

ITD series 8" LED Inset Lights

COMPLIANCE

- ICAO • Annex 14 Volume I
- EASA • CS-ADR-DSN
- IEC • TS 61827
- FAA • AC 150/5345-46
• EB No. 67
- NATO • STANAG 3316
- AENA • DIN/DSEYN/PPT/018
- Canada • TP 312
- Australia • MOS 139
- CAAC • AC-137-CA-2015-01-R1
• AC-137-CA-2015-03-R1

FEATURES

- Low protrusion of 6 mm above ground level
- Adaptable to all kinds of CCRs and ILCMS systems
- PWM digital regulation providing excellent consistency of chromaticity
- Aluminum alloy forged top cover with hardened surface and corrosion resistance treatment
- Built-in surge protection
- Specially designed fail open system suitable for strong magnetism, vibration and other environments

- TS/IN Taxiway Centre Line–Straight Section
Runway Turn Pad–Straight Section
- TC/IN Taxiway Centre Line–Curved Section
Runway Turn Pad–Curved Section
- SBS/IN Stop Bar–Straight Section
No–entry Bar–Straight Section
Runway Entrance–Straight Section
- SBC/IN Stop Bar–Curved Section
No–entry Bar–Curved Section
- HP/IN Intermediate Holding Position

TECHNICAL DATA

MECHANICAL

Mounting • 2 x M10 bolts Static Load Resistance • $\geq 18t$ Dynamic Load Resistance • 40J Net Weight • 3.7kg (one plug)
Gross Weight • 3.9kg (one plug) Packing Dimensions • 253mm (L) x 223mm (W) x 107mm (H) 4.5kg (two plugs)
4.7kg (two plugs)

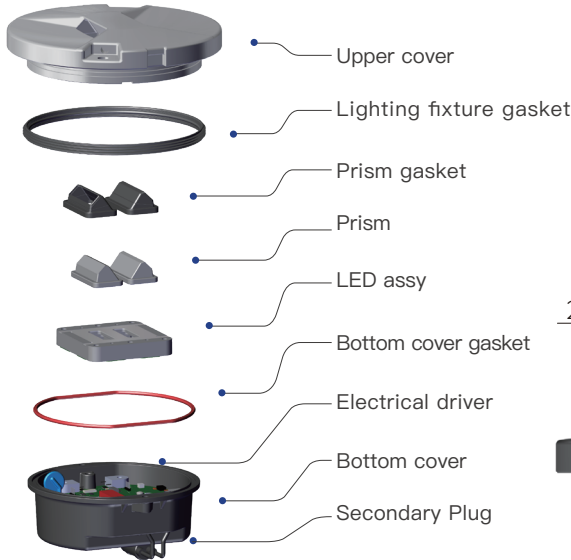
ENVIRONMENTAL

Operating Temperature • $-55^{\circ}C \sim +55^{\circ}C$ Storage Temperature • $-55^{\circ}C \sim +85^{\circ}C$ Protection Class • IP68 Humidity • 0~100%

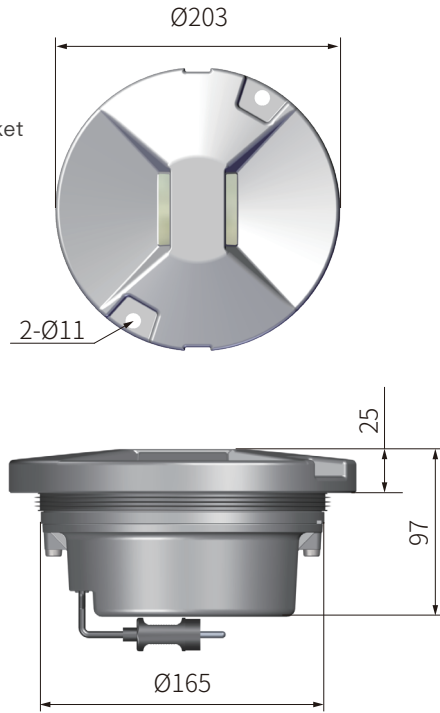
ELECTRICAL

Connection • FAA L-823 Rated Input Current • 6.6A/2.2A Power Factor • >0.98
Emission • IEC 61000-6-4 Immunity • IEC 61000-6-2 LED Lamp Life • Over 100,000 hours in typical operating conditions
Taxiway Centre Line – Straight • 9VA (unidirectional Y/G) • 11VA (bidirectional 1P GG/YY/YG) • 9VA/9VA (bidirectional 2P GG/YY/YG)
Taxiway Centre Line – Curved • 9VA (unidirectional Y) • 10VA (unidirectional G) • 13VA (bidirectional 1P GG/YG) • 14VA (bidirectional 1P YY)
Taxiway Centre Line – Curved • 10VA/10VA (bidirectional 2P GG/YY/YG)
Stop Bar–Straight section • 10VA Stop Bar–Curved section • 9VA Intermediate Holding Position • 9VA

COMPONENTS



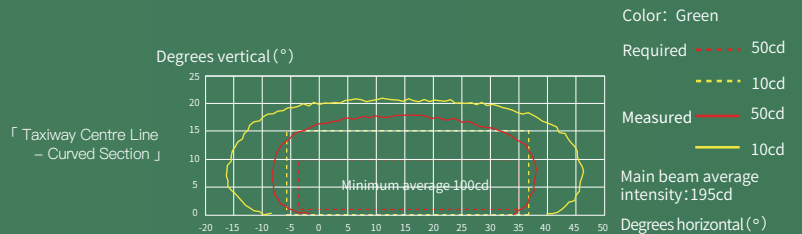
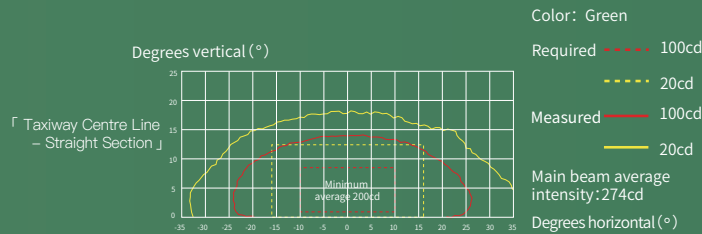
DIMENSIONS



ACCESSORIES

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

PHOTOMETRICS



ORDERING CODES

- TS=Taxiway Centre Line-Straight Section or Runway Turn Pad-Straight Section
 TC=Taxiway Centre Line-Curved Section or Runway Turn Pad-Curved Section
 SBS=Stop Bar-Straight Section or No-entry Bar-Straight Section or Runway Entrance-Straight Section
 SBC=Stop Bar-Curved Section or No-entry Bar-Curved Section
 HP=Intermediate Holding Position
- Type: TC, IN, YG, (L), L, S, F, 6, S
- Installation: IN=Inset
- Color: G=Green Y=Yellow R=Red YY=Yellow/Yellow GG=Green/Green YG=Yellow/Green
- Light source: (L)=LED
- Toe-in: L=Toe-in left R=Toe-in right X=None
- Plug: S=1 Plug D=2 Plugs
- Fail open: F=Available X=None
- Operating current: 2=2.2A 6=6.6A
- Prism: Blank=Standard, S=Sapphire

* Accessories should be ordered separately