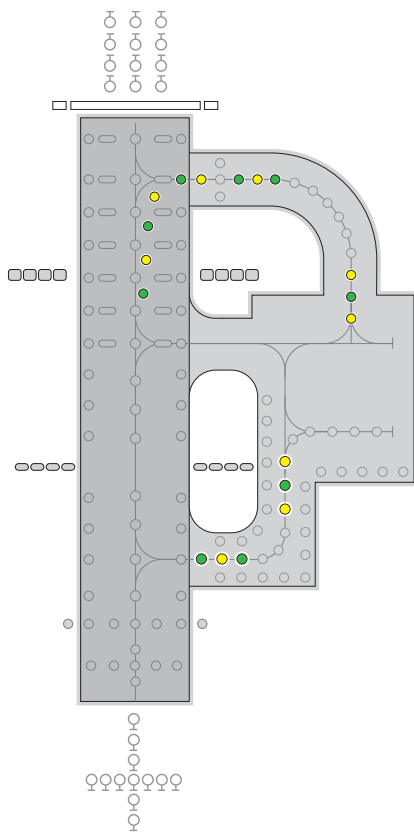


LED technology



# IR852C

IRIS LED 8" taxiway centre line, straight sections (narrow), high intensity lighting solutions



## Applications

CAT 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)

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

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## Electrical Performance

Main Beam Aperture		Colour	Typical Power Consumption - Watts (VA) @ 6.6A				
Horiz(°)	Vert(°)		Per Beam Watts	Fitting* Watts (VA)	PF	Tx Primary** Watts (VA)	PF
-3.5 to +3.5	1 to 8	GRN/GRN	0.94/0.94	14.60 (14.69)	0.991	23.76 (24.66)	0.965
-3.5 to +3.5	1 to 8	YEL/YEL	1.49/1.49	15.88 (16.05)	0.992	25.50 (26.34)	0.969
-3.5 to +3.5	1 to 8	GRN/YEL	0.94/1.49	15.85 (15.94)	0.993	25.30 (26.19)	0.968
-3.5 to +3.5	1 to 8	GRN/BLK	0.94/-	9.89 (9.92)	0.995	19.15 (19.91)	0.959
-3.5 to +3.5	1 to 8	YEL/BLK	1.49/-	11.32 (11.54)	0.995	20.65 (21.60)	0.965

Fixture Operational Current Range: 2.7 to 6.7A RMS

\* 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").

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

For Bi-directional twin lead option use unidirectional electrical performance for each direction.

## 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 Centreline - Straight Narrow ICAO Fig A2-13 FAA L-852C

Colour	Green
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	200 cds
Main rect. minimum intensity	100 cds
Second rect. minimum intensity	20 cds

### Typical Measured Values

#### Taxiway Centreline - Straight (Narrow) Green

Colour	Green
Max/Min Intensity Ratio	2.59
Main rect. average intensity	400 cds
Main rect. maximum intensity (A)	512 cds
Main rect. minimum intensity (B)	197 cds
Second rect. minimum intensity	120 cds

### Specification

#### Taxiway Centreline - Straight (Narrow) Yellow

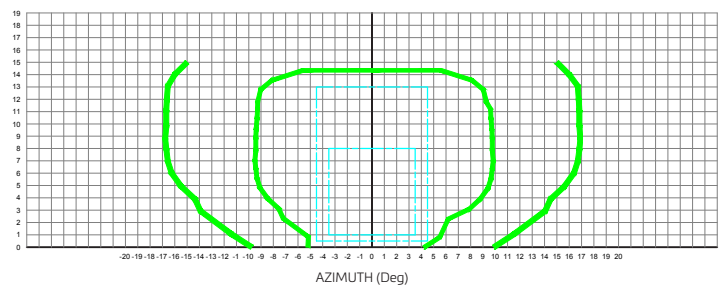
Colour	Yellow
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	200 cds
Main rect. minimum intensity	100 cds
Second rect. minimum intensity	20 cds

### Typical Measured Values

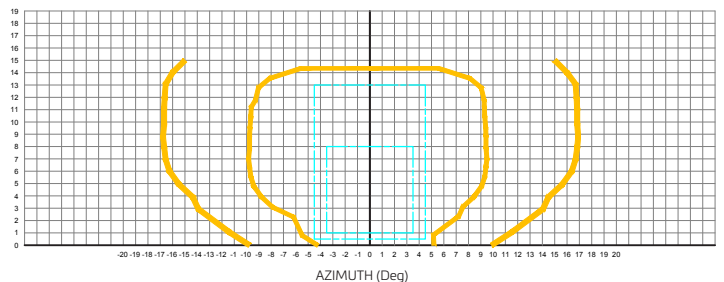
#### Taxiway Centreline - Straight (Narrow) Yellow

Colour	Yellow
Max/Min Intensity Ratio	1.96
Main rect. average intensity	462 cds
Main rect. maximum intensity (A)	584 cds
Main rect. minimum intensity (B)	299 cds
Second rect. minimum intensity	228 cds

Intensity Chart - IRIS Taxiway Centreline Luminaire (straight narrow) Green



Intensity Chart - IRIS Taxiway Centreline Luminaire (straight narrow) Yellow



# IR852C IRIS LED 8" taxiway centre line, straight sections (narrow), high intensity lighting solutions



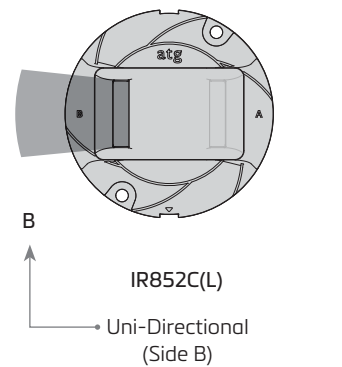
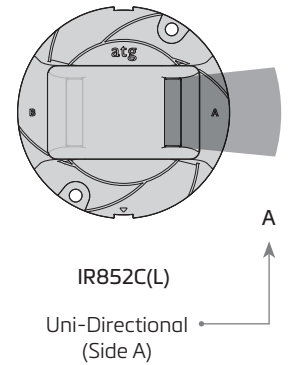
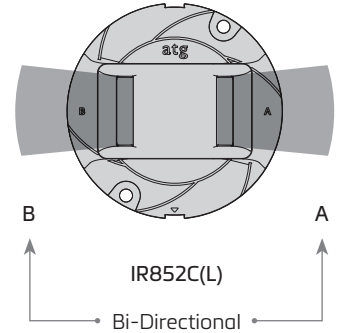
## Ordering Codes:



<p><b>Application</b> L-852C(L) Taxiway Centreline Straight (Narrow)</p>	IR852C
<p><b>Beam Type</b> <b>A Side</b> 4 = Straight (Narrow) 0 = Blank ..... <b>B Side</b> 4 = Straight (Narrow) 0 = Blank</p>	T8
<p><b>Colour</b> <b>A Side</b> G = Green Y = Yellow C = Cyan/Green N = Not Applicable ..... <b>B Side</b> G = Green Y = Yellow C = Cyan/Green N = Not Applicable</p>	
<p><b>Specification</b> 1 = FAA 2 = ICAO</p>	
<p><b>Connections</b> 1 = 1 Bi Pin Plug 2 = 2 Bi Pin Plug</p>	
<p><b>Fixture Monitoring - Fail Open Feature</b> 0 = No Open Circuit 1 = Open Circuit</p>	

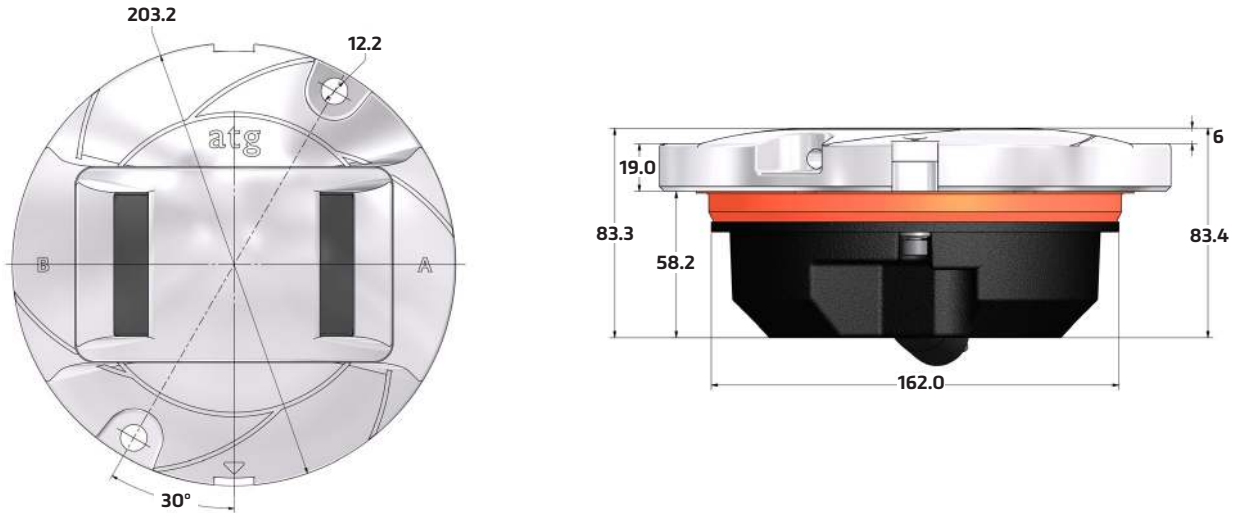
Additional optional features are available upon request

## Beam Options



# IR852C IRIS LED 8" taxiway centre line, straight sections (narrow), high intensity lighting solutions

## Dimensions



## Packaging

- ▶ Net weight 3.12Kg
- ▶ Gross weight 3.52Kg (boxed)
- ▶ Box 260mm (L) x 260mm (W) x 175mm (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.

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**Head Office:**

**atg airports ltd**

Lowton Business Park | Newton Road

Lowton St. Mary's | Warrington

WA3 2AP | United Kingdom



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UK: +44 (0) 1942 68 5555 | USA: 001 (239) 985-9406

[www.atgairports.com](http://www.atgairports.com) | [enquiries@atgairports.com](mailto:enquiries@atgairports.com) | [sales-usa@atgairports.com](mailto:sales-usa@atgairports.com)

IRIS LED AGL  
L-852C