

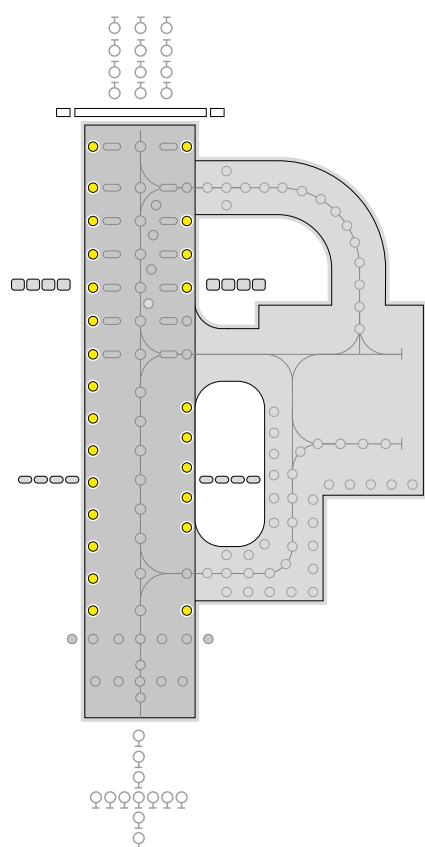
Tungsten halogen technology



ZA483

Runway edge

High intensity bidirectional
inset fitting



Applications

High intensity, inset runway edge fitting suitable for use in category I, II and III all weather operation airfield lighting systems.

Compliant with Latest International Standards

- ▶ ICAO Annex 14
- ▶ FAA L-850C Class I & IIB, AC150/5345-46E
- ▶ CAA CAP168 Figs 6A/9, 6A/10
- ▶ Stannag 3316 (NATO)

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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
-2 to +9	0 to 7	WHT/WHT	105/105	105/105	0.99	115/115	0.99
-2 to +9	0 to 7	WHT/YELL	105/105	105/105	0.99	115/115	0.99
-2 to +9	0 to 7	RED/YELL	105/105	105/105	0.99	115/115	0.99

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

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Photometry

Specification

Runway Edge ICAO Fig. A2-9 FAA L-850C

Colour	White
Max/Min Intensity ratio	<3.0
Main ellipse average intensity	10000cds
Main ellipse minimum intensity	5000cds
Second ellipse minimum intensity	1000cds
Third ellipse minimum intensity	500cds

Typical Measured Values

Colour	White
Max/Min Intensity ratio	2.43
Main ellipse average intensity	10166cds
Main ellipse maximum intensity	14349cds
Main ellipse minimum intensity	5910cds
Second ellipse minimum intensity	3432cds
Third ellipse minimum intensity	1793cds

Specification

Colour	Yellow
Max/Min Intensity ratio	<3.0
Main ellipse average intensity	4000cds
Main ellipse minimum intensity	2000cds
Second ellipse minimum intensity	400cds
Third ellipse minimum intensity	200cds

Typical Measured Values

Colour	Yellow
Max/Min Intensity ratio	2.57
Main ellipse average intensity	5160cds
Main ellipse maximum intensity	7068cds
Main ellipse minimum intensity	2741cds
Second ellipse minimum intensity	1378cds
Third ellipse minimum intensity	880cds

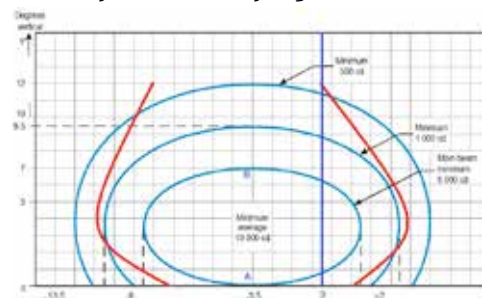
Specification

Colour	Red
Max/Min Intensity ratio	<3.0
Main ellipse average intensity	1500cds
Main ellipse minimum intensity	750cds
Second ellipse minimum intensity	150cds
Third ellipse minimum intensity	75cds

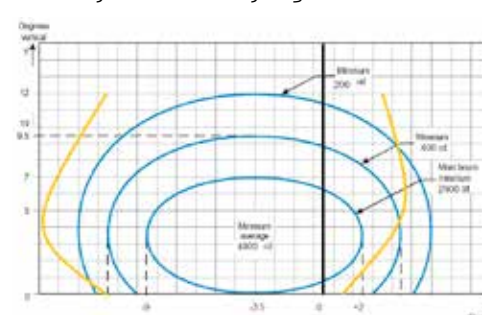
Typical Measured Values

Colour	Red
Max/Min Intensity ratio	2.27
Main ellipse average intensity	2122cds
Main ellipse maximum intensity	2918cds
Main ellipse minimum intensity	1285cds
Second ellipse minimum intensity	764cds
Third ellipse minimum intensity	465cds

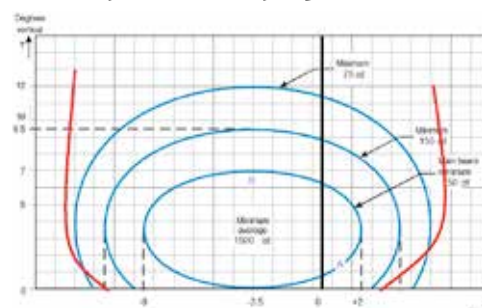
Intensity Chart - Runway Edge Luminaire - White



Intensity Chart - Runway Edge Luminaire - Yellow



Intensity Chart - Runway Edge Luminaire - Red



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Ordering Codes ZA483

Application

L-850C - Runway Edge

Colour

A Side

W = White

Y = Yellow

R = Red

N = Not Applicable

B Side

W = White

Y = Yellow

R = Red

N = Not Applicable

Specification

1 = FAA

2 = ICAO

Connections

1 = 1 Bi Pin Plug

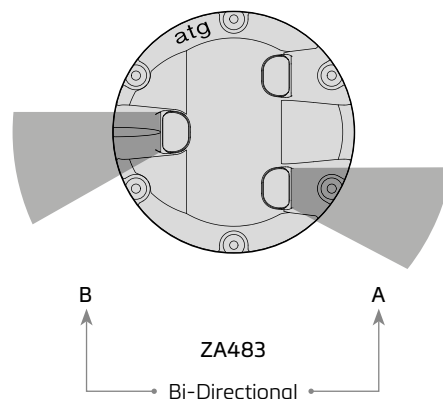
2 = 2 Bi Pin Plug

Fixture Monitoring - Fail Open Feature

1 = Connector Only

2 = Open Circuit Bypass Unit

Beam Options



Additional optional features are
available upon request

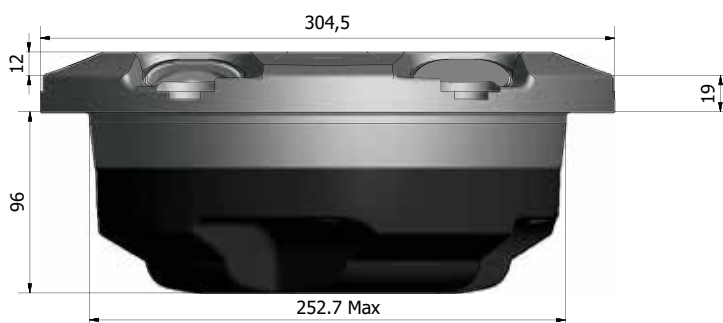
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Dimensions



Packaging

- ▶ Net weight 9.3Kg
- ▶ Gross weight 10kg (boxed)
- ▶ Box 50mm (L) x 330mm (W) x 330mm (H)

*Dimensions are nominal

Consultants specification and installation information for the ZA range is available by request.
Contact marketing@atgairports for further details.

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



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