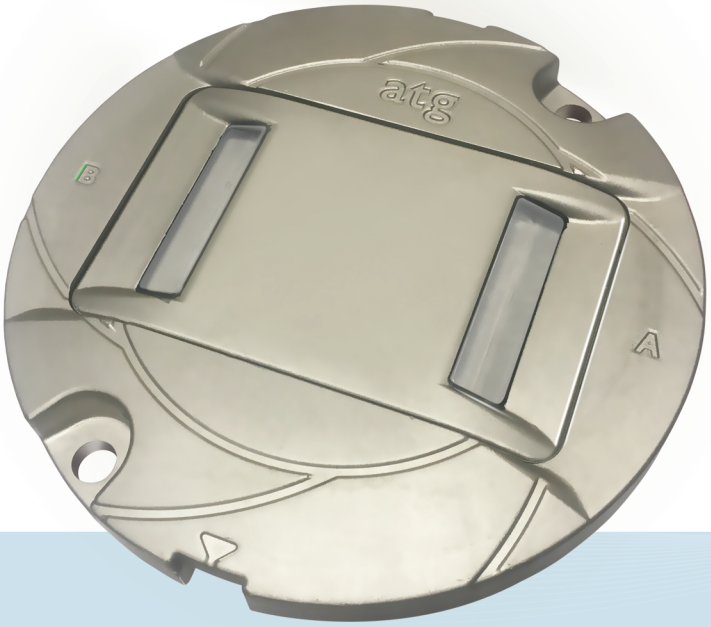
IRIS
setting the standard in airfield lighting

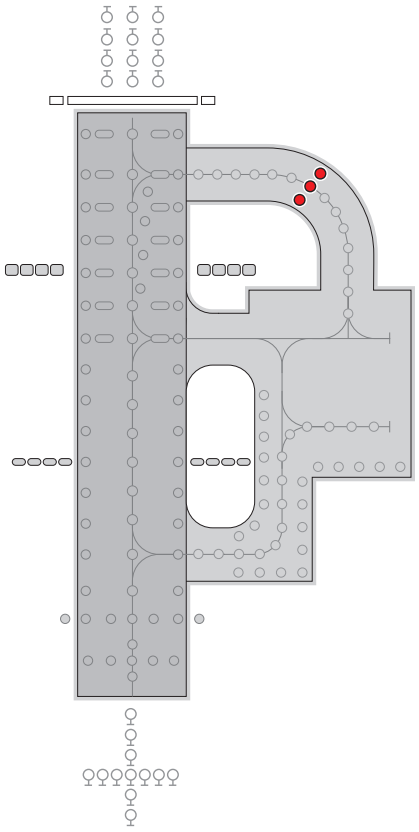
LED technology

atg airports



IR852SK

IRIS LED 8" taxiway stopbar, curved sections, 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 AC150 5345 46†
- FAA Engineering Brief 67†
- IEC61827
- 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

UK: **+44 (0) 1942 68 5555** | USA: **001 (239) 985-9406**

www.atgairports.com enquiries@atgairports.com sales-usa@atgairports.com

IRIS LED AGL
L-852SK

Rev 1 2019

IR852SK IRIS LED 8" taxiway stopbar, curved sections, high intensity lighting solutions

Electrical Performance

Main Beam Aperture		Colour	Typical Power Consumption - Watts (VA) @ 6.6A				
Horiz(°)	Vert(°)		Per Beam Watts	Fitting* Watts (VA)	Fitting* PF	Tx Primary** Watts (VA)	Tx Primary** PF
-3.5 to +35	1 to 10	RED/RED	8.33/8.33	31.22 (31.29)	0.997	41.64 (42.11)	0.989
-3.5 to +35	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.

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

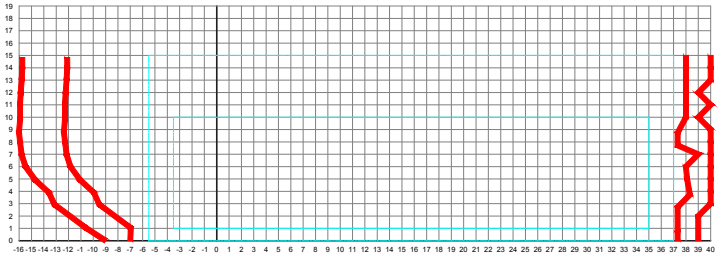
Photometry

Specification

Taxiway stopbar - curved ICAO Fig. A2-14	
Colour	Red
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	100 cds
Main rect. minimum intensity	50 cds
Second rect. minimum intensity	10 cds

Taxiway stopbar - curved ICAO Fig. A2-14 **Stopbar - Curved Beam**	
Colour	Red
Max/Min Intensity Ratio	2.89
Main rect. average intensity	131 cds
Main rect. maximum intensity (A)	182 cds
Main rect. minimum intensity (B)	63 cds
Second rect. minimum intensity	45 cds

Intensity Chart - IRIS Stopbar **(toe-in left)** Red



AZIMUTH (Deg)

Intensity Chart - IRIS Stopbar **(toe-in right)** Red

AZIMUTH (Deg)

IR852SK

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

Ordering Codes:

IR852SK T8 ○ ○ ○ ○ ○ ○ ○ ○

Application
L-852SK(L) Stopbar (Curved)

Beam Type
A Side
3 = Toe in right
0 = Blank

B Side
2 = Toe in left
0 = Blank

Colour
A Side
R = Red
N = Not Applicable

B Side
R = Red
N = Not Applicable

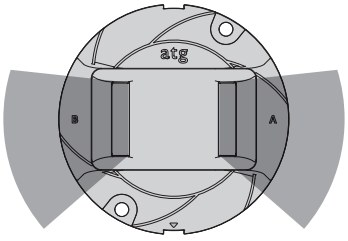
Specification
2 = ICAO

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

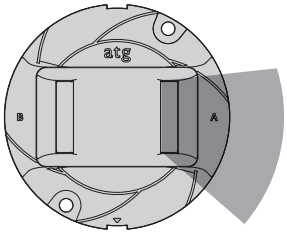
Fixture Monitoring - Fail Open Feature
0 = No Open Circuit
1 = Open Circuit

Additional optional features are available upon request

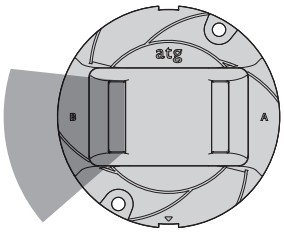
Beam Options



IR850SK(L)
Bi-Directional



IR850SK(L)
Uni-Directional
(Side A)



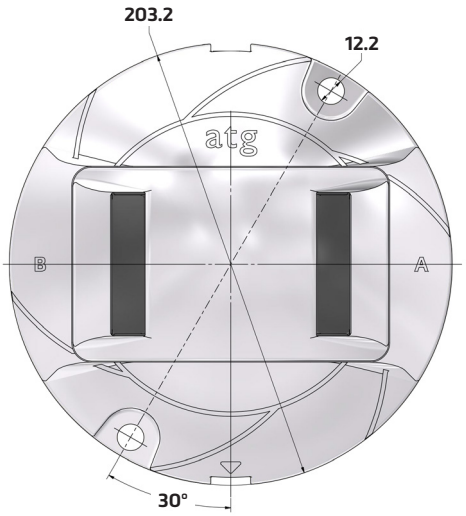
IR850SK(L)
Uni-Directional
(Side B)

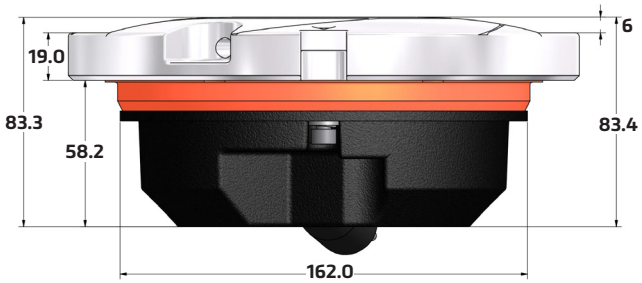
UK: **+44 (0) 1942 68 5555** | USA: **001 (239) 985-9406**

www.atgairports.com enquiries@atgairports.com sales-usa@atgairports.com

IR852SK IRIS LED 8" taxiway stopbar, curved sections, high intensity lighting solutions

Dimensions





Packaging

- Net weight 3.12Kg
- Gross weight 3.52 (boxed)
- Box 260mm (L) x 260mm (W) x 175mm (H)

*Dimensions are nominal

Consultants specification and installation infomation 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.

Head Office:
atg airports ltd
Lowton Business Park | Newton Road
Lowton St. Mary's | Warrington
WA3 2AP | United Kingdom