



- 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 8-inch Shallow Base & Deep Base , or 12-inch bases by an Adaptor Ring.

*\*refer to the user manual DC-MN-IN-R-08*

### Environmental Conditions

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

Humidity: Up to 100%

### COMPLIANCES With

ICAO	Annex 14 - Volume I
EASA	CS-ADR-DSN, Book 1
FAA	L850-A-T(L) AC46150/5345- and EB No.67
IEC	TS 61827
NATO	STANAG 3316
CAA	CAP 168
TCCA	TP312
CASA	Manual of Standards Part 139

### APPLICATIONS

- Runway centreline
- R.E.T.I.L.

### Features and Benefits

- LED Bidirectional 8"
- 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

### Dimensions and Weight

Diameter: 214 mm

Depth: 106mm

Weight: 3.7 kg

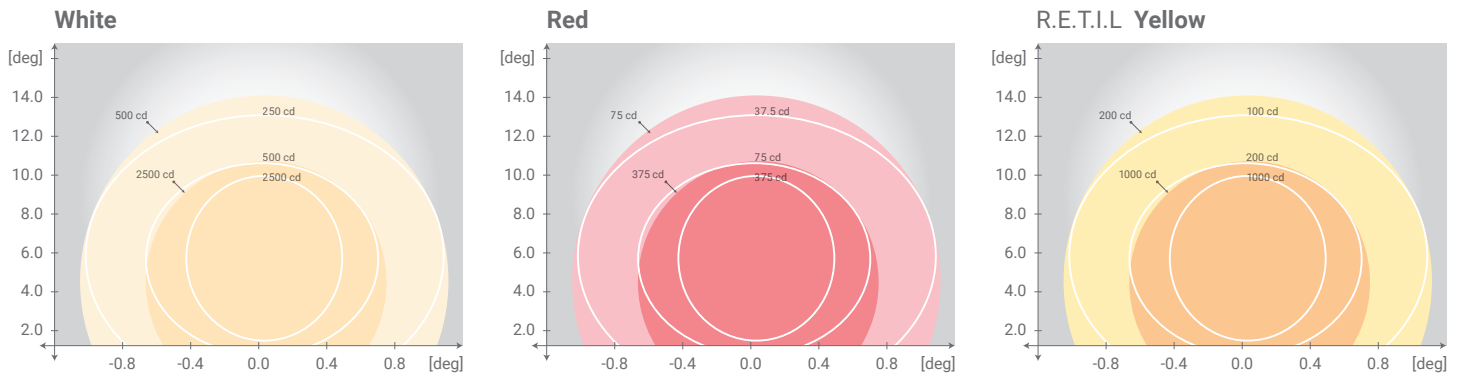
### Components

- 1 : Dome ( Upper Cover )
- 2 : O-Ring for dome
- 3 : Prism Gasket
- 4 : Prism
- 5 : Prism holder gasket
- 6 : Prism holder
- 7 : Reflector and Led Module
- 8 : Bracket
- 9 : Lower cover with electronic
- 10 : Lower cover gasket
- 11 : Gland
- 12 : Plug

\*Refer to the user manual DC-MN-IN-R-08



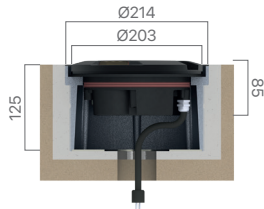
### PHOMETRIC PERFORMANCE



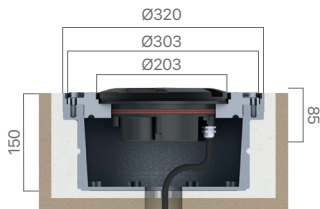
### ELECTRICAL TABLE

TYPE	Consumption at 6.6A		Power Factor	
	1 Plug	2 Plug	2.8A	6.6A
Unidirectional (w/o Arctic Kit)	16 VA	-	0.96	0.98
Unidirectional (with Arctic Kit)	36 VA	-	0.96	0.98
Bidirectional (w/o Arctic Kit)	29 AV	32 AV	0.96	0.98
Bidirectional (with Arctic Kit)	49 AV	72 AV	0.96	0.98

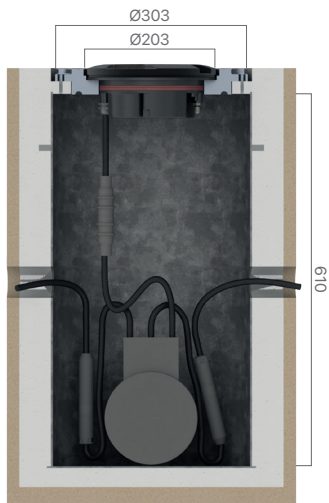
### INSTALLATION SECTION



Shallow Base 8"



Shallow Base 12"



Deep Base 12"

**IN-RC** **RC** **WW** **1P** **N** **M** **H**

Inset Light Type For Runway Centerline

#### Application

- RC : Runway Centerline
- ET : Rapid Exit Taxiway Indicator (RETIL)

#### Color ( Left Side / Right Side )\*

- W : White
- G : Green
- R : Red
- Y : Yellow
- 0 : None ( Unidirectional )

#### Cable & Connectors

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

#### Mounting Assembly

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

#### Monitoring

- M : with Monitoring
- Q : without Monitoring

#### Heater

- H : with Heater
- C : without Heater