DTS – 8 Inch LED Inset Lights Runway

AIRFIELD GROUND
LIGHTING SOLUTIONS

8" LED Inset Lights

- RC/IN Runway Centre Line • TZ/IN Touchdown Zone • FI/IN Rapid Exit Taxiway Indicator
- RE/IN Runway End • RE/IN Stopway • THL/IN Take-off and Hold

DTS – 8 Inch LED Inset Lights Runway

COMPLIANCE

- Annex 14 Vol. 1
- CS-ADR-DSN

ICAO   **EASA**

- AC-137-CA-2015-01-R1
- AC-137-CA-2015-03-R1

CAAC   **FAA**

- AC 150/5345-46
- EB NO.67

IEC

- TS 61827

FEATURES

- Low protrusion of 6.3mm above ground level
- Modulized electrical driver and LED assembly for simplicity of maintenance
- Efficient and stable optical output, suitable for operation with 6.6A and 2.2A CCRs
- Unique optical design, ensuring luminous efficacy and color consistency
- Strict thermal management solution increasing life expectancy
- Highly conductive aluminium mechanical components with special treatment, suitable for various weather conditions
- Built-in surge protection
- Optional Fail Open System

TECHNICAL DATA

MECHANICAL

- **Diameter**
  203mm
- **Flange Thickness**
  19mm
- **Protrusion Above Ground**
  ≤6.3mm
- **Depth Below Flange**
  67mm

- **Mounting**
  2 x M10 bolts
- **Static Load Resistance**
  ≥ 20t
- **Dynamic Load Resistance**
  40J

ENVIRONMENTAL

- **Operating Temperature**
  -55°C~+55°C
- **Storage Temperature**
  -55°C~+85°C

- **Protection Class**
  IP68
- **Humidity**
  0~100%

ELECTRICAL

- **Connection**
  FAA L-823
- **Rated Input Current**
  6.6A/2.2A
- **Power Factor**
  > 0.9
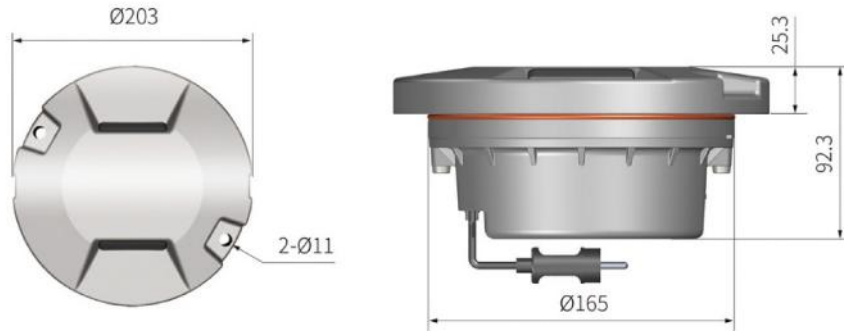
- **Power Consumption**

Runway Centre Line-White	20VA	Rapid Exit Taxiway Indicator	20.5VA
Runway Centre Line-Red	16.5VA	Runway End	18.5VA
Runway Centre Line -White/White	26.5VA	Stopway	18.5VA
Runway Centre Line -White/Red	22.5VA	Take-off and Hold	18.5VA
Touchdown Zone	20.5VA		

- **Fail Open**
  Reaction on ouput open circuit and output short circuit
- **Emission**
  IEC 61000-6-4
- **Immunity**
  IEC 61000-6-2
- **Service Life**
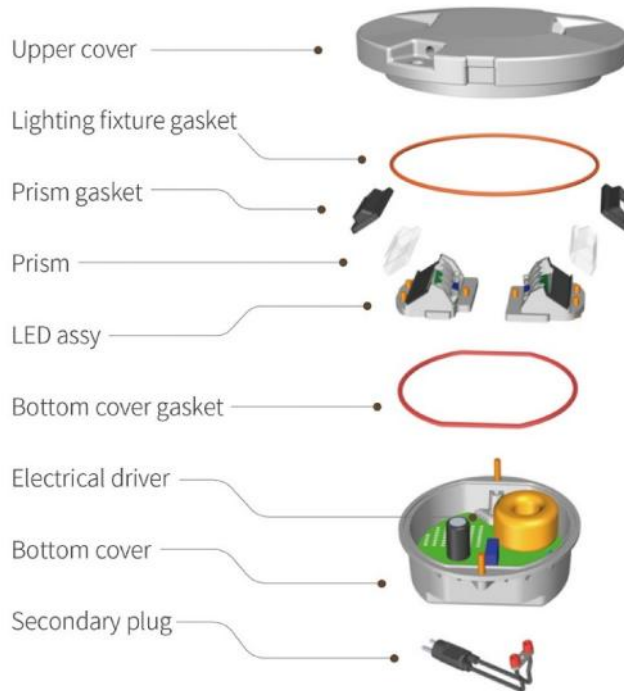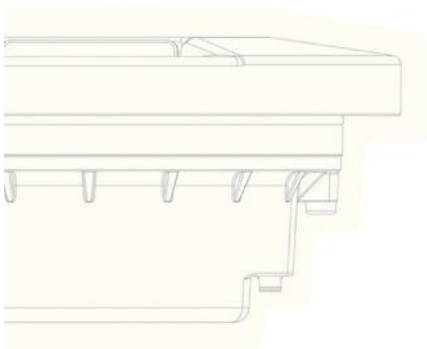 LED useful lamp life >80000h

DIMENSIONS

Ø203

25.3

92.3

2-Ø11

Ø165

COMPONENTS

- Upper cover
- Lighting fixture gasket
- Prism gasket
- Prism
- LED assy
- Bottom cover gasket
- Electrical driver
- Bottom cover
- Secondary plug

ACCESSORIES

- 8 inches shallow base assy (bottom entry/side entry)
- 12 inches shallow base assy (bottom entry/side entry)
- 12 inches deep base assy
- 12-8 adapter ring assy
- L-823 receptacle
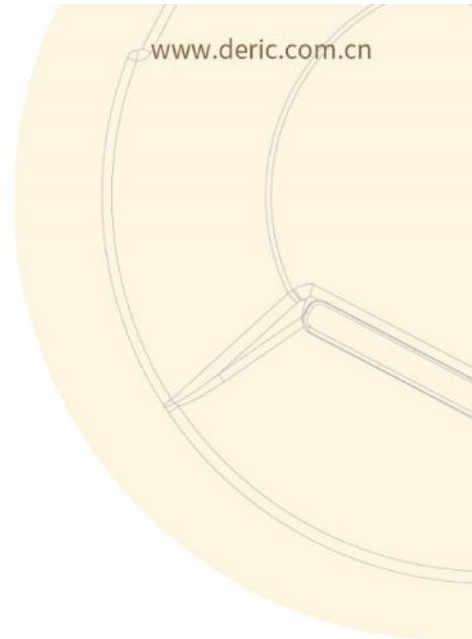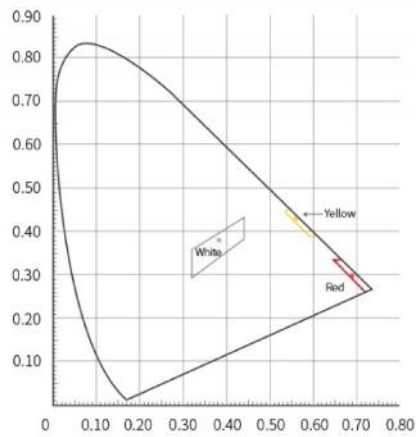- 8 inches light fixture handle

PACKAGING

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Dimensions: 253mm (L) X 223mm (W) X 107mm (H)

Net Weight: 3.5kg   Gross Weight: 3.7kg

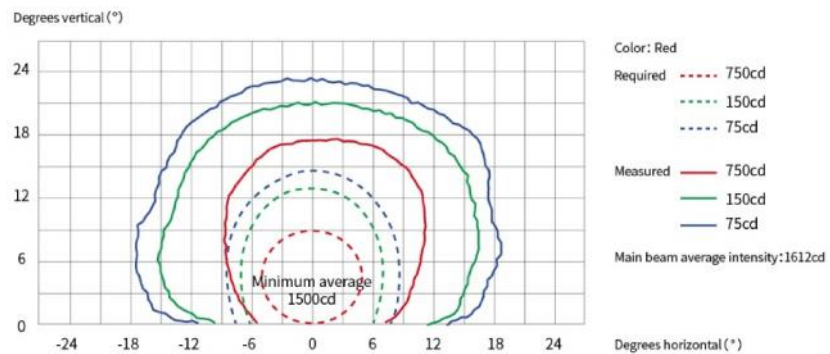* Packaging is subject to upgradation. Above data are reference values.

CHROMATICITY

PHOTOMETRICS

ORDERING CODES

RC=Runway Centre Line   TZ=Touchdown Zone
FI=Rapid Exit Taxiway Indicator
RE=Runway End or Stopway
THL=Take-off and Hold

Type
RC IN WW (L) S F 6

Installation — IN=Inset

Color — W=White Y=Yellow R=Red
WW=White/White WR=White/Red

Light source — (L)=LED

Toe-in — L=Toe-in left   R=Toe-in right   Blank=None

Plug — S=Single

Fail open — F=Available   Blank=None

Operating current — 2=2.2A   6=6.6A
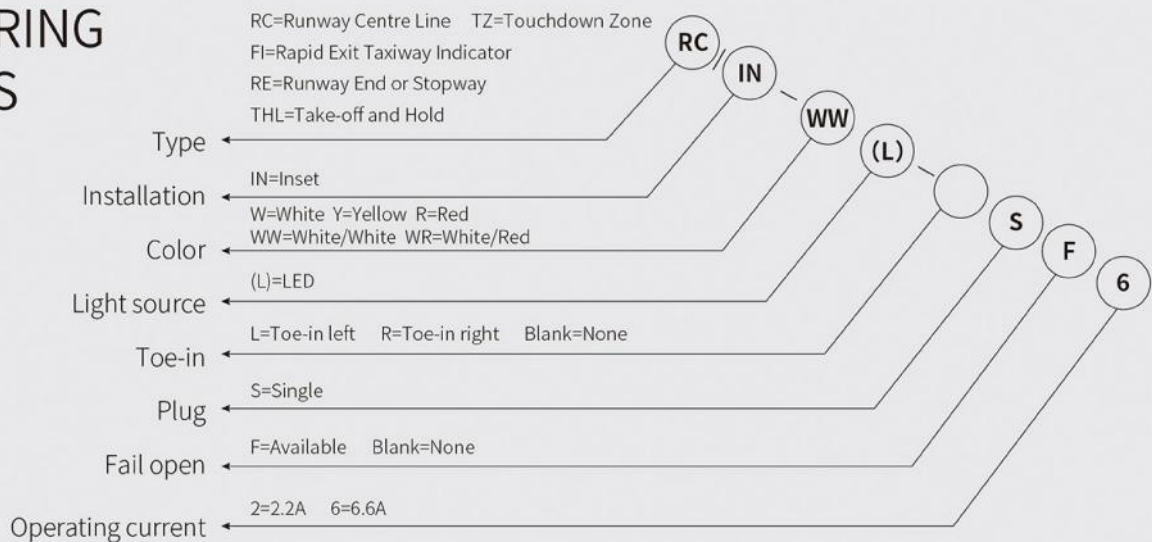
★ Accessories should be ordered separately