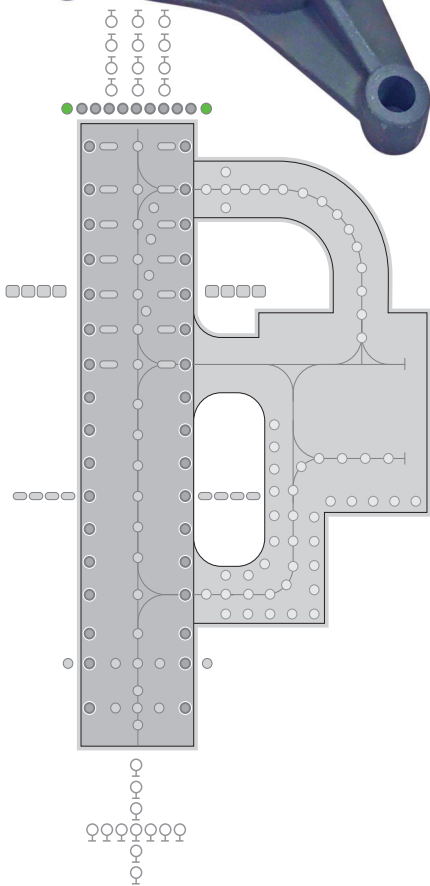


LED technology



IR952L

LED elevated omni-directional outer threshold 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

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Electrical Performance

Main Beam Aperture		Colour	Per Beam Watts	Typical Power Consumption - Watts (VA) @ 6.6A			
Horiz(°)	Vert(°)			Fitting [*]		Tx Primary ^{**}	
				Watts (VA)	PF	Watts (VA)	PF
0 to 359	0 to 7	CYN/GRN	15	37 (38.0)	0.975	40.6 (42.0)	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 utilised.

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

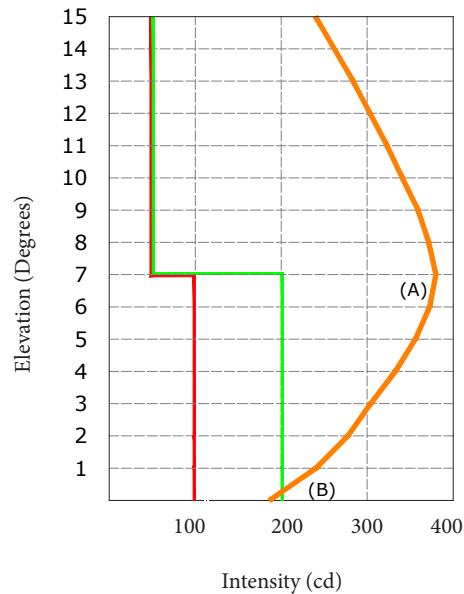
Specification

Medium Intensity Threshold (outer) Edge MOS Part 139 - Para. 9.57 Fig 9.75(1)	
Colour	Green-Cyan
Max/Min Intensity ratio	<3.0
Main rect. average intensity range	200-900 cds
Main rect. minimum intensity range	100 -450 cds
Second rect. minimum intensity	50 cds

Typical Measured Values

Colour	Green-Cyan
Max/Min Intensity ratio	2.64
Main rect. average intensity	278 cds
Main rect. maximum intensity (A)	384 cds
Main rect. minimum intensity (B)	180 cds
Second rect. minimum intensity	242 cds

Intensity Chart - Iris Medium Intensity Runway Outer Threshold. Cyan Green



- IR952L - Performance @ 6.6A
- MOS139 Runway Edge Low Intensity: Fig 9.75(1) Minimum Individual Intensity (100cds)
- MOS139 Runway Edge Low Intensity: Fig 9.75(1) Minimum Average Intensity (200cds)

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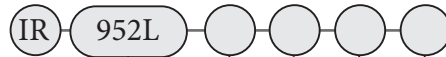
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Ordering Codes



Application
Medium intensity omni-directional outer threshold

Beam Type
7 = Omni directional (360°)

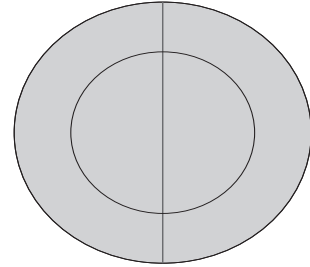
Colour
C = Cyan/Green

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")**

Ordering Codes

Beam Options



IR952L
Omni Directional

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

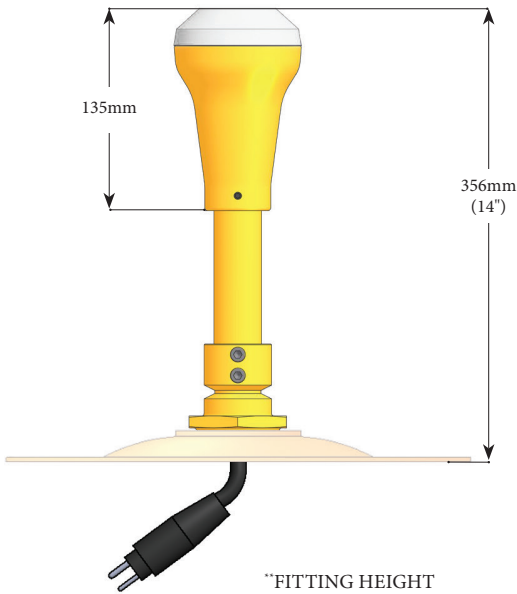
** for variable brilliancy applications, external electronics will be required contact atg airports sales department

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Dimensions

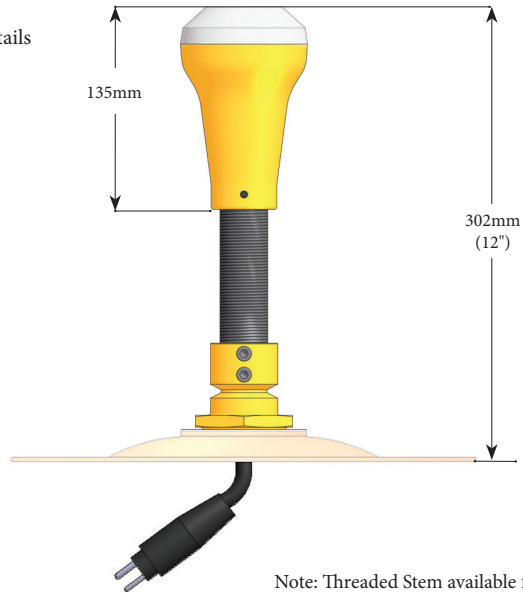
Standard Configuration



**FITTING HEIGHT
356mm (14") standard fitting height. Dimensions based on L867 Base Mounting Plate.

Typical Installation Details
Mounting Plates
sold separately.

Frangible Threaded Stem Option



Note: Threaded Stem available for direct mounting into Spun Ground Mounting Plate or Mounting Spike. Only available in 302mm (12") fitting height.

Packaging

- ▶ Net weight 0.86kg ▶ Gross weight 1.0kg (boxed) ▶ Box 360mm (L) x 120mm (W) x 120mm (H)



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