

LED technology

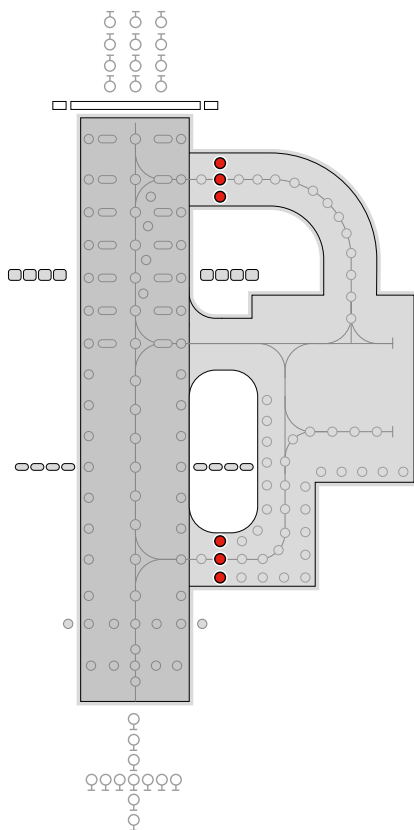


# IR852SC

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

## Applications

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



## Certified to Latest International Standards\*

- ▶ ICAO Annex 14. Vol 1
- ▶ FAA AC150 5345 46†
- ▶ FAA Engineering Brief 67†
- ▶ IEC61827
- ▶ EASA Stannag 3316 (NATO)

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

† Electrical/Mechanical/Environmental characteristics only

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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	RED/RED	1.27/1.27	15.06 (15.20)	0.992	24.20 (25.06)	0.966
-3.5 to +3.5	1 to 8	RED/BLK	1.27/-	10.00 (10.13)	0.995	19.22 (20.03)	0.960

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").

**Notes:** For Bi-Directional twin lead option use Red/Blank electrical performance . 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 stopbar - straight (narrow) ICAO Fig. A2-13

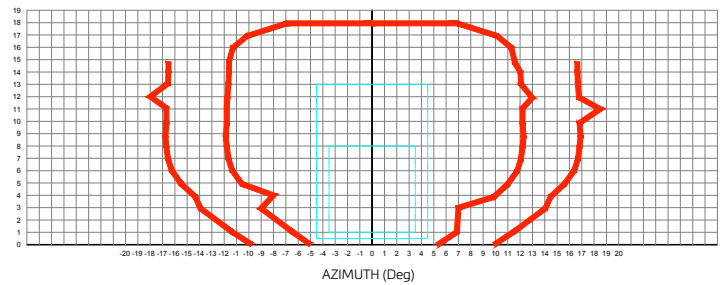
Colour	Red
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	200 cds
Main rect. minimum intensity	100 cds
Second rect. minimum intensity	20 cds

### Typical Measured Values

Taxiway stopbar - straight (narrow) ICAO Fig. A2-13

Colour	Red
Max/Min Intensity Ratio	2.17
Main rect. average intensity	457 cds
Main rect. maximum intensity (A)	563 cds
Main rect. minimum intensity (B)	258 cds
Second rect. minimum intensity	120 cds

Intensity Chart - IRIS Stopbar (Narrow) Red



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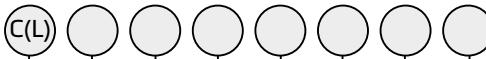
IRIS LED AGL  
L-852SC

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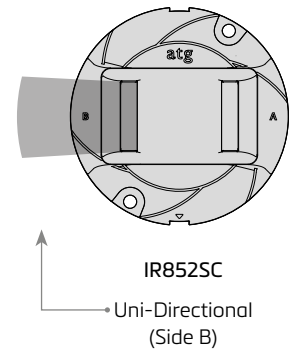
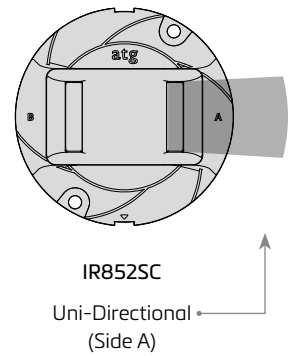
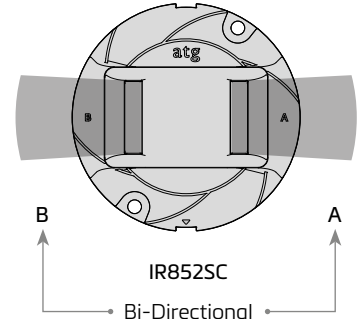


## Ordering Codes

IR852S



## Beam Options



**Application**  
L-852SC(L) Stopbar - Straight (narrow)

**Beam Type**  
**A Side**  
4 = Straight (Narrow)  
0 = Blank  
.....  
**B Side**  
4 = Straight (Narrow)  
0 = Blank

**Colour**  
**A Side**  
R = Red  
N = Not Applicable  
.....  
**B Side**  
R = Red  
N = Not Applicable

**Specification**  
2 = ICAO

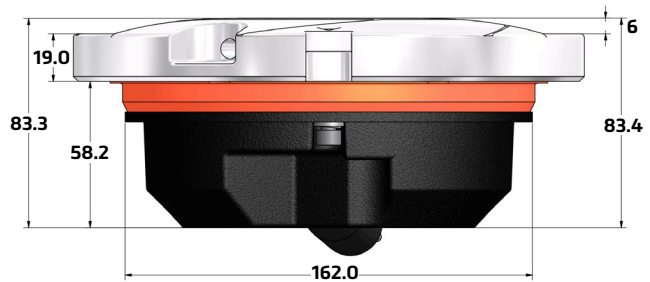
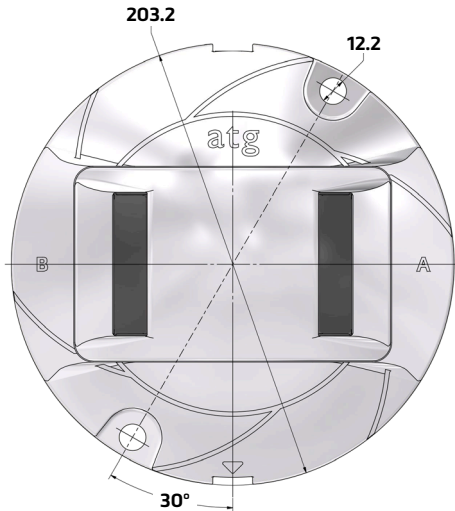
**Connections**  
1 = 1 Plug Bi Pin  
2 = 2 Plug Bi Pin

**Fixture Monitoring - Fail Open Feature**  
0 = No Open Circuit  
1 = Open Circuit

Additional optional features are available upon request

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## Dimensions



## Packaging

- ▶ Net weight 3.12Kg
- ▶ Gross weight 3.52 (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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IRIS LED AGL  
L-852SC