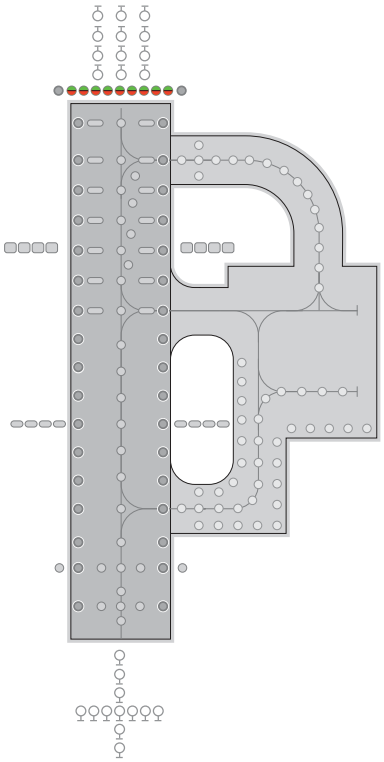
LED technology

IR956L

LED elevated bi-directional threshold/end medium intensity lighting solutions



Applications

medium Intensity airfield ground lighting (agl) systems

Compliant with Latest International Standards*

- CASA MOS Part 139
- 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

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

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

IR956L LED elevated bi-directional threshold/end medium 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
-19 to +19	0 to 7	CYN/RED	6.0/6.0	38.9 (39.4)	0.975	41.8 (42.8)	0.953

Fixture Operational Current Range: 2.6 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"). CCR shall be suitably sized for the indicated transformer VA for the relevant isolating transformer utiltised.

Notes: 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 > IP24

Photometry

Specification

Medium Intensity Threshold MOS Part 139 - Para. 9.57 Fig 9.75(1)

Colour	Green-Cyan
Max/Min Intensity ratio	<3.0
Main rect. average intensity	200-900 cds
Main rect. minimum intensity	100-300 cds
Second rect. minimum intensity	50 cds

Typical Measured Values

Colour	Green-Cyan
Max/Min Intensity ratio	2.64
Main rect. average intensity	276 cds
Main rect. maximum intensity (A)	304 cds
Main rect. minimum intensity (B)	115 cds
Second rect. minimum intensity	80 cds

Specification

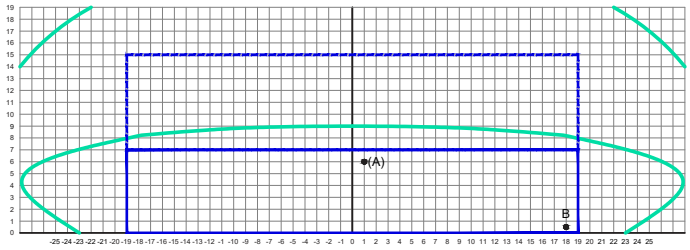
Medium Intensity Runway End MOS Part 139 - Para. 9.65 Fig 9.75(1)

Colour	Red
Max/Min Intensity ratio	<3.0
Main rect. average intensity	50-300 cds
Main rect. minimum intensity	25-150 cds
Second rect. minimum intensity	5 cds

Typical Measured Values

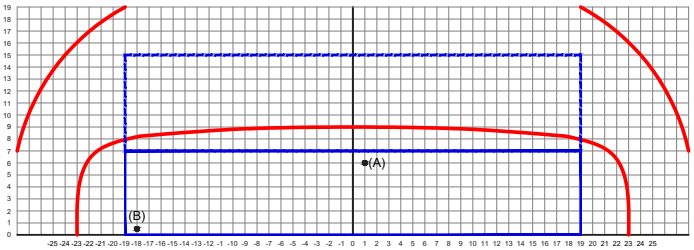
Colour	Red
Max/Min Intensity ratio	2.48
Main rect. average intensity	84 cds
Main rect. maximum intensity (A)	124 cds
Main rect. minimum intensity (B)	50 cds
Second rect. minimum intensity	13 cds

Intensity Chart - IR956L Bi-Directional Medium Intensity Threshold (Inner)



AZIMUTH (Deg)

Intensity Chart - IR956L Bi-Directional Medium Intensity Runway End



AZIMUTH (Deg)

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

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

Rev 4 - 2020

IR956L

LED elevated bi-directional threshold/end medium intensity lighting solutions

Ordering Codes

IR 956L ○ ○ ○ ○ ○ ○

Application
Medium intensity bi-directional threshold (inner) runway end

Beam Type
A Side
5 = Straight (Wide)

B Side
5 = Straight (Wide)

Colour
A Side
C = Cyan/Green

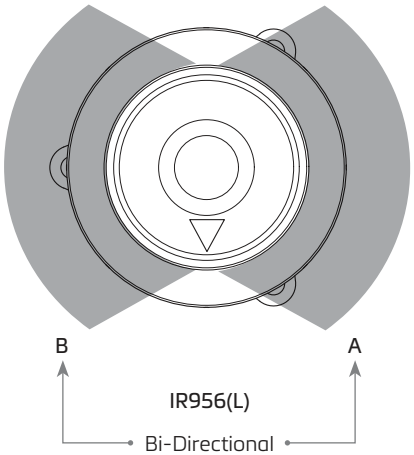
B Side
R = Red

Specification
3 = MOS139

Mounting
0 =No Stem or Frangible Coupling
1 = Frangible M32 (1 1/4")
Threaded Mounting Stem
H * = 356mm (14")
2 = 32mm (1 1/4") Solid Stem
with 50.8mm (2") Frangible
Coupling, 11.5 TPI
H *= 356mm (14")**

* Overall fitting mounting height when fitted to an L867 mounting plate

Beam Options



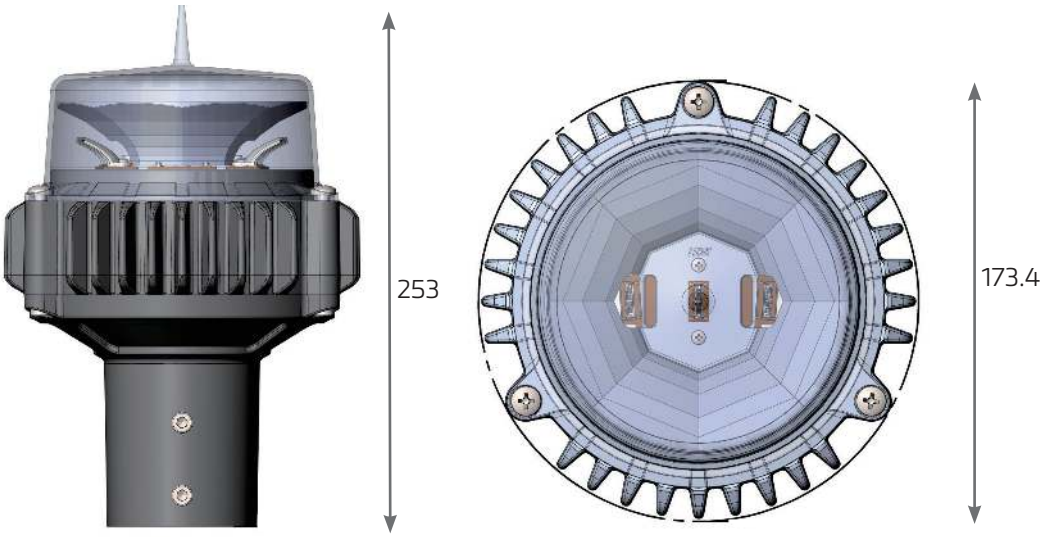
UK: +44 (0) 1942 68 5555 | USA: 001 (239) 985-9406

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

IR956L

LED elevated bi-directional threshold/end medium intensity lighting solutions

Dimensions



Packaging

- Net weight 3.0Kg
- Gross weight 3.3 (boxed)
- Box 350mm (L) x 218mm (W) x 216mm (H)

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

THINK BEFORE YOU PRINT

ISO 9001:2015 Quality Management

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

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

Rev 4 - 2020