

LED technology

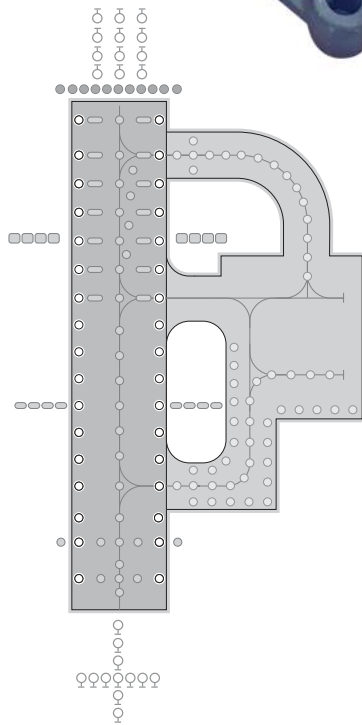


IR958L

LED elevated omni-directional runway edge 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

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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
0 to 359	1 to 7	WHT	15	37.0 (38.0)	0.971	40.0 (42.0)	0.945

Fixture Operational Current Range: 2.6 to 6.7A RMS

Notes: Isolating transformer shall be suitably sized to accommodate specific secondary and other applicable losses. This fixture requires the use of the [ZL836 power converter](#), and all electrical calculations are based on this device in circuit

* 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.

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

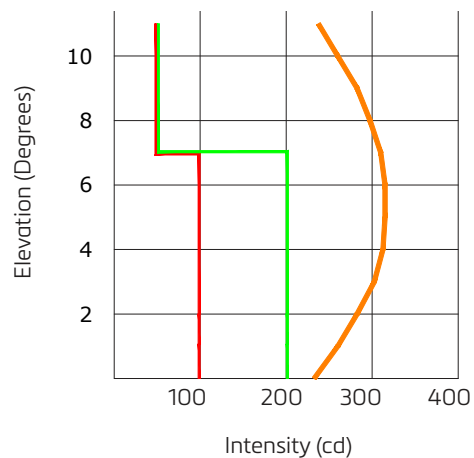
Medium Intensity Runway Edge MOS Part 139 - 9.52 Fig 9.75(2)

Colour	White
Max/Min Intensity ratio	<3.0
Main rect. average intensity range	200-600 cds
Main rect. minimum intensity range	100-300 cds
Second rect. minimum intensity	50 cds

Typical Measured Values

Colour	White
Max/Min Intensity ratio	1.75
Main rect. average intensity	214 cds
Main rect. maximum intensity (A)	262 cds
Main rect. minimum intensity (B)	150 cds
Second rect. minimum intensity	165 cds

Intensity Chart - Iris medium Intensity Runway Edge. White



- IR958L - Performance @ 6.6A
- MOS139 Runway Edge medium Intensity: Fig 9.75(2) Minimum Individual Intensity (100cds)
- MOS139 Runway Edge medium Intensity: Fig 9.75(2) Minimum Average Intensity (200cds)

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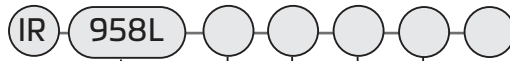
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Ordering Codes



Application
Medium intensity omni-directional runway edge

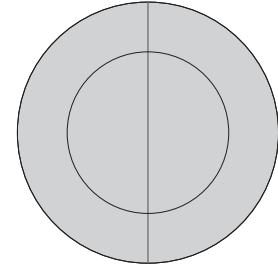
Beam Type
7 = Omni directional (360°)

Colour
W = White

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")**

Beam Options



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Omni Directional

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

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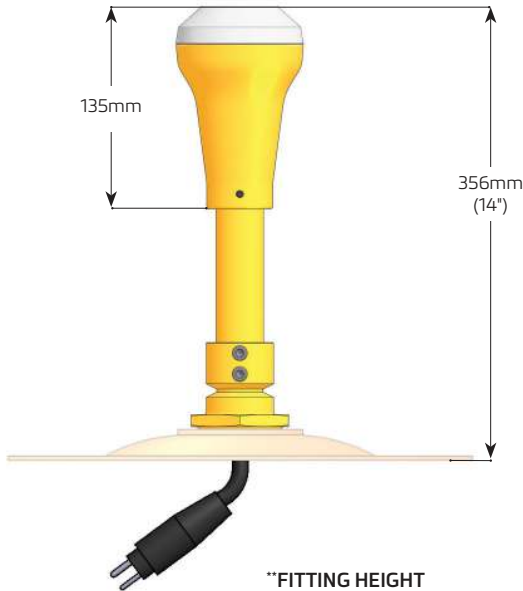
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Dimensions

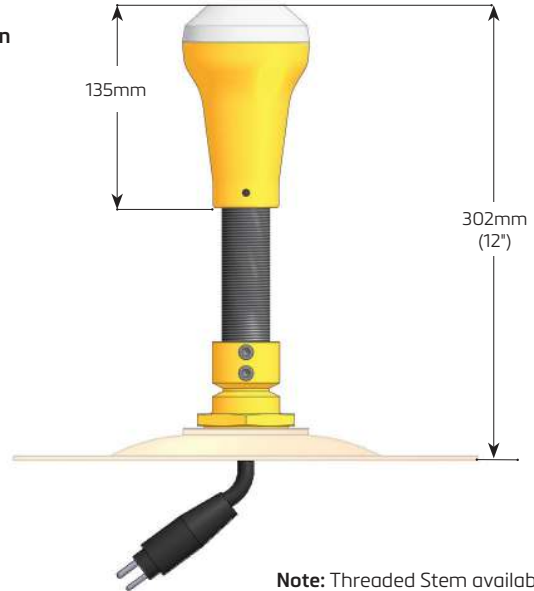
Standard Configuration



"FITTING HEIGHT"
356mm (14") standard fitting height. Extendable from 356mm (14") in increments of 50.8mm (2") to a maximum 762mm (30") for FAA applications in snow areas. 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.



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