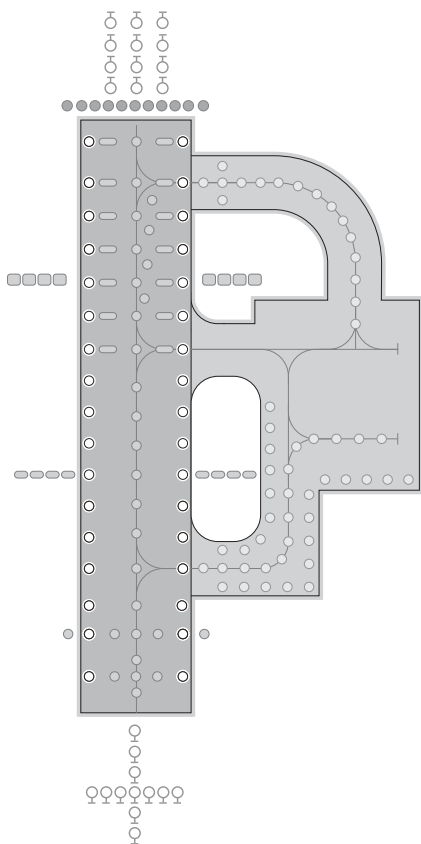


LED technology



IR909L

LED 8" omni directional runway edge 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
0 to 359	1 to 7	WHT	7.5	18.9 (19.4)	0.975	21.8 (22.8)	0.953

Fixture Operational Current Range: 6.5 to 6.7A RMS

Notes: Isolating transformer shall be suitably sized to accommodate specific secondary and other applicable losses.

* 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 IP67

Photometry

Specification

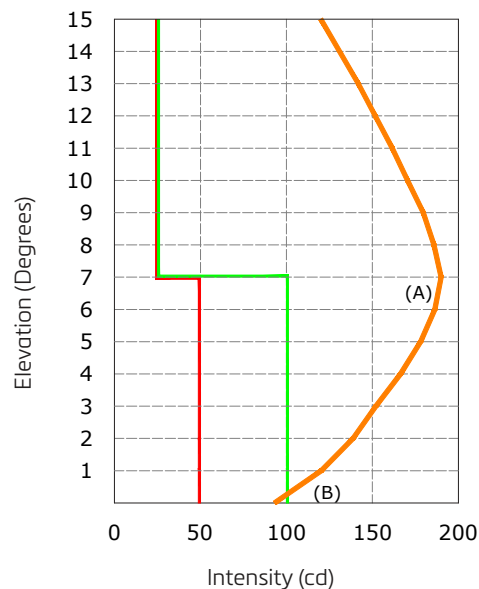
Low Intensity Runway Edge MOS Part 139 - Para. 9.52 Fig 9.75(1)

Colour	White
Max/Min Intensity ratio	<3.0
Main rect. average intensity range	100-200 cds
Main rect. minimum intensity range	50-100 cds
Second rect. minimum intensity	25 cds

Typical Measured Values

Colour	White
Max/Min Intensity ratio	2.9
Main rect. average intensity	121.3 cds
Main rect. maximum intensity (A)	183 cds
Main rect. minimum intensity (B)	62.6 cds
Second rect. minimum intensity	116.4 cds

Intensity Chart - Iris Low Intensity Runway Edge. White



- IR909L - Performance @ 6.6A
- MOS139 Runway Edge Low Intensity: Fig 9.75(1) Minimum Individual Intensity (50cds)
- MOS139 Runway Edge Low Intensity: Fig 9.75(1) Minimum Average Intensity (100cds)

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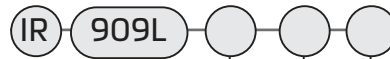
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IR909L LED 8" omni directional runway edge low intensity lighting solutions



Ordering Codes



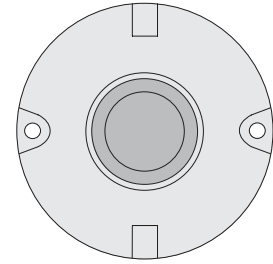
Application
Low intensity omni runway edge

Beam Type
7 = Omni directional (360°)

Colour
W = White

Specification
3 = MOS139

Beam Options

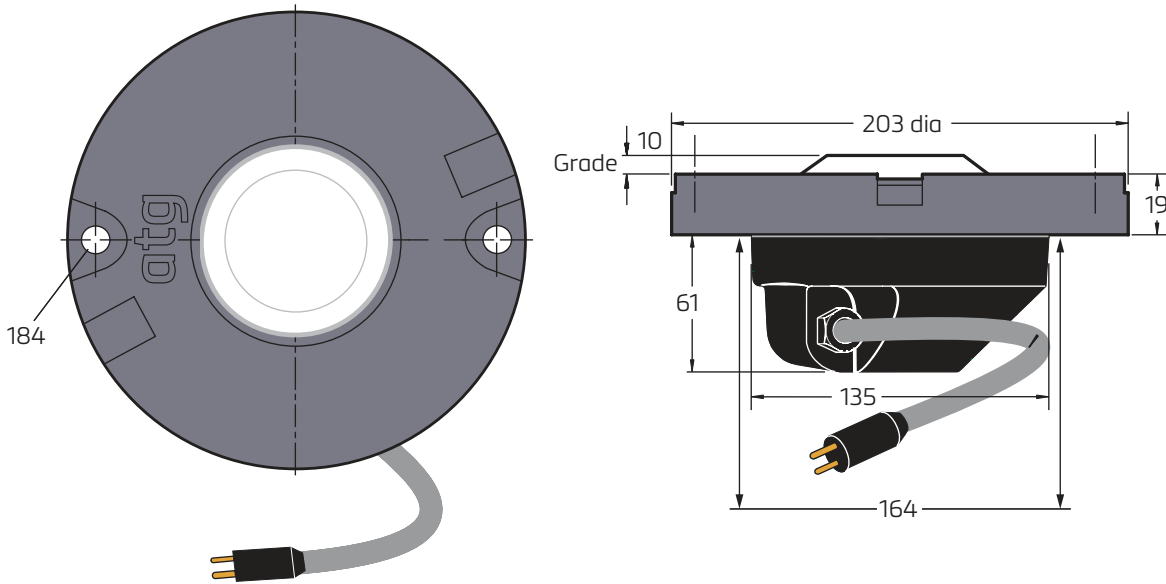


IR909L
Omni Directional 360°

IR909L LED 8" omni directional runway edge low intensity lighting solutions



Dimensions



Packaging

▶ Net weight 3kg ▶ Gross weight 3.5kg ▶ Box 230mm(w) x 230mm(d) x 146mm(h)

*Dimensions are nominal



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

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