

LED technology



IR852S

IRIS LED 8" Stopbar
 intensity lighting solutions
 straight sections (Wide)

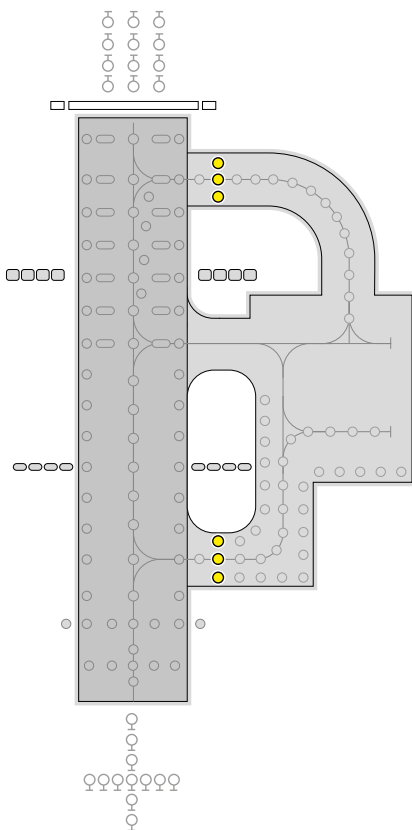
Applications

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

Compliant with Latest International Standards*

- ▶ FAA AC150/5345-46
- ▶ FAA Engineering brief 67

* For US Domestic market only



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

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IRIS LED AGL
L-852S

IR 852S IRIS LED 8" Stopbar intensity lighting solutions straight sections (Wide)



Electrical Performance

Application		Main Beam Aperture		Colour	Typical Power Consumption - Watts (VA) @ 6.6A				
ICAO	FAA	Horiz(°)	Vert(°)		Per Beam Watts	Fitting* Watts (VA)	PF	Tx Primary** Watts (VA)	PF
N/A	L-852S	+24/-24	1-10	Red	18/-	30.92/31.02	0.998	40.12/40.66	0.99

* 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.

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

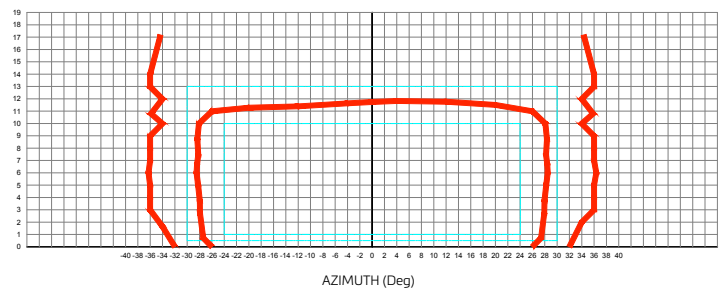
Stopbar L-852S

Colour	Red
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	300 cds
Main rect. minimum intensity	150 cds
Second rect. minimum intensity	30 cds

Typical Measured Values

Colour	Red
Max/Min Intensity Ratio (Ref)	<3.0
Main rect. average intensity	367 cds
Main rect. minimum intensity	190 cds
Second rect. minimum intensity	44 cds

Intensity Chart - IRIS Stopbar (Wide) Red



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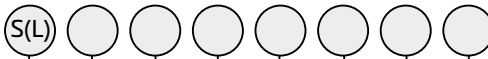
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Ordering Codes IR852



Application
L-852S(L) Stopbar Straight (Wide)

Beam Type
A Side
 5 = Wide
 0 = Blank

B Side
 5 = Wide
 0 = Blank

Colour
A Side
 R = Red
 N = Not Applicable

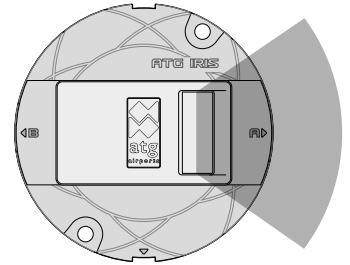
Colour
B Side
 R = Red
 N = Not Applicable

Specification
1 = FAA

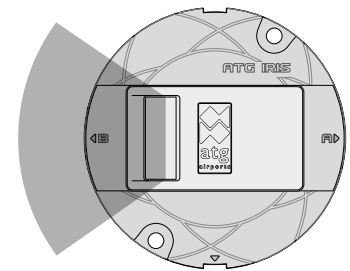
Connections
1 = 1 Plug Bi Pin

Open Circuit (Fail Open) Feature
 0 = No Open Circuit
 1 = Open Circuit

Beam Options



IR852S(L)
Uni-Directional



IR852S(L)
Uni-Directional

Bi-directional option not specified by FAA

Additional optional features are available upon request

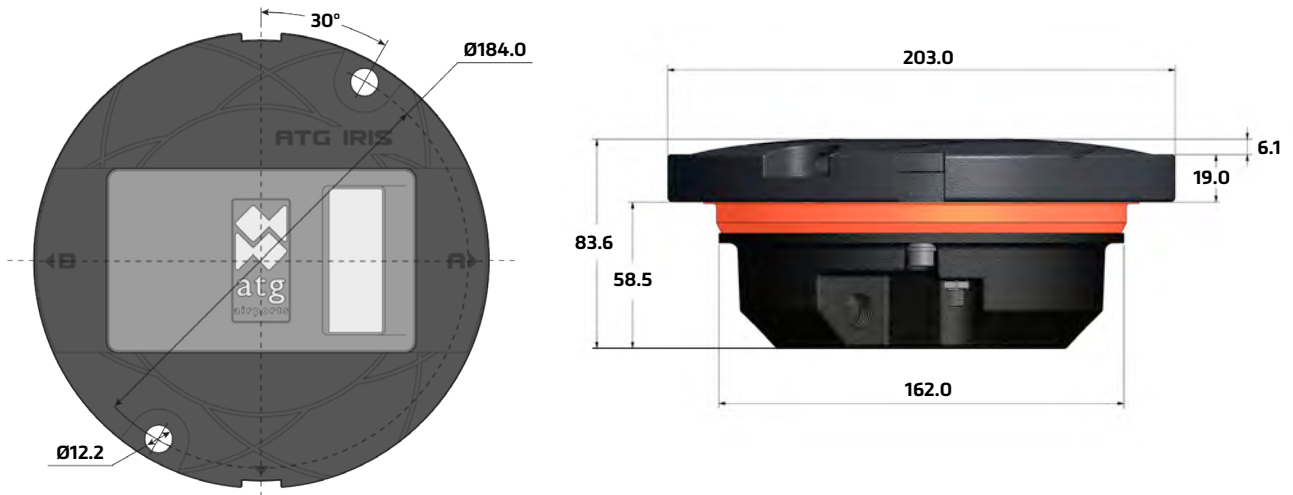
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Dimensions



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 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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