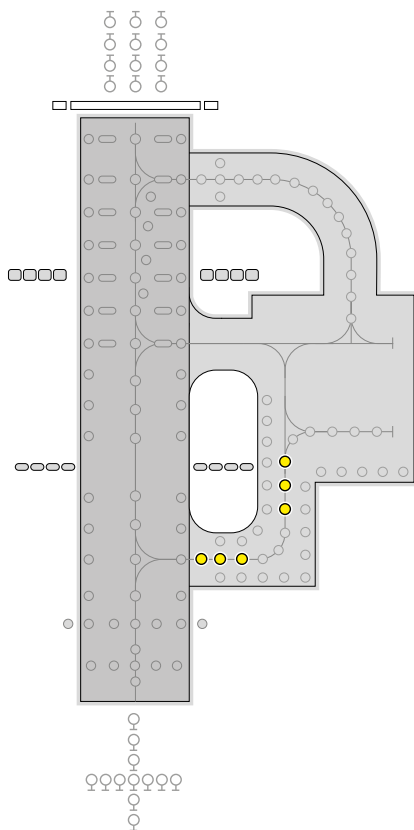


LED technology



IR852A

IRIS LED 8" taxiway
centre line, low intensity
lighting solutions
straight sections



Applications

CAT I airfield ground lighting (agl) systems suitable for operations in RVR > 350m

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)
- ▶ MAA-MADS Issue 7, Fig 6-44

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

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IRIS LED AGL
L-852A

IR852A IRIS LED 8" taxiway centre line, low intensity lighting solutions straight sections



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 4	GRN/GRN	1.38/1.38	12.94 (13.65)	0.947	33.64 (34.97)	0.967
-10 to +10	1 to 4	YEL/YEL	1.05/1.05	12.69 (12.86)	0.985	33.33 (33.83)	0.981
-10 to +10	1 to 4	GRN/YEL	1.35/1.05	12.98 (13.39)	0.969	34.13 (34.97)	0.974
-10 to +10	1 to 4	GRN/BLK	1.38/-	12.14 (12.21)	0.993	33.00 (33.82)	0.985
-10 to +10	1 to 4	YEL/BLK	1.05/-	11.70 (11.73)	0.996	32.80 (33.25)	0.986

* as measured at the input leads of the fixture.

** as measured across the primary winding of 45W 6.6/6.6A 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 Centreline ICAO Fig 2.15 FAA L-852A

Colour	Green
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	20 cds
Main rect. minimum intensity	10 cds
Second rect. minimum intensity	2 cds

Typical Measured Values

Colour	Green
Max/Min Intensity Ratio	1.6
Main rect. average intensity	56 cds
Main rect. maximum intensity (A)	60 cds
Main rect. minimum intensity (B)	38 cds
Second rect. minimum intensity	31 cds

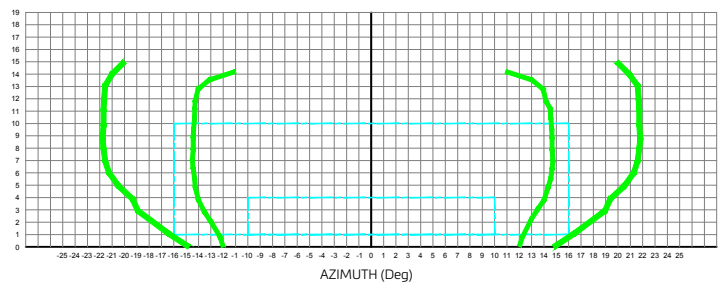
Specification

Colour	Yellow
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	20 cds
Main rect. minimum intensity	10 cds
Second rect. minimum intensity	2 cds

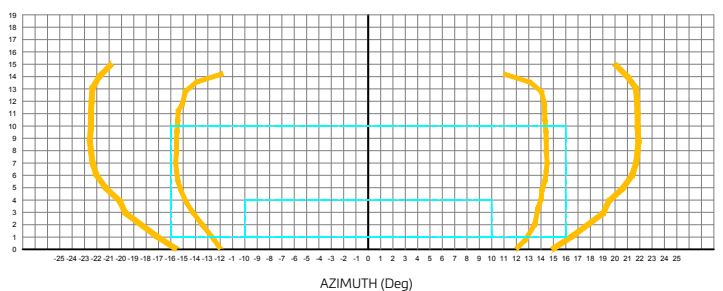
Typical Measured Values

Colour	Yellow
Max/Min Intensity Ratio	2.0
Main rect. average intensity	42 cds
Main rect. maximum intensity (A)	56 cds
Main rect. minimum intensity (B)	28 cds
Second rect. minimum intensity	24 cds

Intensity Chart - IRIS Taxiway Centreline Luminaire (Straight) Green



Intensity Chart - IRIS Taxiway Centreline Luminaire (Straight) Yellow



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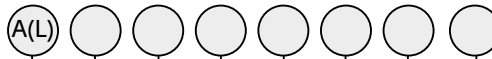
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Ordering Codes IR852



Application
L-852A(L) Taxiway Centreline
Straight (Narrow)

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

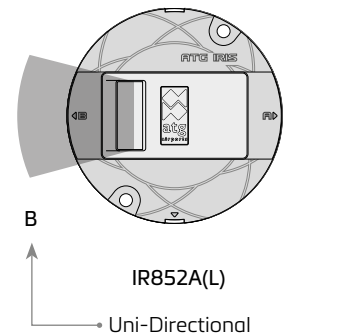
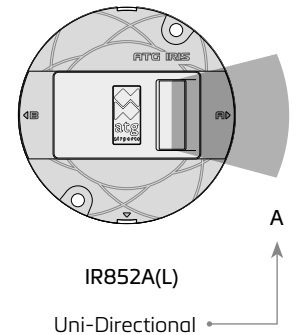
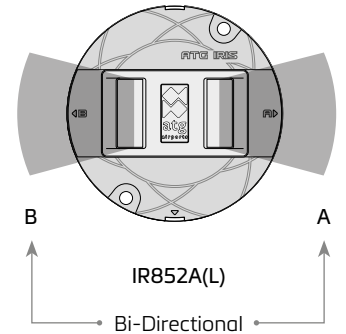
Colour
A Side
G = Green
Y = Yellow
C = Cyan/Green
N = Not Applicable
.....
B Side
G = Green
Y = Yellow
C = Cyan/Green
N = Not Applicable

Specification
1 = FAA
2 = ICAO

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

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

Beam Options



Additional optional features are available upon request

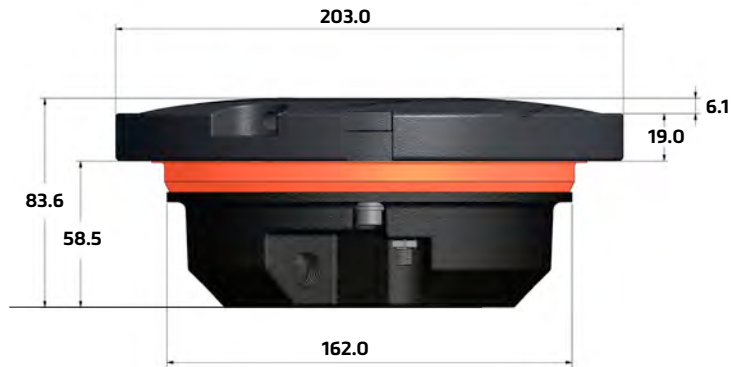
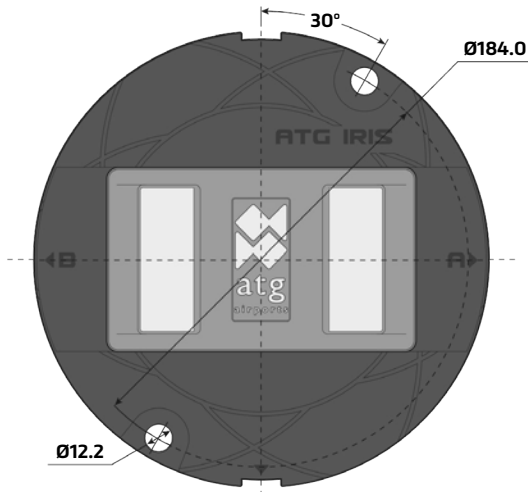
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Dimensions



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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