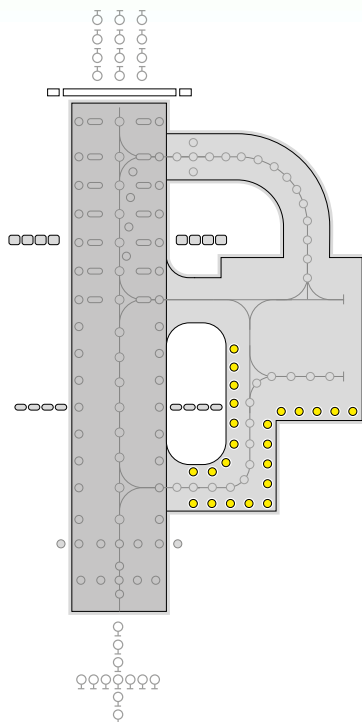


LED technology



# IR852T

IRIS 8" LED taxiway & apron edge inset omni directional light



## Applications

CAT I/II/III all weather operation airfield ground lighting (agl) systems.

## Compliant with Latest International Standards\*

- ▶ ICAO Annex 14. Vol 1
- ▶ FAA AC 150/5345-46
- ▶ FAA Engineering Brief No. 67
- ▶ IEC 61827
- ▶ EASA
- ▶ Stannag 3316 (NATO)
- ▶ MAA-MADS Issue 7, 38(b)

\* As applicable to the application, compliance with other civil aviation and military regulations confirmed on request

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IRIS LED AGL  
IR852T

# IR852T IRIS 8" LED taxiway & apron edge inset omni directional light



## Electrical Performance

Application	Photometry				Colour	Typical Power Consumption - Watts (VA) @ 6.6A					
	ICAO (Para)	FAA (Table)	Main Beam Aperture Horiz(°)   Vert(°)			Per Beam Watts	Fitting* Watts (VA)   PF	Tx Primary** Watts (VA)   PF	TX		
Taxiway Edge (Omni)	5.3.18.7/8	Note (b)***	0°-359°   0°-6°	Blue	0.75	4.60 (4.67)   0.987	12.8 (13.6)   0.94	10W			
Taxiway Edge (Omni)	5.3.18.7/8	Note (b)***	0°-359°   0°-6°	Blue	0.75	4.62 (4.66)   0.992	13.9 (15.7)   0.89	25W			
Taxiway Edge (Omni)	5.3.18.7/8	Note (b)***	0°-359°   0°-6°	Blue	0.75	4.61 (4.65)   0.994	16.1 (19.7)   0.82	45W			

**Notes:** Isolating transformer shall be suitably sized to accommodate specific secondary and other applicable losses.

\* as measured at the input leads of the fixture.

\*\* as measured across the primary winding of an appropriately sized isolation transformer with a total fixture and transformer secondary length not exceeding - 1.85m (72"). CCR shall be suitably sized for the indicated transformer VA for the relevant isolating transformer utilised.

\*\*\* main beam vertical requirements for FAA is 1° to 6° for IR852T

Dimmable from 100% down to 0.1% (continuous) as per Engineering Brief 67D

## Environmental Conditions

- ▶ Ambient Temperature -55 °C to +55°C (-67 °F to +131°F)
- ▶ Storage Temperature -55°C to +55°C (-67 °F to +131°F)

▶ Ingress Protection IP67

### Photometry

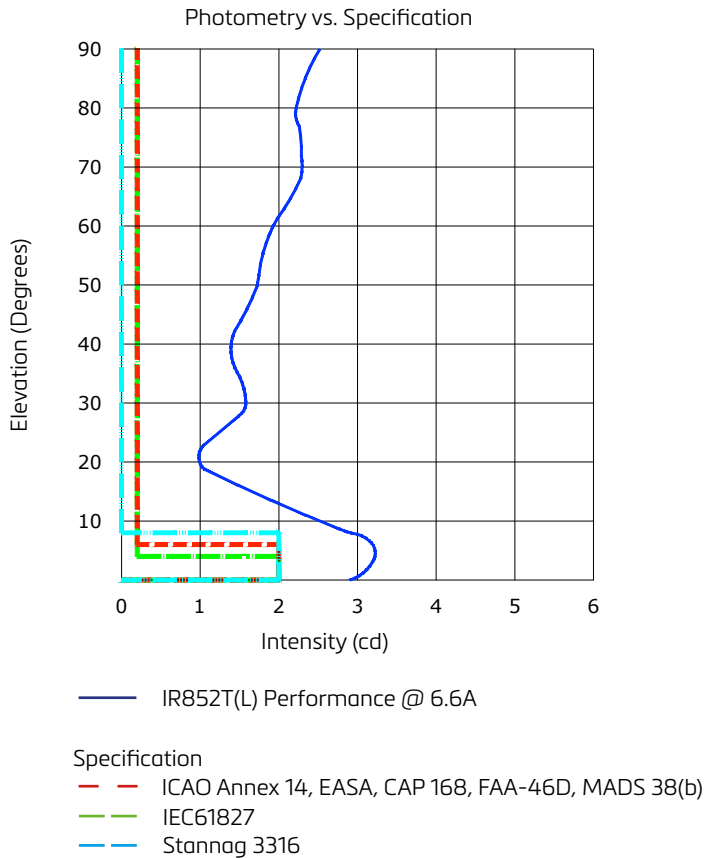
#### Specification

Taxiway & Apron Edge ICAO - 5.3.18.7/8 FAA L-852T

Colour	Blue
Main rect. minimum intensity 0°-6°	2 cd
Second rect. minimum intensity 6°-90°	0.2 cd

#### Typical Measured Values

Colour	Blue
Main rect. minimum intensity 0°-6°	3.0 cd
Main rect. minimum intensity 0°-8° (Stannag)	2.9 cd
Second rect. minimum intensity 6°-90°	1.0 cd



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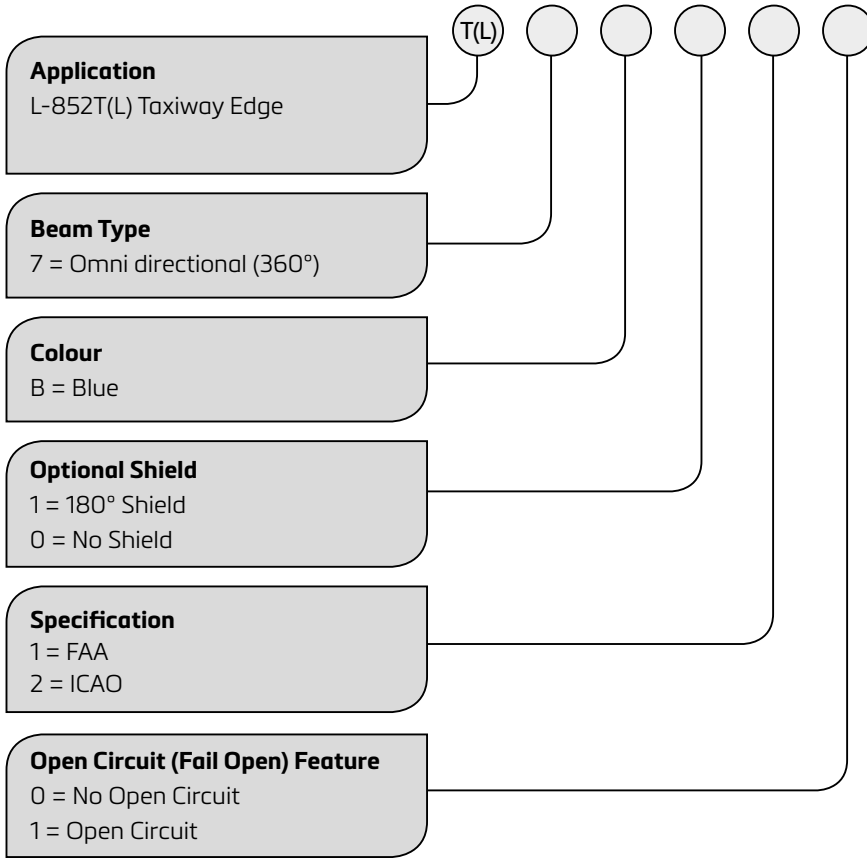
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IRIS LED AGL  
IR852T

# IR852T IRIS 8" LED taxiway & apron edge inset omni directional lightA

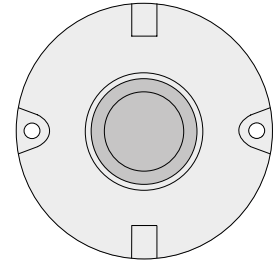


## Ordering Codes IR852T

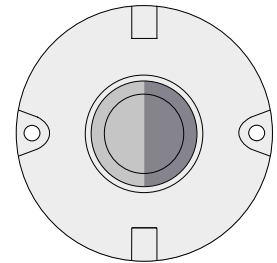


\* Other seating/mounting configurations are available on request.

## Beam Options



**IR852T(L)**  
Omni Directional 360°

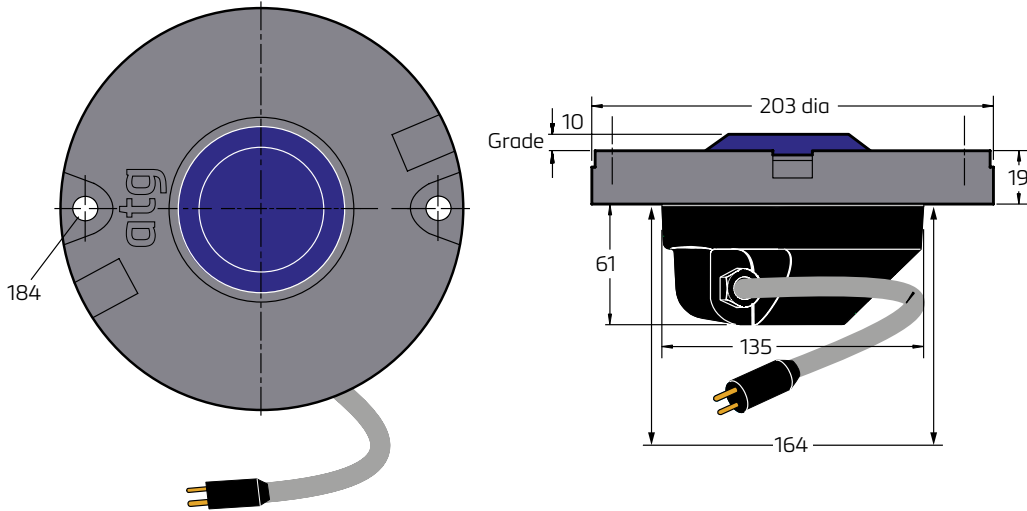


**IR852T(L)**  
Omni Directional  
with 180° Shield

# IR852T IRIS 8" LED taxiway & apron edge inset omni directional light



## Dimensions



## Packaging

- ▶ Net weight 3kg
- ▶ Gross weight 3.5kg
- ▶ Box 230mm(w) x 230mm(d) x 146mm(h)

\*Dimensions are nominal

Consultants specification and installation information for the Iris range is available by request. Contact [marketing@atgairports](mailto:marketing@atgairports) for further details.

atg airports reserve the right to change technical data and details at any point in time. Errors may have occurred



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