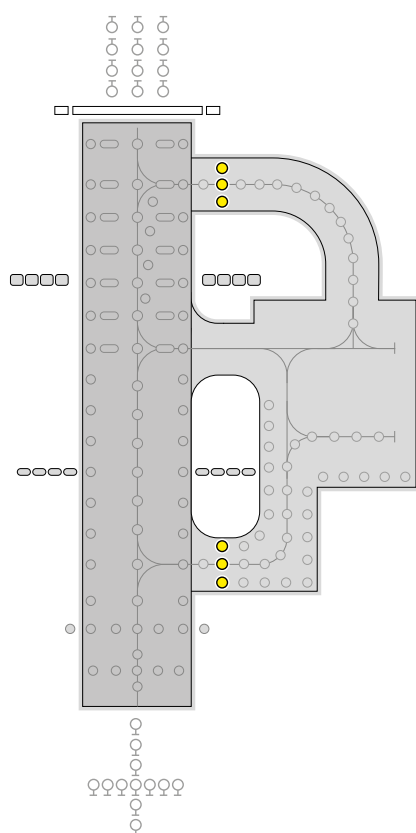




IR852SO

IRIS LED 8" Stopbar
intensity lighting solutions,
offset straight section



Applications

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

Certified to Latest International Standards*

- ▶ ICAO Annex 14
- ▶ FAA AC150 5345 46†
- ▶ FAA Engineering Brief 67†
- ▶ IEC61827
- ▶ MAA (Military Aviation Authority)

* 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
-10 to 10	1 to 8	RED/RED	5.34/5.34	24.74 (24.77)	0.996	35.11 (35.66)	0.985
-10 to 10	1 to 8	RED/BLK	5.34/-	14.63 (14.71)	0.991	25.00 (25.79)	0.969

* 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.

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 (Offset) Green

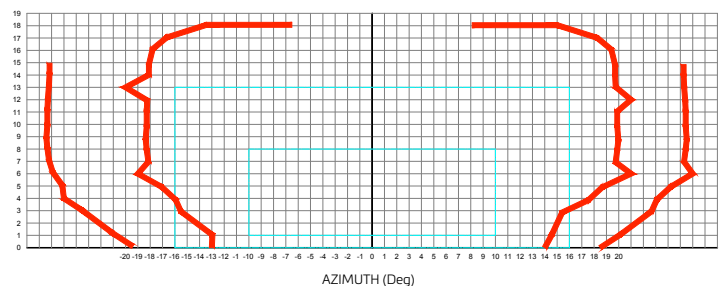
Colour	Red
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	200 cds
Main rect. minimum intensity	100 cds
Second rect. minimum intensity	20 cds

Typical Measured Values

Taxiway Centreline - Straight (Offset) Green

Colour	Red
Max/Min Intensity Ratio	2.3
Main rect. average intensity	452 cds
Main rect. maximum intensity (A)	563 cds
Main rect. minimum intensity (B)	245 cds
Second rect. minimum intensity	115 cds

Intensity Chart - IRIS Stopbar (Straight/Offset)



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IRIS LED AGL
L-852SO

IR852SO

IRIS LED 8" Stopbar intensity lighting solutions, offset section



Ordering Codes

IR852S



Application

L-852O(L) (Offset)

Beam Type

A Side

2 = Straight (Offset)

6 = Blank

B Side

2 = Straight (Offset)

6 = Blank

Colour

A Side

R = Red

B = Blank

B Side

R = Red

B = Blank

Specification

1 = ICAO

Connections

1 = 1 Plug Bi Pin

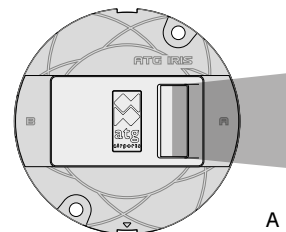
2 = 2 Plug Bi Pin

Open Circuit (Fail Open) Feature

0 = No Open Circuit

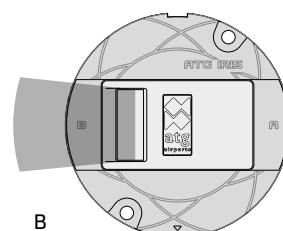
1 = Open Circuit

Beam Options



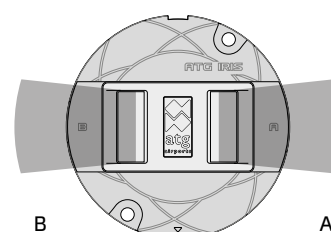
IR852SO(L)

Uni-Directional
(Side A - Offset)



IR852SO(L)

Uni-Directional
(Side B - Offset)



IR852SO(L)

Bi-Directional

Additional optional features are available upon request

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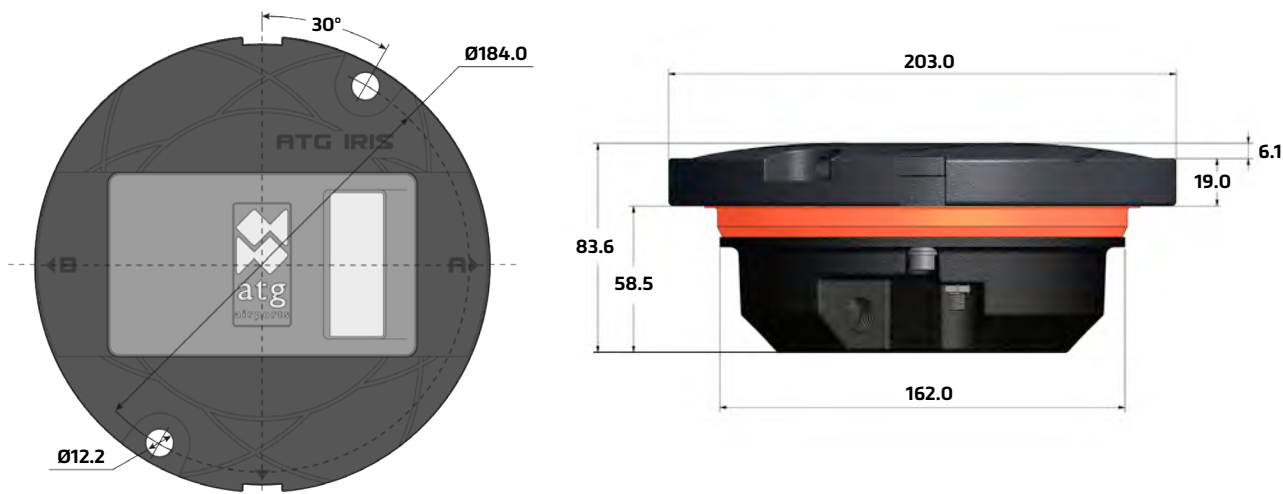
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IRIS LED AGL
L-852SO

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IRIS LED 8" Stopbar intensity lighting solutions, offset section

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 for further details.



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