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AviaSafe

# IN-RN

LED Inset Runway End Light

## COMPLIANCE

| | |
|---|---|
| **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

- Runway End

## 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.
- Operates on 3 or 5 steps ferroresonant or thyristor CCRs are in compliance with IEC or FAA standards.
- 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.
- 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.

*Rrefer 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

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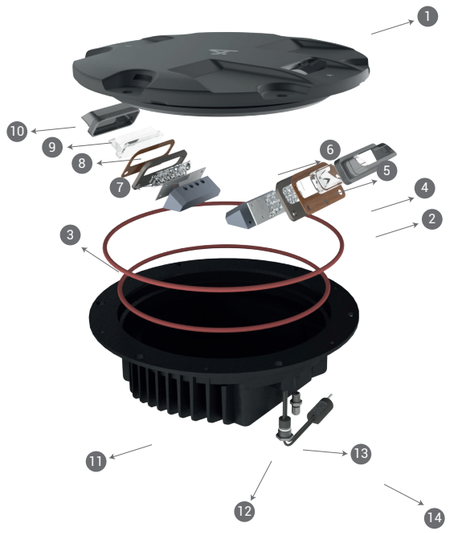
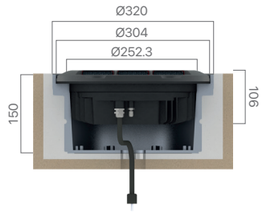
## MAIN COMPONENTS OF THE LIGHT UNIT

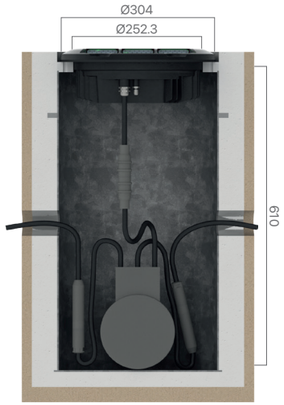
01. Dome (Upper Cover)
02. Prism Gasket
03. Prism
04. Prism holder gasket
05. Prism holder
06. TIR
07. LED PCB
08. Heatsink
09. O-Ring for dome (internal)
10. O-Ring for lower cover
11. Lower cover with electronics
12. Gland with accessories
13. Valve for watertightness test
14. Plug(lead wire)




## INSTALLATION SECTION




Shallow Base 12"




Deep Base 12"

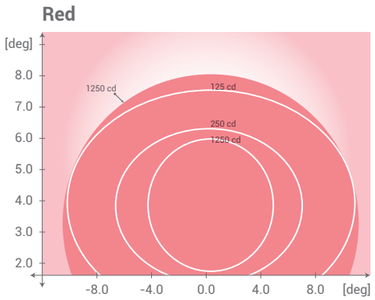
**IN-RN - M - H**

12" Inset Light **Type** For **Runway End**

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

**Heater**
- **H :** With Heater
- **C :** Without Heater

## PHOTOMETRIC PERFORMANCE




**ELECTRICAL TABLE**

| TYPE | Consumption at 6.6A | Power Factor | |
|---|---|---|---|
| | 1 Plug | 2.8A | 6.6A |
| Unidirectional Without Heater | 18 VA | 0.96 | 0.98 |
| Unidirectional With Heater | 58 VA | 0.96 | 0.98 |