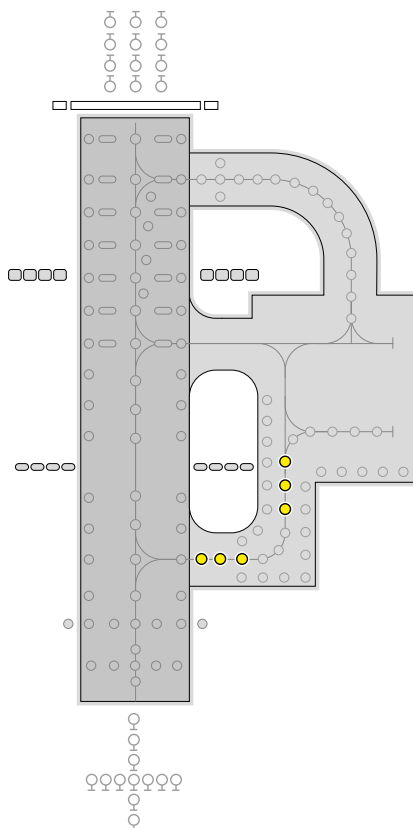


LED technology



IR852C

IRIS LED 8" straight
(narrow) taxiway
centre line high
intensity lighting solutions,
straight sections



Applications

CAT III all weather operation
airfield ground lighting (agl)
systems. Taxiway centreline
applications, lead on,
clearance bars, immediate
holding positions.

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

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IRIS LED AGL
L-852C

IR852C IRIS LED 8" straight (narrow) taxiway centre line high 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
-3.5 to +3.5	1 to 8	GRN/GRN	0.94/0.94	14.60 (14.69)	0.991	23.76 (24.66)	0.965
-3.5 to +3.5	1 to 8	YEL/YEL	1.49/1.49	15.88 (16.05)	0.992	25.50 (26.34)	0.969
-3.5 to +3.5	1 to 8	GRN/YEL	0.94/1.49	15.85 (15.94)	0.993	25.30 (26.19)	0.968
-3.5 to +3.5	1 to 8	GRN/BLK	0.94/-	9.89 (9.92)	0.995	19.15 (19.91)	0.959
-3.5 to +3.5	1 to 8	YEL/BLK	1.49/-	11.32 (11.54)	0.995	20.65 (21.60)	0.965

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 Centreline - Straight (Narrow) Green

Colour	Green
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 (Narrow) Green

Colour	Green
Max/Min Intensity Ratio	2.59
Main rect. average intensity	400 cds
Main rect. maximum intensity (A)	512 cds
Main rect. minimum intensity (B)	197 cds
Second rect. minimum intensity	120 cds

Specification

Taxiway Centreline - Straight (Narrow) Yellow

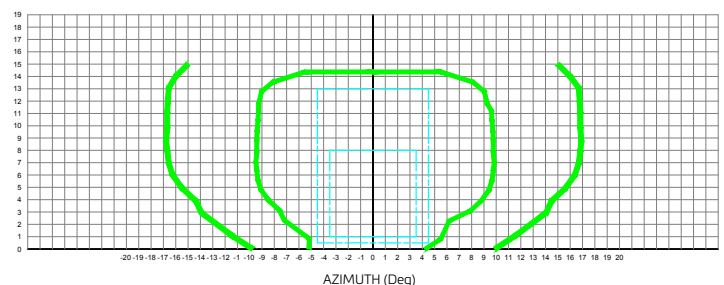
Colour	Yellow
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	200 cds
Main rect. minimum intensity	100 cds
Second rect. minimum intensity	20 cds

Typical Measured Values

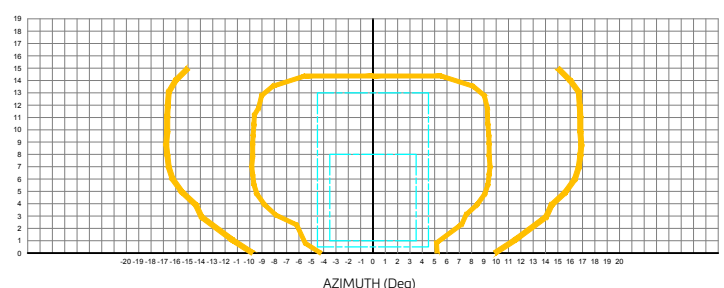
Taxiway Centreline - Straight (Narrow) Yellow

Colour	Yellow
Max/Min Intensity Ratio	1.96
Main rect. average intensity	462 cds
Main rect. maximum intensity (A)	584 cds
Main rect. minimum intensity (B)	299 cds
Second rect. minimum intensity	228 cds

Intensity Chart - IRIS Taxiway Centreline Luminaire (Straight) Green



Intensity Chart - IRIS Taxiway Centreline Luminaire (Straight) Yellow



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high intensity lighting solutions, straight sections



Ordering Codes IR852



Application

L-852C 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

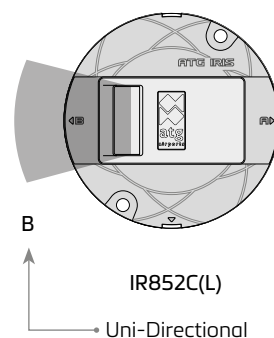
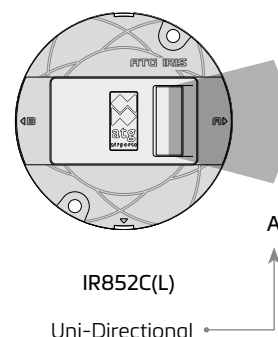
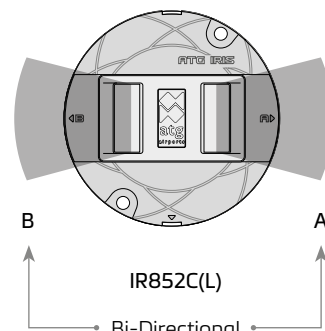
1 = 1 Bi Pin Plug
2 = 2 Bi Pin Plug

Open Circuit (Fail Open) Feature

0 = No Open Circuit
1 = Open Circuit

Additional optional features are
available upon request

Beam Options



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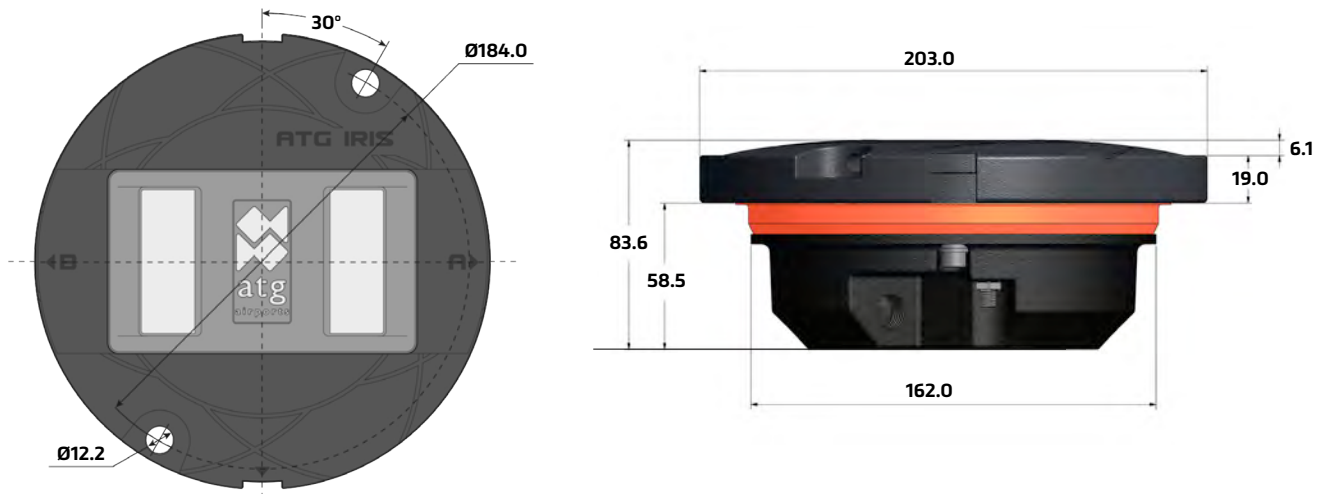
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Dimensions



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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