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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

ENVIRONMENTAL CONDITIONS

Temperature: -45 °C to +55 °C
-49 °F to +131 °F

Humidity: Up to 100%

DIMENSIONS & WEIGHT

Diameter: 304 mm

Depth: 106 mm

Weight: 8.3 kg

COMPLIANCE

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

FEATURES & BENEFITS

- LED Bidirectional 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.

APPLICATIONS

- Runway Edge

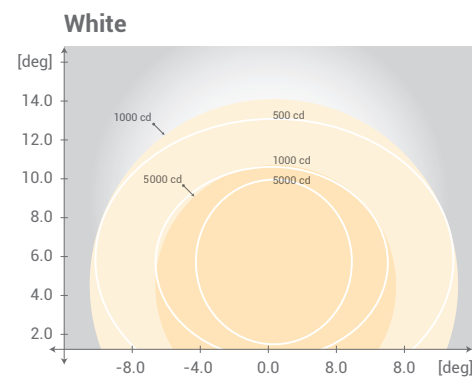


MAIN COMPONENTS OF THE LIGHT UNIT

- 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)



PHOTOMETRIC PERFORMANCE



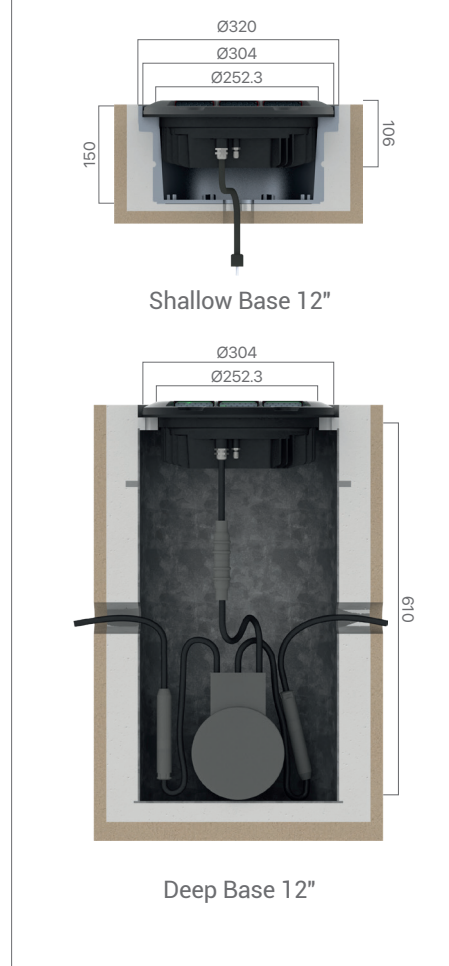
POWER CONSUMPTION		
Electrical System	1 Plug	2 Plugs
Unidirectional Without Heater	31 VA	-
Unidirectional With Heater	71 VA	-
Bidirectional Without Heater	65 VA	62 VA
Bidirectional With Heater	105 VA	142 VA

** Measured at 6.6 A and referred to the highest consumption configuration*

POWER FACTOR		
Input Step	2.8A	6.6A
Power Factor	0.96	0.98

SHIPPING WEIGHTS & VOLUMES		
	Light Unit	Shallow Base
Weight(kg)	9.1	7.3
Volume(m³)	0.022	0.022

INSTALLATION SECTION



IN-RE - WY - 1P - M - C

12" Inset Light Type for Runway Edge

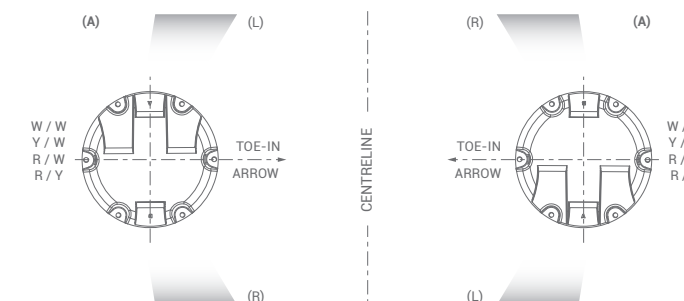
Color(Side L)/(Side R)
 • W : White
 • R : Red
 • Y : Yellow
 • N : None (unidirectional)

Cable and connectors
 1P : One Plug
 2P : Two Plugs

Monitoring
 Q : Without Monitoring
 M : With Monitoring

Heater
 C : Without Heater
 H : With heater

* The beam aiming is not field adjustable



THRESHOLD