

LED technology

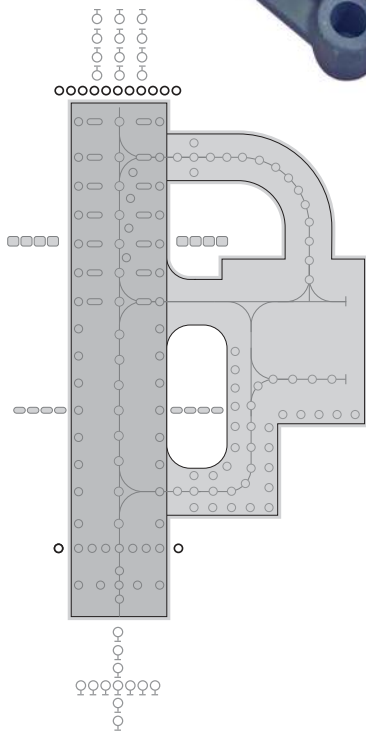


IR906L

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

Applications

Low 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		
-19 to +19	0 to 7	CYN/RED	1.5/1.5	18.9 (19.4) 0.975	21.8 (22.8) 0.953		

Fixture Operational Current Range: 6.5 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

Low 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	100-300 cds
Main rect. minimum intensity	50-150 cds
Second rect. minimum intensity	25 cds

Typical Measured Values

Colour	Green-Cyan
Max/Min Intensity ratio	2.64
Main rect. average intensity	138.4 cds
Main rect. maximum intensity (A)	152 cds
Main rect. minimum intensity (B)	57.5 cds
Second rect. minimum intensity	38.2 cds

Specification

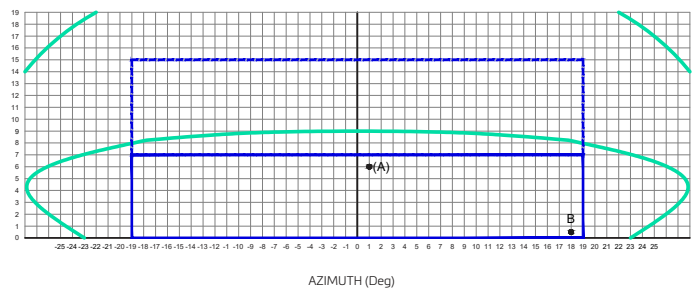
Low Intensity Runway End MOS Part 139 - Para. 9.65 Fig 9.75(1)

Colour	Red
Max/Min Intensity ratio	<3.0
Main rect. average intensity	25-100 cds
Main rect. minimum intensity	12.5-50 cds
Second rect. minimum intensity	2.5 cds

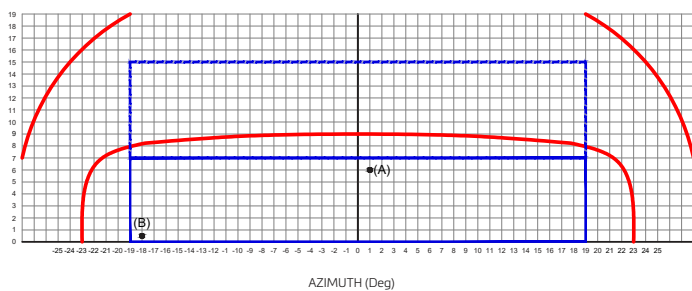
Typical Measured Values

Colour	Red
Max/Min Intensity ratio	2.48
Main rect. average intensity	42 cds
Main rect. maximum intensity (A)	62 cds
Main rect. minimum intensity (B)	25 cds
Second rect. minimum intensity	6.6 cds

Intensity Chart - IR906L Bi-Directional Low Intensity Threshold (Inner)



Intensity Chart - IR906L Bi-Directional Low Intensity Runway End



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LED AGL
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Ordering Codes



Application
Low intensity bi-directional (inner) runway end

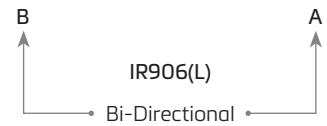
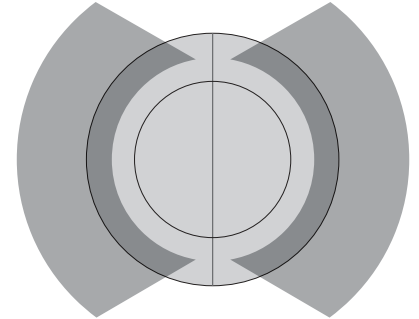
Beam Type
A Side
5 = Straight (Wide)
B Side
5 = Straight (Wide)

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")**

Beam Options

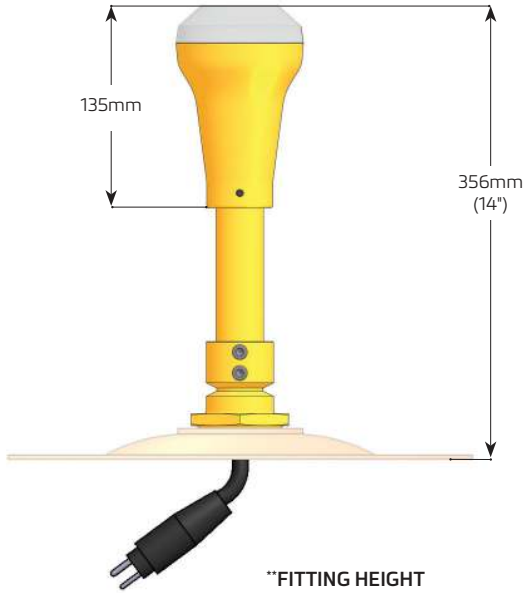


* Overall fitting mounting height when fitted to an L867 mounting plate

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Dimensions

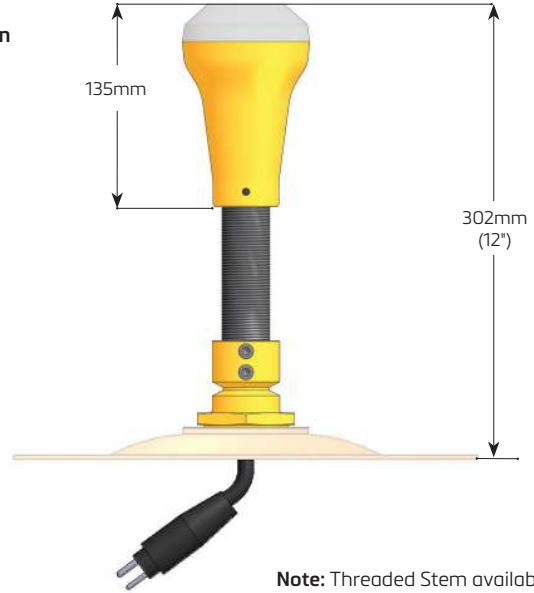
Standard Configuration



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.

Note: The supplied relector dome is clear as the colour is created by the LED assembly.

Packaging

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



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