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- IP68: Dust-tight and protected against submersion in water.
- Designed with few mechanical parts, resulting in a more affordable price and allowing for longer maintenance intervals.
- Fully dimmable lights. The light output is variable, similar to a traditional halogen light, operating within the 2.8 A to 6.6 A range.
- Low protrusion, Style 3 inset light fixtures.
- The electronics are fully encapsulated.
- Optimized LED performance ensures there are no visual flickers.
- The Dome is designed with no negative slope in front of the prism.
- Built-in voltage surge and lightning protection.

INSTALLATION

Light fixture can be installed in 12-inch Shallow Base & Deep Base.

**refer to the user manual DC-MN-IN-12*

COMPLIANCE With

ICAO	Annex 14 - Volume I
EASA	CS-ADR-DSN
FAA	AC150/5345-46 & EB No.67D
IEC	TS 61827
NATO	STANAG 3316
CAA	CAP 168
IAAE	TP312

APPLICATIONS

- Approach Centerline and Crossbars
- Approach Side Row Barrettes
- Threshold Wing Bar

FEATURES & BENEFITS

- LED Unidirectional 12"
- Average LED life of 60,000 hours at full intensity but over 100,000 hours in typical operating conditions.
- Very low energy consumption compared to halogen lights, resulting in a lower range of CCRs and transformers.
- Low life cycle costs due to the long LED lifespan.
- Operates on 3-step or 5-step ferroresonant or thyristor CCRs.
- In compliance with FAA & EASA standards.
- Fully compatible with existing Airfield Lighting infrastructure. Installation on the same mounting device as most conventional lights for a straightforward replacement.

ENVIRONMENTAL CONDITIONS

- **Temperature:** -45 °C to +55 °C
-49 °F to +131 °F
- **Humidity:** Up to 100%

DIMENSIONS & WEIGHT

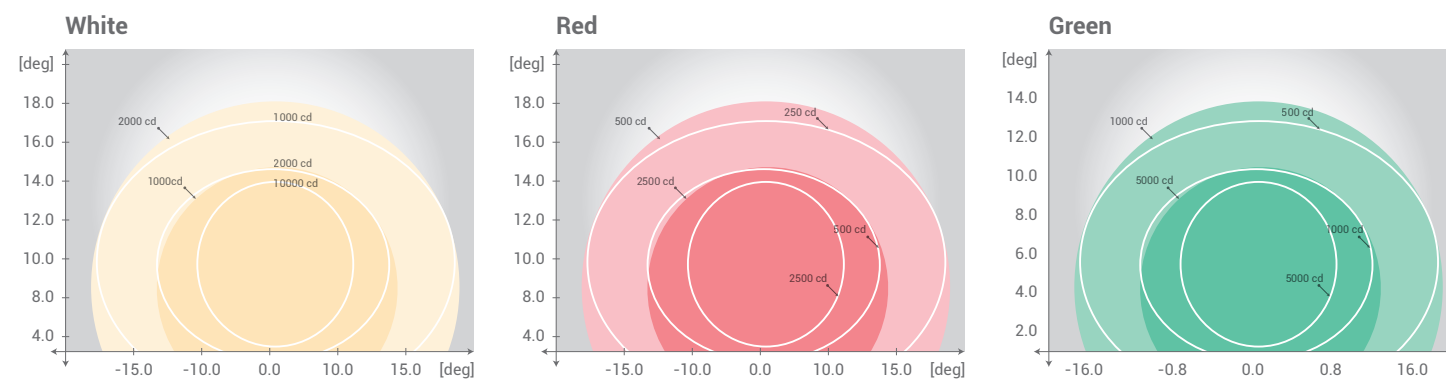
- **Diameter:** 304 mm
- **Depth:** 106mm
- **Weight:** 8.3 kg

MAIN COMPONENTS OF THE LIGHT UNIT

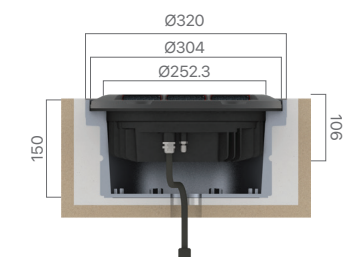
01. Dome (Upper Cover)
02. Prism Gasket
03. Prism
04. Prism holder gasket
05. Prism holder
06. TIR
07. LED PCB
08. Heatsink
09. O-Ring for dome (internal)
10. O-Ring for lower cover
11. Lower cover with electronics
12. Gland with accessories
13. Valve for watertightness test
14. Plug(lead wire)



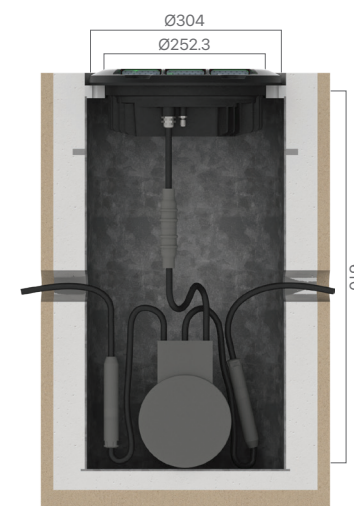
PHOMETRIC PERFORMANCE



INSTALLATION SECTION



Shallow Base 12"



Deep Base 12"

ELECTRICAL TABLE

TYPE	Consumption at 6.6A	Power Factor	
	1 Plug	2.8A	6.6A
Approach White (W/O Heater)	73 VA	0.96	0.98
Approach White (With Heater)	113 VA	0.96	0.98
Approach Red (W/O Heater)	61 VA	0.96	0.98
Approach Red (With Heater)	101 VA	0.96	0.98
Threshold Wing Bar (W/O Heater)	73 VA	0.96	0.98
Threshold Wing Bar (With Heater)	113 VA	0.96	0.98

IN-AP - AC - W - S - M - H

12" Inset Light Type For Approach & Wing Bar

Application

- AC : Approach Centerlines, Cross Bars
- AS : Approach Side Rows
- WB : Wing Bar

Color

- W : White (AC)
- R : Red (AS)
- G : G (WB)

Toe in

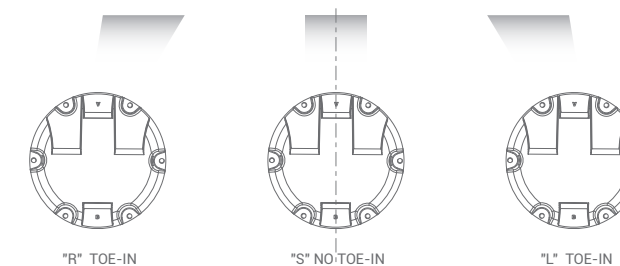
- S : Straight
- L : Left
- R : Right

Monitoring

- M : With Monitoring
- Q : Without Monitoring

Heater

- H : With Heater
- C : Without Heater



THRESHOLD