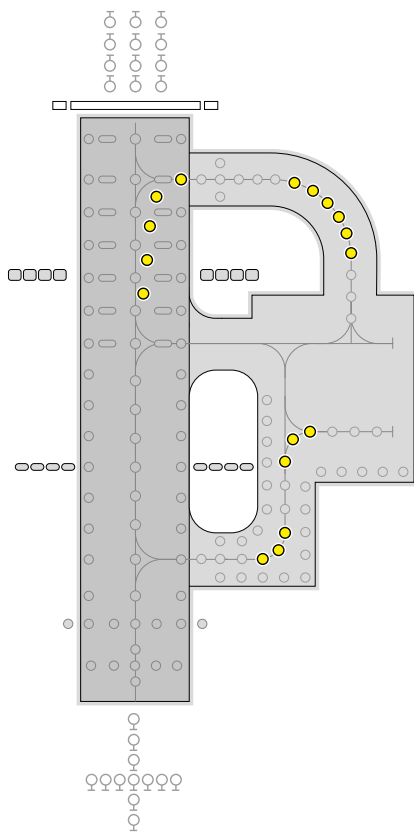


LED technology



IR852D

IRIS LED 8" taxiway centre line, high intensity lighting solutions, curved sections



Applications

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

Compliant with Latest International Standards*

- ▶ 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

IR852D IRIS LED 8" taxiway centre line high intensity lighting solutions, curved 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
-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

* 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 Centre Line - 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

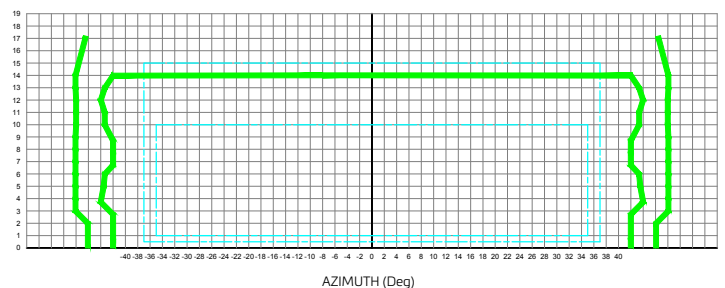
Specification

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

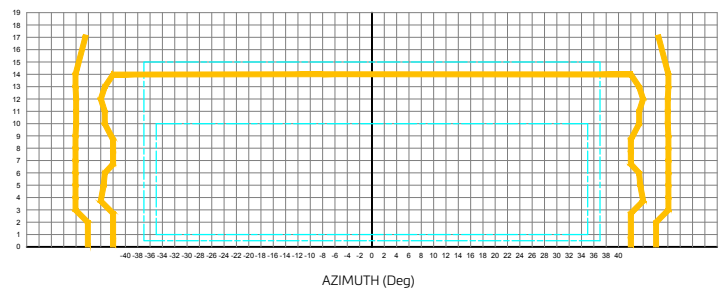
Typical Measured Values

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 (Wide) Green



Intensity Chart - IRIS Taxiway Centreline Luminaire (Wide) Yellow



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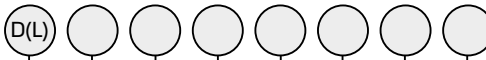
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IRIS LED AGL
L-852D

IR852D IRIS LED 8" taxiway centre line high intensity lighting solutions, curved sections



Ordering Codes IR852



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

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

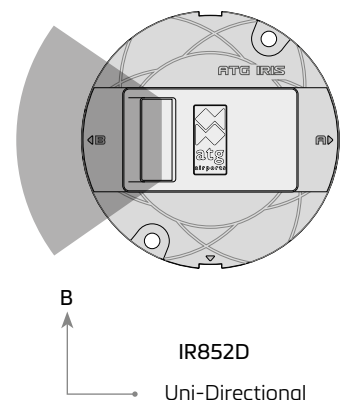
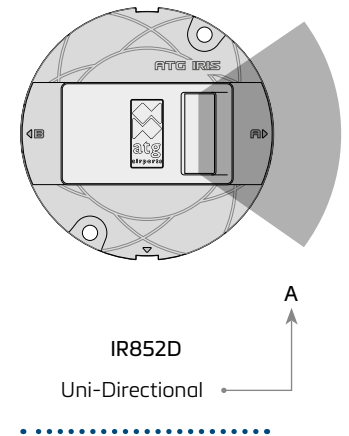
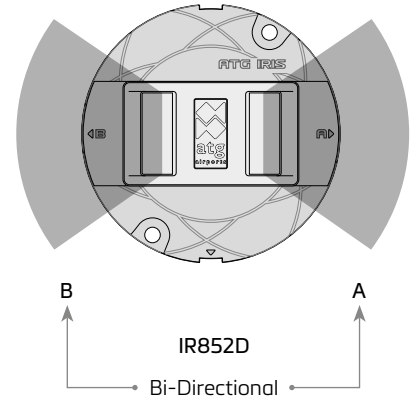
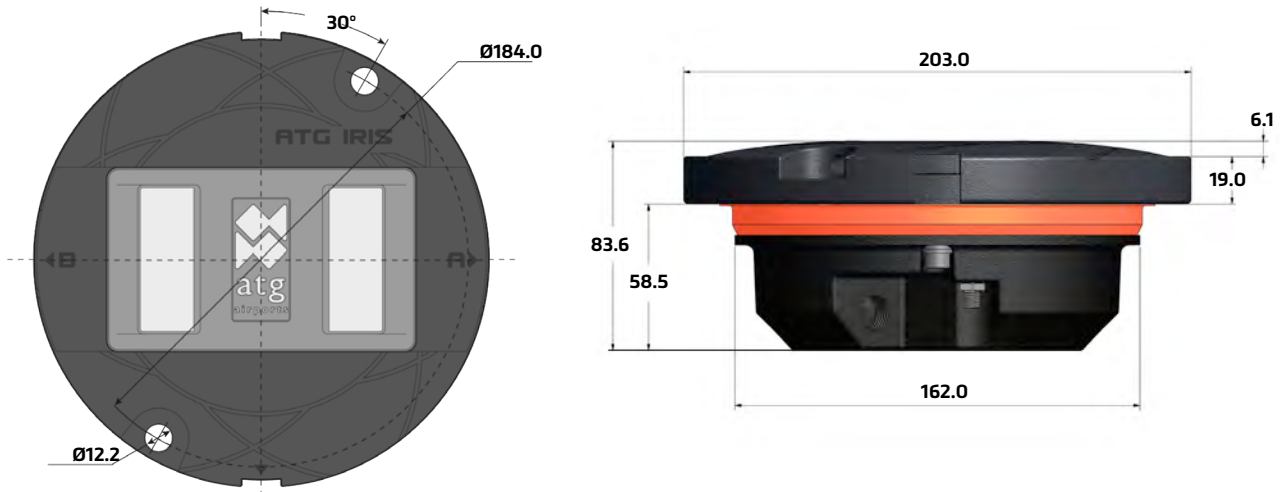


Figure 20, Taxiway Centreline (wide) Cat III

IR852D IRIS LED 8" taxiway centre line high intensity lighting solutions, curved sections

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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IRIS LED AGL
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