



- 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:** 9.1 kg

### COMPLIANCE with

<b>ICAO</b>	Annex 14 - Volume I
<b>EASA</b>	CS-ADR-DSN, Book 1, Fig. U-13, U-14
<b>FAA</b>	L850-C(L) AC46-5345/150 and EB No.67
<b>IEC</b>	TS 61827
<b>NATO</b>	STANAG 3316
<b>CAA</b>	CAP 168
<b>IAAE</b>	TP312
<b>CASA</b>	Manual of Standards Part 139

### APPLICATIONS

- Runway Edge

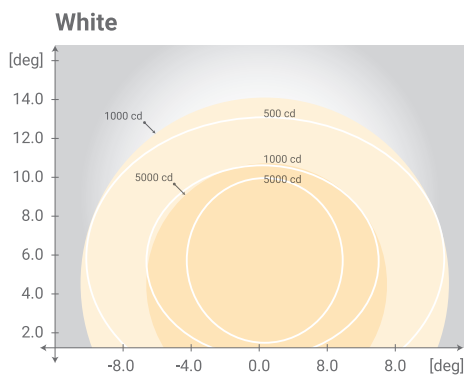
### FEATURES & BENEFITS

- LED Bidirectional 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

#### MAIN COMPONENTS OF THE LIGHT UNIT

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

#### PHOTOMETRIC PERFORMANCE



#### POWER CONSUMPTION\*

Electrical System	1 Plug	2 Plugs
Unidirectional (w/o Heater)	31 VA	-
Unidirectional (with Heater)	71 VA	-
Bidirectional (w/o Heater)	65 VA	62 VA
Bidirectional (with Heater)	105 VA	142 VA

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

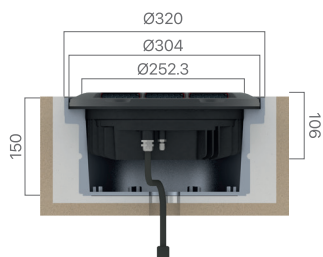
#### POWER FACTOR

Input Step	2.8A	6.6A
Power Factor	0.96	0.98

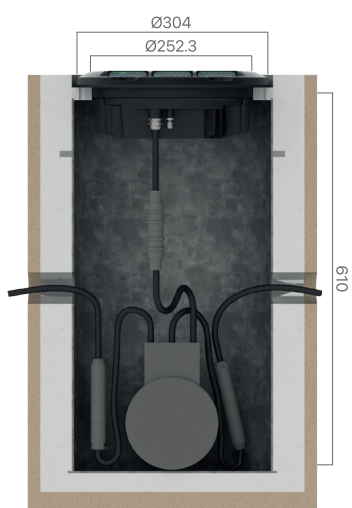
#### SHIPPING WEIGHTS & VOLUMES

	Light Unit	Shallow Base
Weight(kg)	9.1	7.3
Volume(m³)	0.022	0.022

#### INSTALLATION SECTION



Shallow Base 12"



Deep Base 12"

12" Inset Light **Type** for Runway Edge

**Color(Side L)/(Side R)**

- **W** : White
- **G** : Green
- **R** : Red
- **Y** : Yellow
- **.** : None (unidirectional)

**Cable and connectors**

- 1P** : One Plug
- 2P** : Two Plugs

**Monitoring**

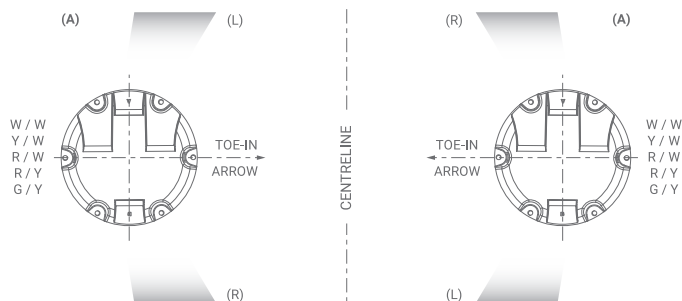
- Q** : Without Monitoring
- M** : With Monitoring

**Heater**

- C** : without Heater
- H** : with heater

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

\* The beam aiming is not field adjustable



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