TCLC-Yellow

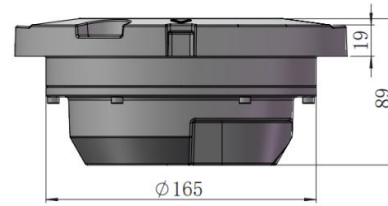
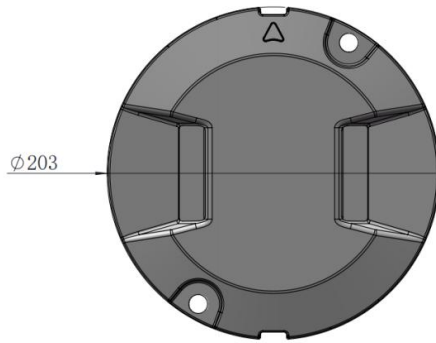


ILA-STBS/NEB-Red

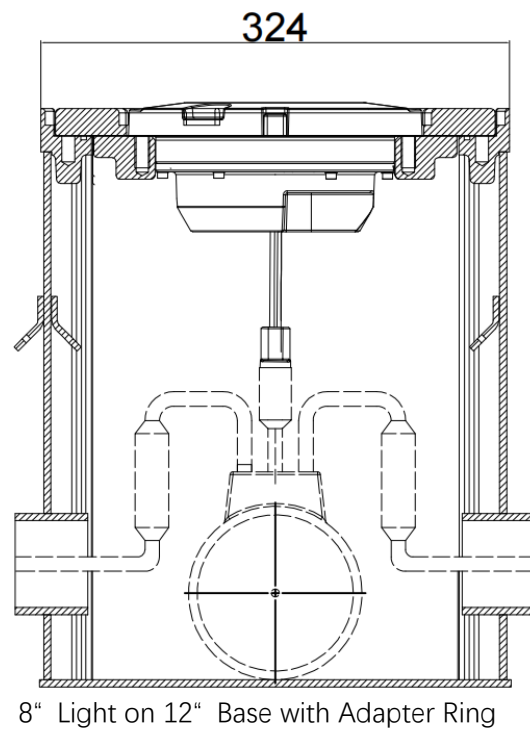
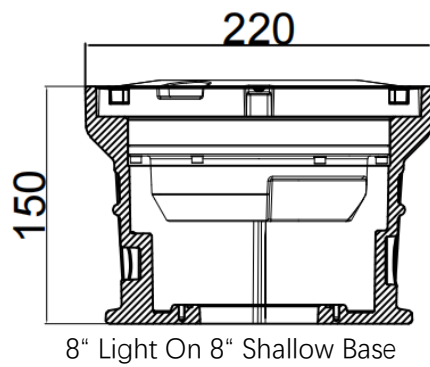
COLOR COORDINATES



DESIGN



INSTALLATION



ORDERING CODE

Light Structure

ILA: Inset 8" Light

Function / Application

TCLS: Taxiway Center Line Lights-Straight

TCLC: Taxiway Center Line Lights-Curved

STBS: Stop Bar Lights-Straight

STBC: Stop Bar Lights-Curved

IHPS: Intermediate Holding Position Lights-Straight

IHPC: Intermediate Holding Position Lights-Curved

RTPLS: Runway Turn Pad Lights-Straight

RTPLC: Runway Turn Pad Lights-Curved

NEBS: No-entry Bar Lights-Straight

NEBC: No-entry Bar Lights-Curved

Color^①

YY: Yellow/Yellow, GG: Green/Green, YG: Yellow/Green, GY: Green/Yellow

R0: Red, G0: Green, Y0: Yellow, G1: Green Left Toe-in, G2: Green Right Toe-in,

Y1: Yellow Left Toe-in, Y2: Yellow Right Toe-in, R1: Red Left Toe-in, R2: Red Right Toe-in,

Inputs

1: Single Input

2: Dual Input

Fail Open

FOM: Fail Open Manual-reset

FON: No Fail Open

Prism

C: Conventional Prism

R: Reinforced Prism

Top Cover

S: Standard Cover

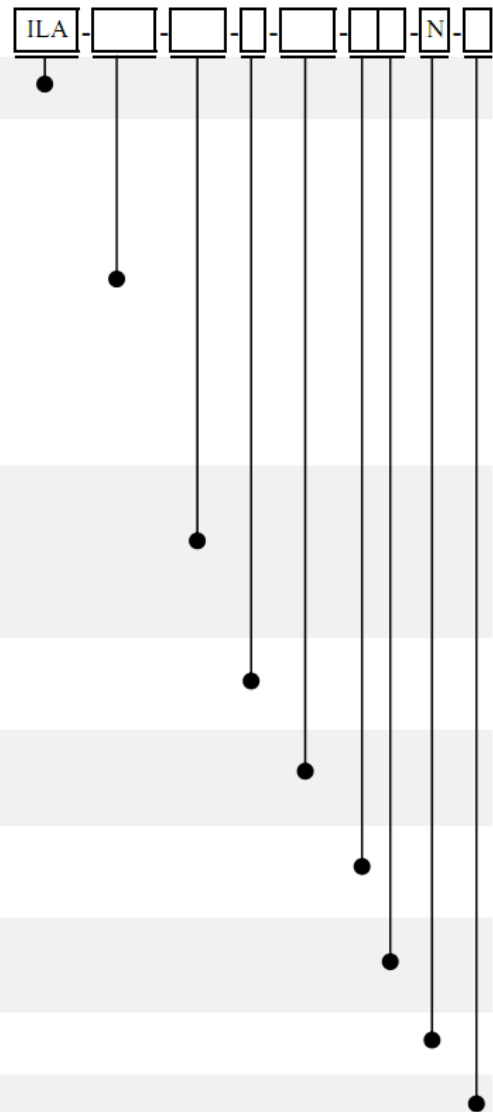
R: Reinforced Cover

Ground Pole

N: Ground Pole Only

Version

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



ORDERING CODE NOTES

- ① We can provide color codes including YY, GG, YG, GY, R0, G0, Y0, R1, R2, G1, G2, Y1, Y2, as shown in Figure 1
 - Order GG or YY light, please notice application section is straight or curved
 - The difference between GY and YG is the different Toe-in direction

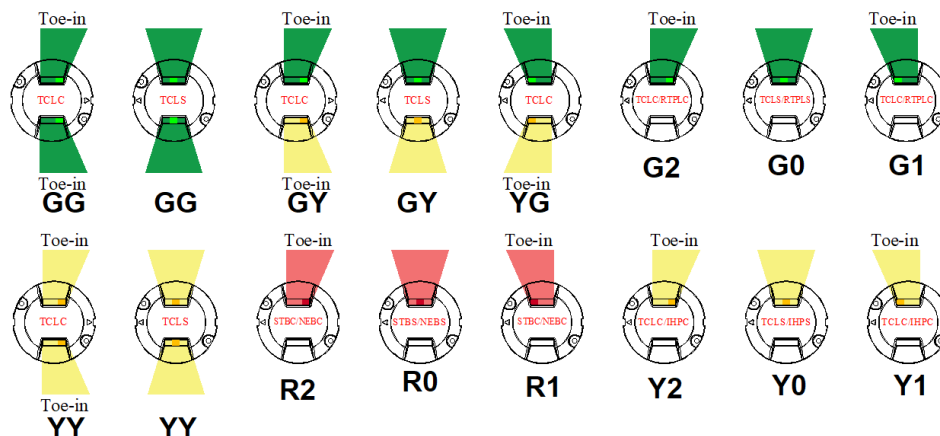


Figure 1 (Overlook View)