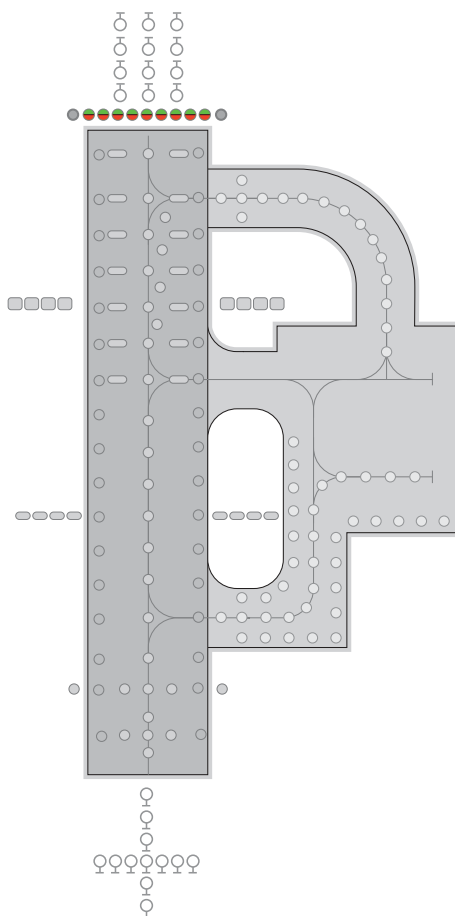


Tungsten halogen



# ZA957

8" bi-directional  
threshold / runway end  
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

UK: +44 (0) 1942 68 5555 | USA: 001 (239) 985-9406

ZA957

# ZA957 8" bi-directional threshold / runway end medium intensity lighting solutions

## Electrical Performance

2 x 45 watts lamp, operates from 100 watt series transformer

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.

## 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

Medium 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	200-900 cds
Main rect. minimum intensity	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	260 cds
Main rect. maximum intensity (A)	304 cds
Main rect. minimum intensity (B)	115 cds
Second rect. minimum intensity	79 cds

### Specification

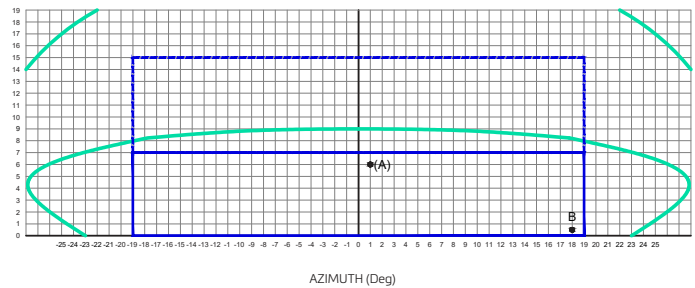
Low Intensity Runway End MOS Part 139 - Para. 9.65 Fig 9.75(1)

Colour	Red
Max/Min Intensity ratio	<3.0
Main rect. average intensity	50 -300 cds
Main rect. minimum intensity	25 -150 cds
Second rect. minimum intensity	5.0 cds

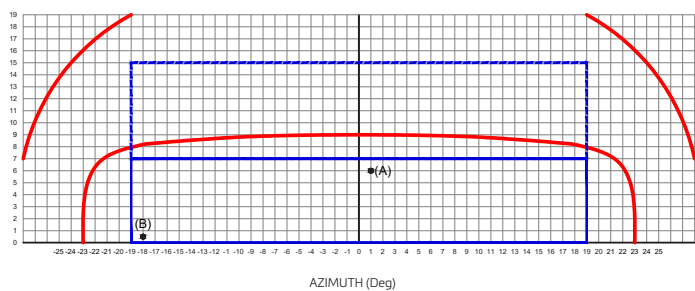
### Typical Measured Values

Colour	Red
Max/Min Intensity ratio	2.48
Main rect. average intensity	84 cds
Main rect. maximum intensity (A)	124 cds
Main rect. minimum intensity (B)	50 cds
Second rect. minimum intensity	13 cds

Intensity Chart - ZA957 Medium Intensity threshold (Inner)



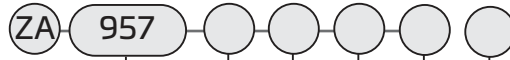
Intensity Chart - ZA957 Medium Intensity runway end



# ZA957 8" Bi-directional threshold / runway end medium intensity lighting solutions



## Ordering Codes



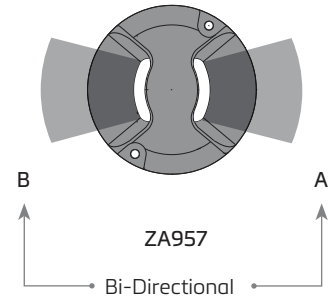
**Application**  
Medium intensity bi-directional threshold / runway end

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

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

**Specification**  
3 = MOS139

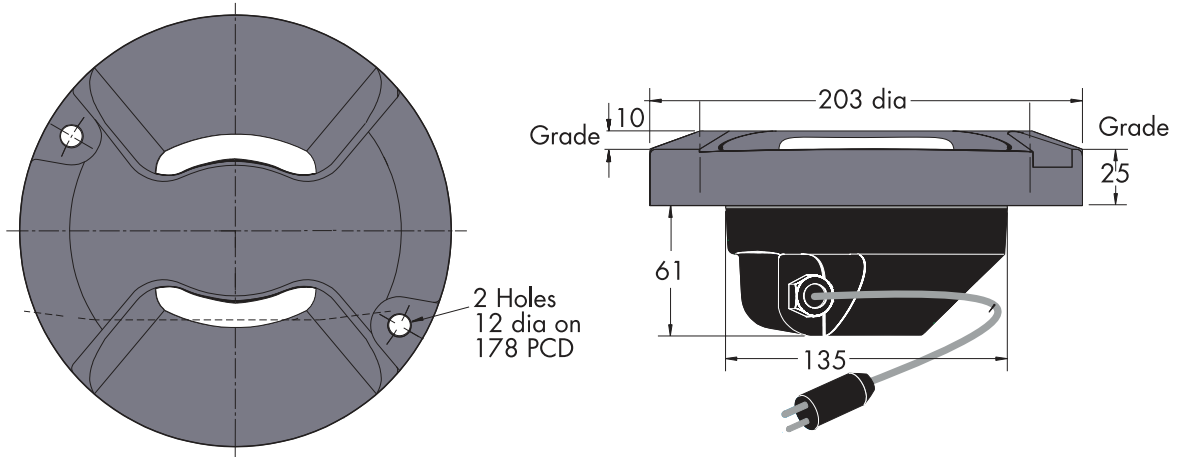
## Beam Options



# IR957

8" bi-directional threshold / runway end  
medium 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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ZA957