

LED technology

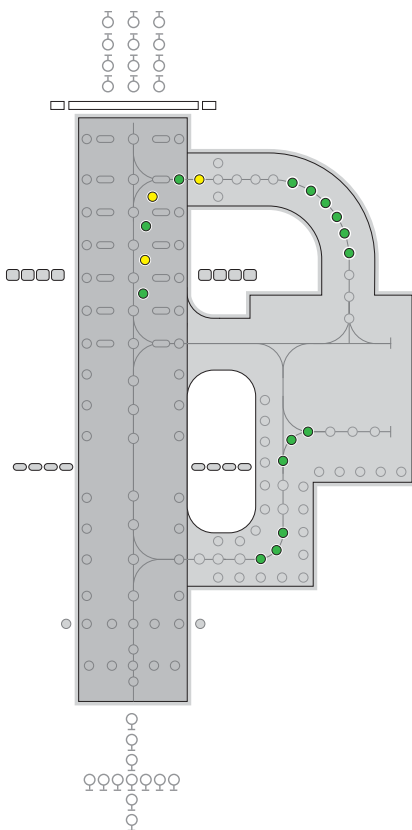


IR852D

IRIS LED 8" taxiway centre line, curved sections (wide), 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

† 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
-30 to +30	1 to 10	GRN/GRN	9.35/9.35	30.92 (31.02)	0.998	40.12 (40.66)	0.987
-30 to +30	1 to 10	YEL/YEL	10.45/10.45	33.32 (33.40)	0.998	42.28 (42.82)	0.988
-30 to +30	1 to 10	GRN/YEL	9.35/10.45	32.43 (32.52)	0.998	41.50 (42.00)	0.988
-30 to +30	1 to 10	GRN/BLK	9.35/-	16.77 (16.79)	0.998	25.82 (26.38)	0.979
-30 to +30	1 to 10	YEL/BLK	10.45/-	17.98 (18.01)	0.998	27.11 (27.63)	0.981

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 Centre Line Straight (Wide) - FAA L-852D

Colour	Green
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	100 cds
Main rect. minimum intensity	50 cds
Second rect. minimum intensity	10 cds

Typical Measured Values

Colour	Green
Max/Min Intensity Ratio (Ref)	<3.0
Main rect. average intensity	156 cds
Main rect. minimum intensity	57 cds
Second rect. minimum intensity	43 cds

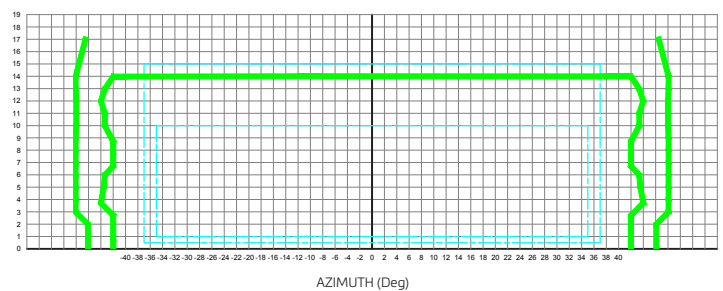
Specification

Colour	Yellow
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	100 cds
Main rect. minimum intensity	50 cds
Second rect. minimum intensity	10 cds

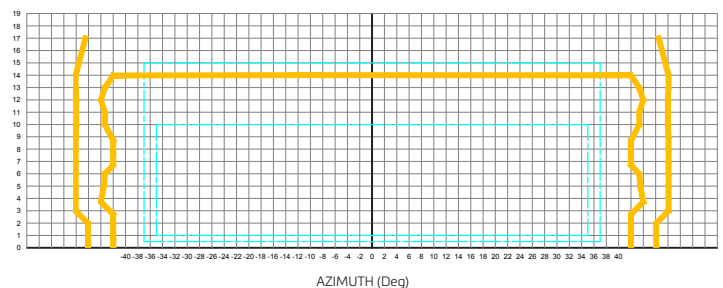
Typical Measured Values

Colour	Yellow
Max/Min Intensity Ratio (Ref)	2.63
Main rect. average intensity	199 cds
Main rect. maximum intensity (A)	260 cds
Main rect. minimum intensity (B)	83 cds
Second rect. minimum intensity	57 cds

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



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



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Ordering Codes:



Application
L-852D(L) Taxiway
Centreline Curved (Wide)

Beam Type
A Side
5 = Straight (Wide)
0 = blank
.....
B Side
5 = Straight (Wide)
0 = Blank

Colour
A Side
G = Green
Y = Yellow
N = Not Applicable
.....
B Side
G = Green
Y = Yellow
N = Not Applicable

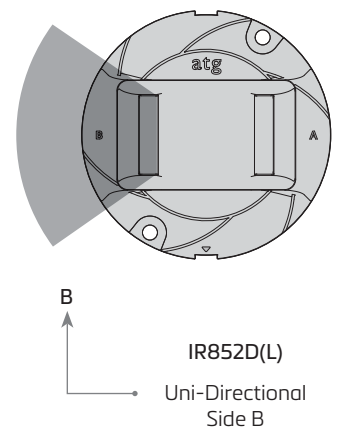
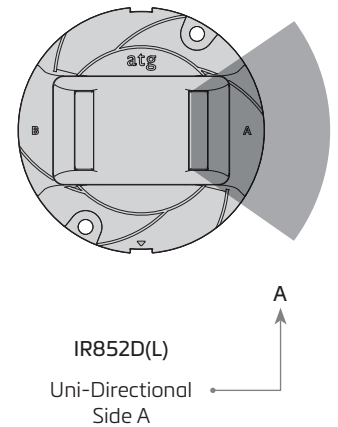
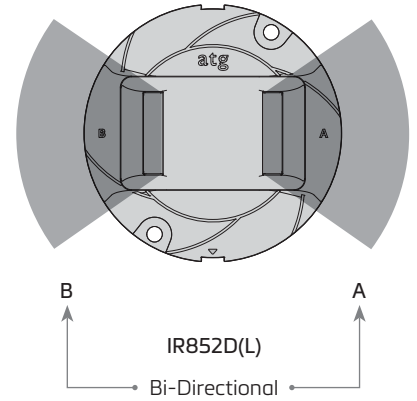
Specification
1 = FAA

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

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

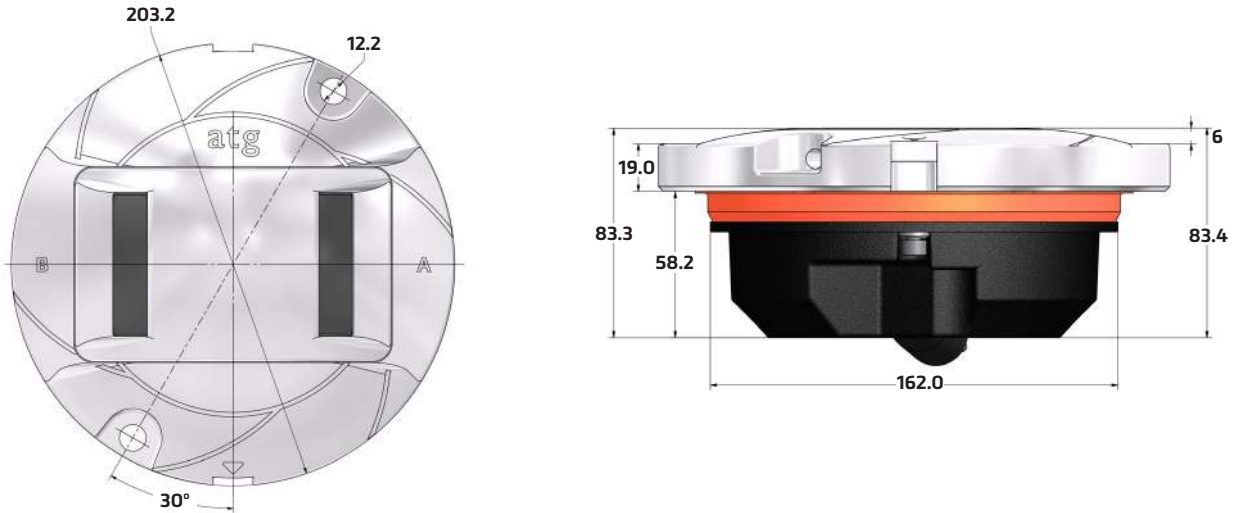
Additional optional features are available upon request

Beam Options



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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.



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IRIS LED AGL
L-852D