



- Fully dimmable light, the light output is like the curve of traditional halogen lights.
- Low protrusion, Style 3 inset light fixtures
- The electronics are fully encapsulated
- Optimized LED performance show no visual flicker
- Built-in voltage surge and lightning protection
- The Dome designed with no negative slope in front of the prism

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:** 106mm
- **Weight:** 7.3 kg

COMPLIANCE With

ICAO	Annex 14 - Volume I
EASA	CS-ADR-DSN
FAA	L-850E(L) AC150/5345-46 and EB No.67
IEC	TS 61827
NATO	STANAG 3316
CAA	CAP 168
IAAE	TP312

APPLICATIONS

- Touchdown Zone

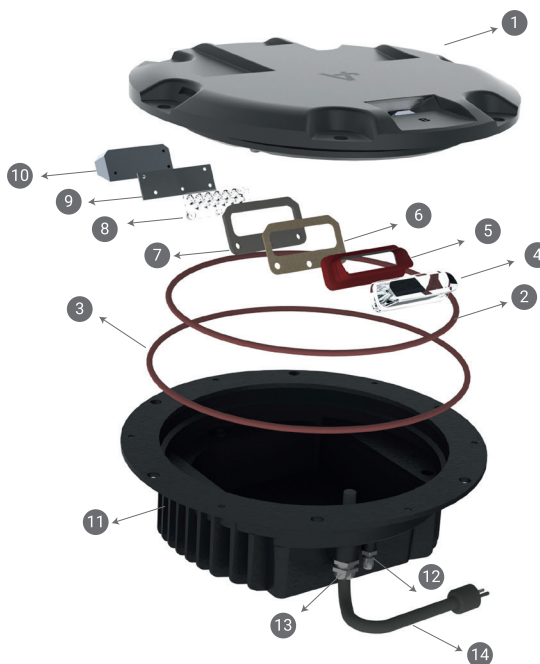
FEATURES & BENEFITS

- LED Unidirectional 12"
- LED lamp's lifespan depending on operating conditions is about 50,000 to 100,000 hours or 5 to 10 years.
- Low energy consumption compare to the Halogen types, which means lower loads, lower range of CCRs and transformers.
- Operates on 3 or 5 steps ferroresonant or thyristor CCRs are in compliance with IEC or FAA standards.
- Full compatibility with existing airfield lighting infrastructure. Installation on same mounting device as most conventional lights, for a straightforward replacement.
- IP68: Dust-tight & protected against submersion in water
- Designed with few mechanical parts which make it easier, cheaper and allowing longer intervals to maintenance

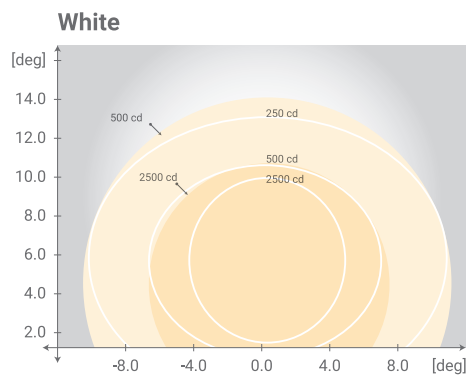
COMPONENTS

- 1 : Dome (Upper Cover)
- 2 : O-Ring for dome
- 3 : O-Ring for lower cover
- 4 : Prism
- 5 : Prism Gasket
- 6 : Prism Holder Gasket
- 7 : Prism Holder
- 8 : Optical Lens
- 9 : LED module
- 10 : Heat Sink
- 11 : Lower cover with electronic
- 12 : Valve for watertightness test
- 13 : Cable Gland
- 14 : Plug

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



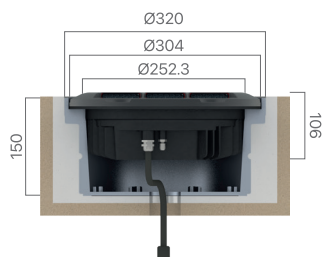
PHOTOMETRIC PERFORMANCE



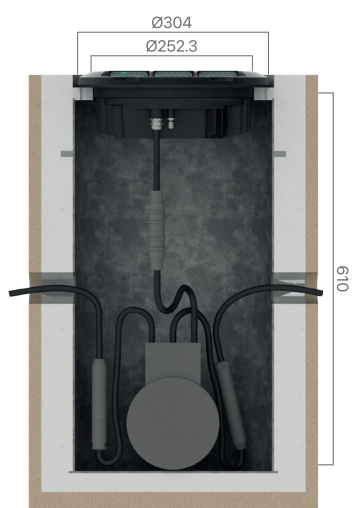
ELECTRICAL TABLE

TYPE	Consumption at 6.6A	Power Factor	
	1 Plug	2.8A	6.6A
Unidirectional (w/o Heater)	20 VA	0.96	0.98
Unidirectional (with Heater)	60 VA	0.96	0.98

INSTALLATION SECTION



Shallow Base 12"



Deep Base 12"

12" Inset Light Type For Runway Touchdown Zone

Toe-in

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

Mounting Assembly

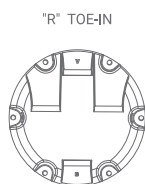
- N : No mounting assembly
- R : with Adaptor Ring (8" - 12")

Monitoring

- M : with Monitoring
- Q : without Monitoring

Heater

- H : with Heater
- C : without Heater



"R" TOE-IN

CENTER LINE



"L" TOE-IN

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