

Tungsten halogen technology



# ZA958

Elevated omni-directional runway edge medium intensity lighting solutions

## Applications

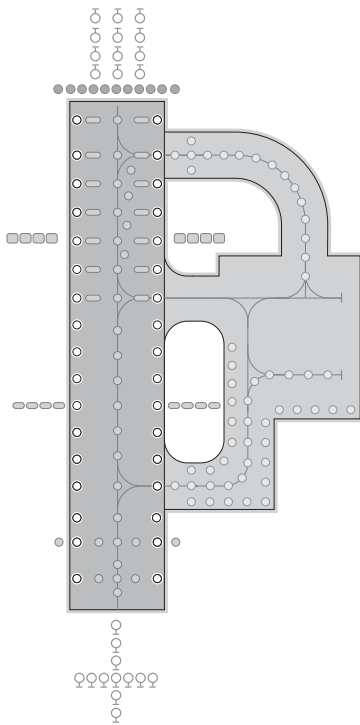
medium Intensity airfield ground lighting (agl) systems

## Compliant with Latest International Standards\*

- ▶ CASA MOS Part 139
- ▶ ICAO Annex 14. Vol 1†
- ▶ FAA AC 150/5345-46†
- ▶ 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



ZA958

## Electrical Performance

65 watts PK30d lamp, operates from 65 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 > IP24

## Photometry

### Specification

#### Medium Intensity Runway Edge MOS Part 139 - Para. 9.63 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	2.65
Main rect. average intensity	424 cds
Main rect. maximum intensity (A)	541 cds
Main rect. minimum intensity (B)	204 cds
Second rect. minimum intensity	165 cds

Colour	Red
Max/Min Intensity ratio	<3.0
Main rect. average intensity range	50-300 cds
Main rect. minimum intensity range	25 -100 cds
Second rect. minimum intensity	5 cds

### Typical Measured Values

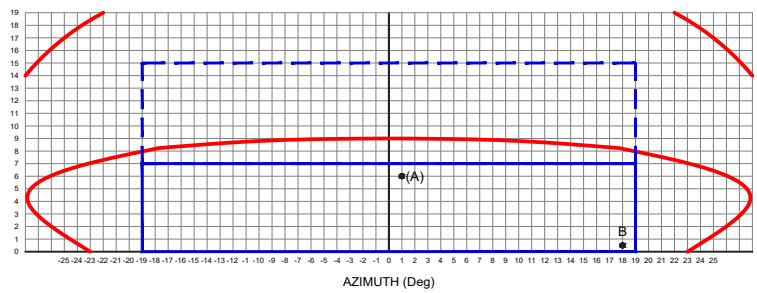
Colour	Red
Max/Min Intensity ratio	2.43
Main rect. average intensity	177 cds
Main rect. maximum intensity (A)	245 cds
Main rect. minimum intensity (B)	101 cds
Second rect. minimum intensity	53 cds

Colour	Green
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

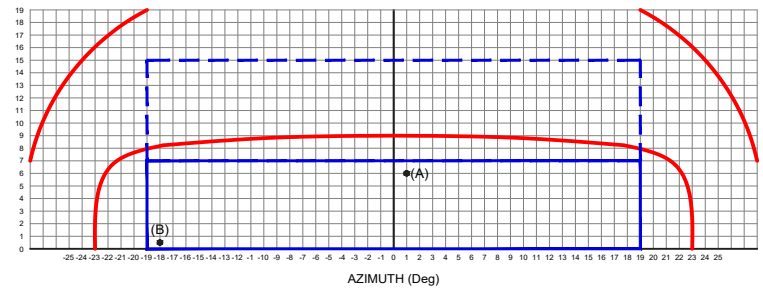
### Typical Measured Values

Colour	White
Max/Min Intensity ratio	2.48
Main rect. average intensity	228 cds
Main rect. maximum intensity (A)	342 cds
Main rect. minimum intensity (B)	138 cds
Second rect. minimum intensity	113 cds

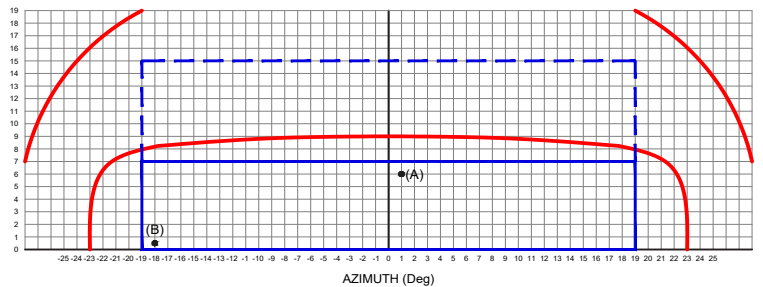
Intensity Chart - Elevated Runway Edge Luminaire - White



Intensity Chart - Elevated Runway Edge Luminaire - Red



Intensity Chart - Elevated Runway Edge Luminaire - Green

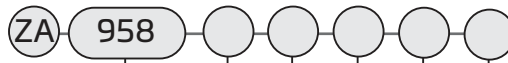


# ZA958

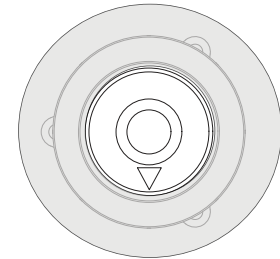
Elevated omni-directional runway  
edge medium intensity lighting solutions



## Ordering Codes



## Beam Options



ZA958  
Omni Directional

**Application**  
Medium intensity omni-directional  
runway edge

**Beam Type**  
7 = Omni directional (360°)

**Colour**  
**A Side**  
R = Red  
W = White  
C - Cyan/Green  
N = Not applicable  
-----  
**B Side**  
R = Red  
W = White  
C - Cyan/Green  
N = Not applicable

**Specification**  
3 = MOS139

**Mounting**  
0 = No Stem or Frangible Coupling  
1 = 32mm (1 1/4") Solid Stem  
with 50.8mm (2") Frangible  
Coupling, 11.5 TPI  
H \* = 356mm (14")\*\*  
2 = Frangible M32 (1 1/4")  
Threaded Mounting Stem  
H \* = 356mm (14")

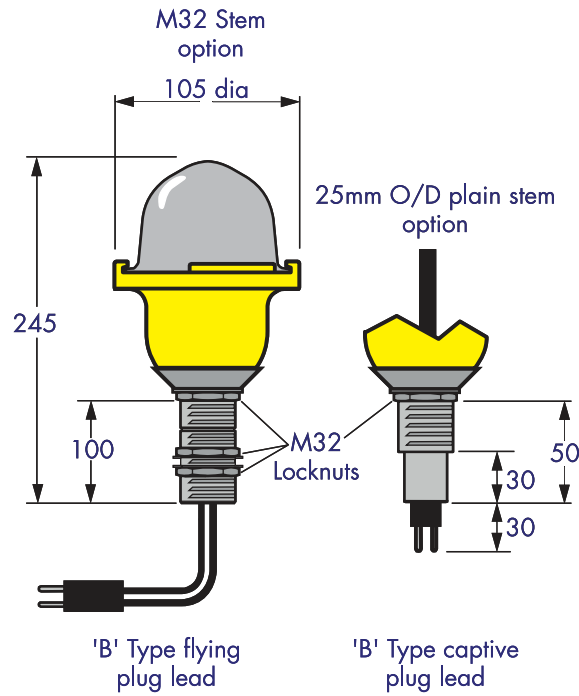
\* Overall fitting mounting height when  
fitted to an L867 mounting plate

# ZA958

Elevated omni-directional runway edge medium intensity lighting solutions



## Dimensions



## Packaging

- ▶ Net weight 0.9kg
- ▶ Gross weight 1.0kg (boxed)
- ▶ Box 120mm(w) x 120mm(d) x 260mm(h)



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

**THINK  
BEFORE YOU  
PRINT**



atg airports reserve the right to change technical data and details at any point in time. Errors may have occurred

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

[www.atgairports.com](http://www.atgairports.com) | [enquiries@atgairports.com](mailto:enquiries@atgairports.com) | [sales-usa@atgairports.com](mailto:sales-usa@atgairports.com)

# ZA958