

LED technology



IR852S

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

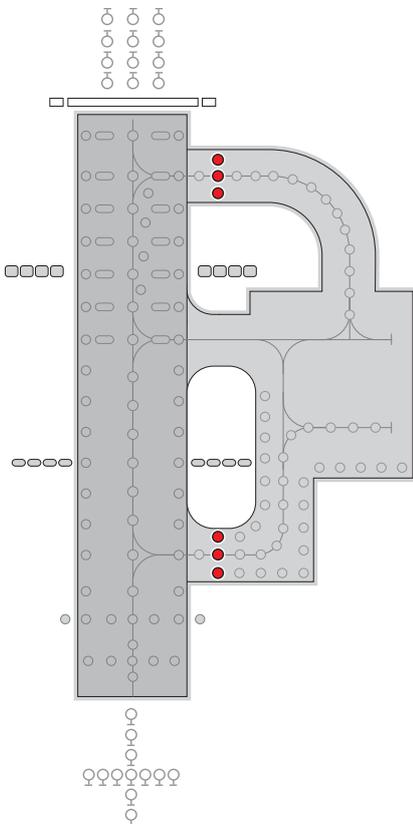
Applications

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



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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
-24 to +24	1 to 10	RED/BLK	8.33/-	18.28(18.35)	0.995	28.85(29.69)	0.972

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.

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

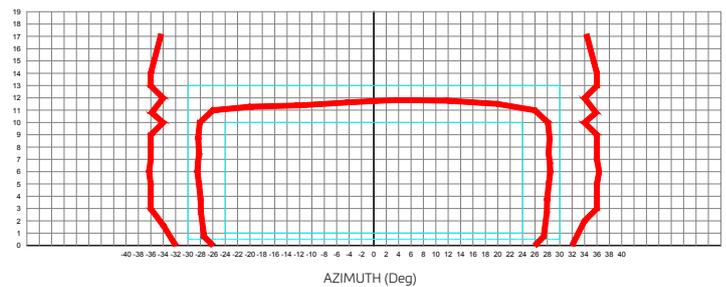
Taxiway Stopbar Straight (wide) FAA L-852S

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 (straight wide) Red



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Ordering Codes:



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

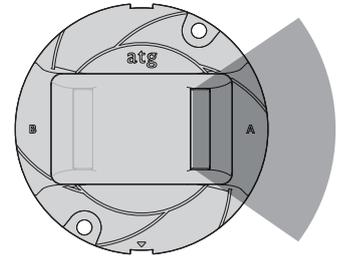
Colour
B Side
 R = Red
 N = Not Applicable

Specification
1 = FAA

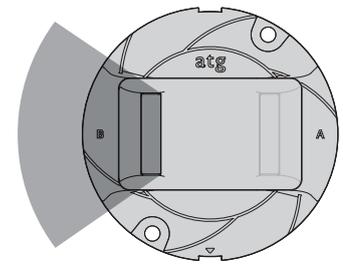
Connections
1 = 1 Plug Bi Pin

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

Beam Options



IR852S(L)
Uni-Directional (Side A)



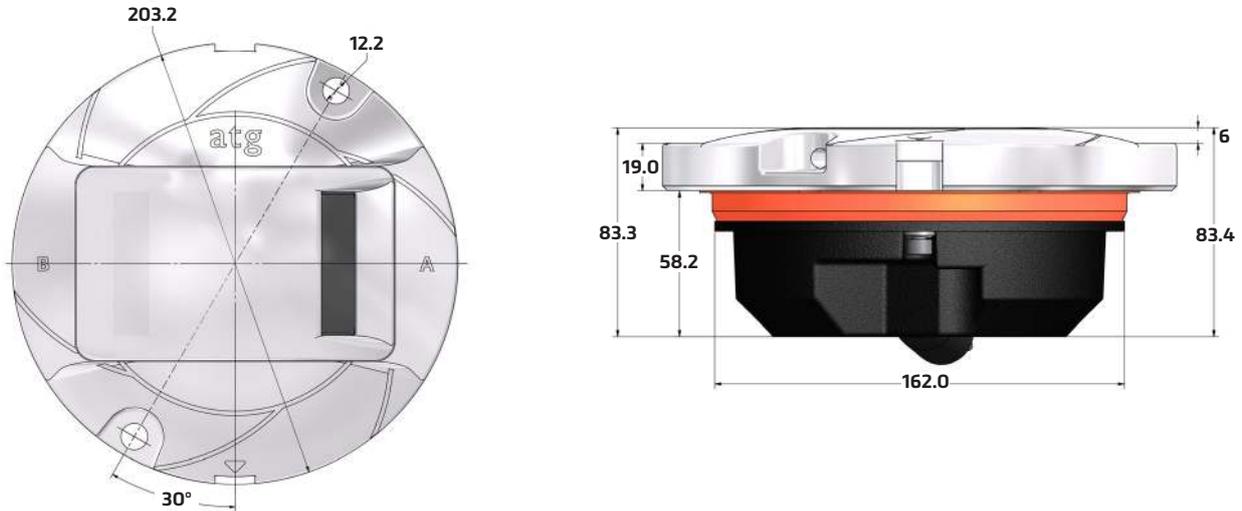
IR852S(L)
Uni-Directional (Side B)

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.



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IRIS LED AGL
L-852S

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