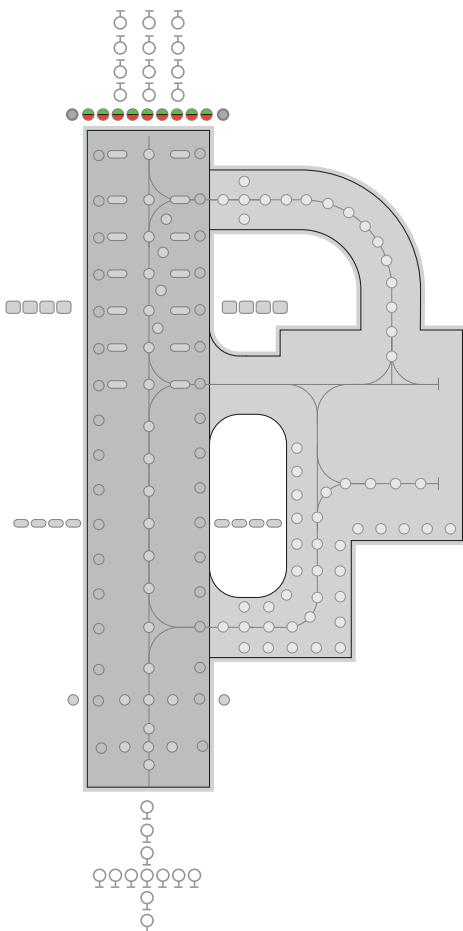




# IR907L

LED 8" bi-directional  
threshold / runway 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	3.2/3.2	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").

**Note:** 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 IP67

## 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

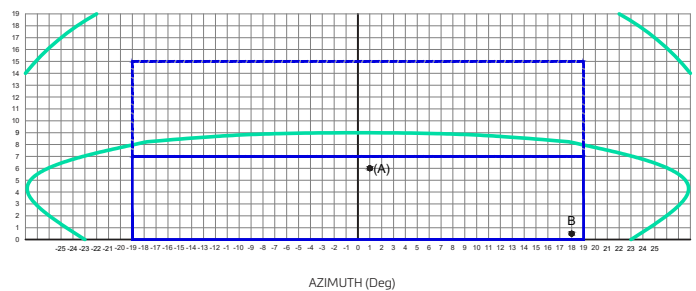
**Low Intensity Runway End MOS Part 139 - Para. 9.65 Fig 9.75(1)**

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

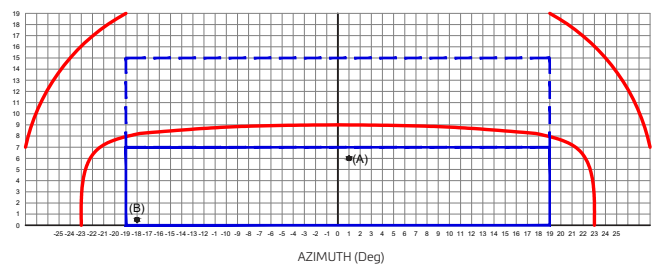
### Typical Measured Values

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 - IR907L Bi-Directional Low Intensity threshold (Inner)



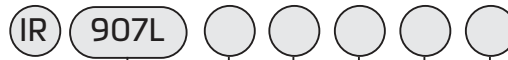
Intensity Chart - IR907L Bi-Directional Low Intensity runway end  
Intensity Chart - IR907L Bi-Directional Low Intensity Threshold (Inner) / Runway End



# IR907L LED 8" Bi-directional threshold / runway end low intensity lighting solutions



## Ordering Codes



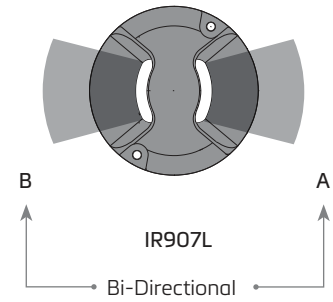
**Application**  
Low intensity bi-directional threshold / runway end

**Beam Type**  
**A Side**  
5 = Wide  
 .....  
**B Side**  
5 = Wide

**Colour**  
**A Side**  
C = Cyan/Green  
 .....  
**B Side**  
R = Red

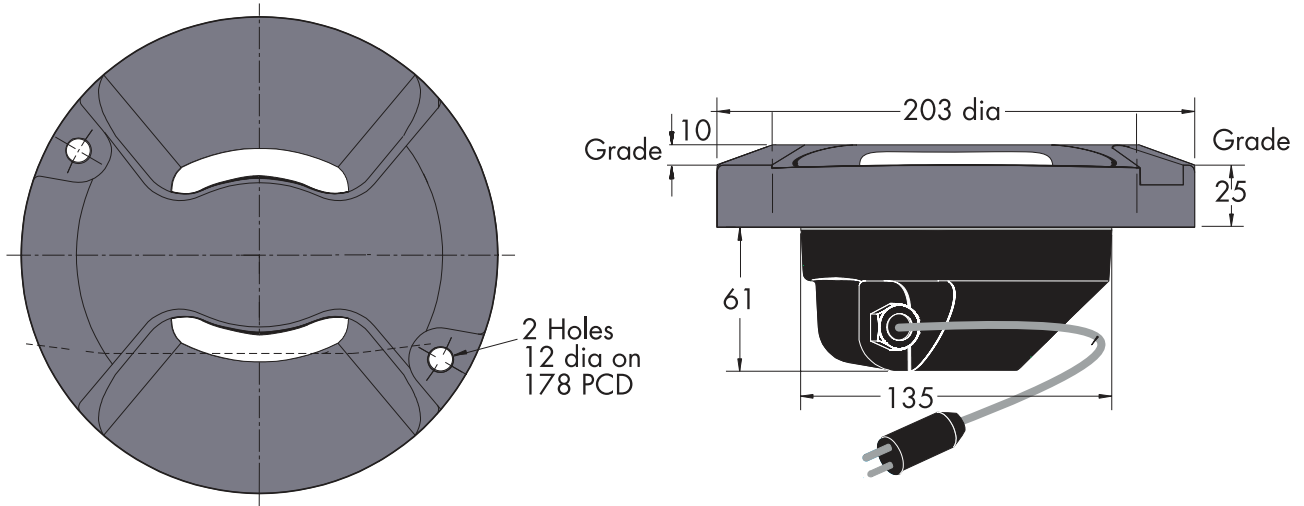
**Specification**  
3 = MOS139

## Beam Options



# IR907L LED 8" bi-directional threshold / runway end low intensity lighting solutions

## Dimensions



## Packaging

▶ Net weight 3.12Kg ▶ Gross weight 3.52Kg (boxed) ▶ Box 260mm (L) x 260mm (W) x 175mm (H)

\*Dimensions are nominal



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LED AGL  
**IR907L**