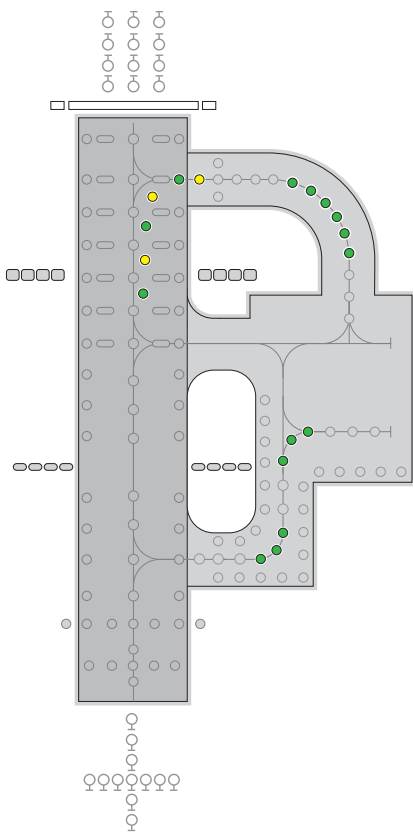


LED technology



ZA280DL

LED 8" taxiway centre line, curved sections (wide) high intensity lighting solutions



Applications

CAT I/II/III all weather operation airfield ground lighting (agl) systems

Compliant with Latest International Standards*

- ▶ FAA AC 150/5345-46
- ▶ FAA Eng Brief No 67
- ▶ ICAO Annex 14. Vol 1
- ▶ 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
-30 to +30	1 to 10	GRN/GRN	2.9/2.9	16.14 (16.43)	0.99	24.19 (24.54)	0.98
-30 to +30	1 to 10	YEL/YEL	3.0/3.0	16.14 (16.43)	0.99	24.19 (24.54)	0.98
-30 to +30	1 to 10	GRN/YEL	2.9/3.0	16.14 (16.43)	0.99	24.19 (24.54)	0.98
-30 to +30	1 to 10	GRN/BLK	2.9/-	16.14 (16.43)	0.99	24.19 (24.54)	0.98
-30 to +30	1 to 10	YEL/BLK	3.0/-	16.14 (16.43)	0.99	24.19 (24.54)	0.98

Fixture Operational Current Range: 2.7 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.

For Bi-directional twin lead option use unidirectional electrical performance for each direction.

Environmental Conditions

▶ Ambient Temperature -55 °C to +55°C (-67 °F to +131°F)

▶ Ingress Protection IP67

▶ Storage Temperature -55 °C to +55°C (-67 °F to +131°F)

Photometry

Specification

Taxiway Centre Line curved (Wide) - FAA L-852DL

Colour	Green
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	100 cds
Main rect. minimum intensity	50 cds
Second rect. minimum intensity	10 cds

Typical Measured Values

Colour	Green
Max/Min Intensity Ratio (Ref)	<3.0
Main rect. average intensity	156 cds
Main rect. minimum intensity	57 cds
Second rect. minimum intensity	43 cds

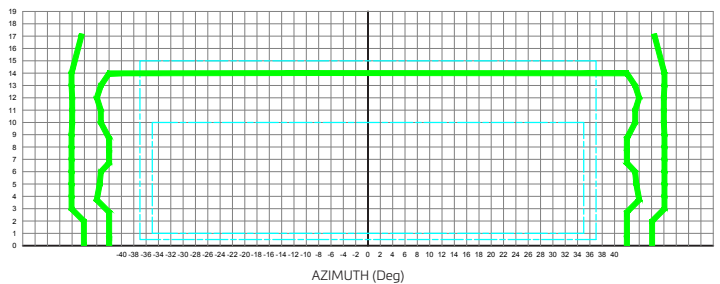
Specification

Colour	Yellow
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	100 cds
Main rect. minimum intensity	50 cds
Second rect. minimum intensity	10 cds

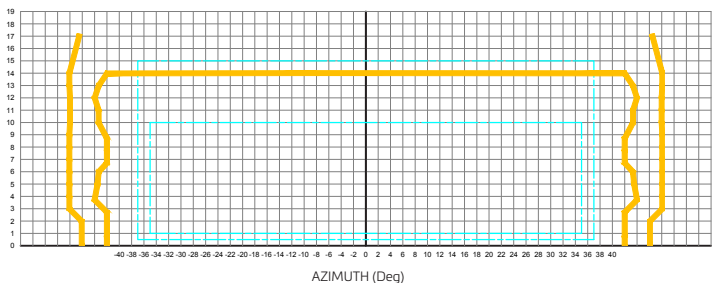
Typical Measured Values

Colour	Yellow
Max/Min Intensity Ratio (Ref)	2.63
Main rect. average intensity	199 cds
Main rect. maximum intensity (A)	260 cds
Main rect. minimum intensity (B)	83 cds
Second rect. minimum intensity	57 cds

Intensity Chart - Taxiway Centreline Luminaire (curved wide) Green



Intensity Chart - Taxiway Centreline Luminaire (curved wide) Yellow



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Ordering Codes ZA280D



Application
L-852DL Taxiway Centreline curved (Wide)

Beam Type
A Side
 5 = Curved (Wide)
 0 = Blank

B Side
 5 = Curved (Wide)
 0 = Blank

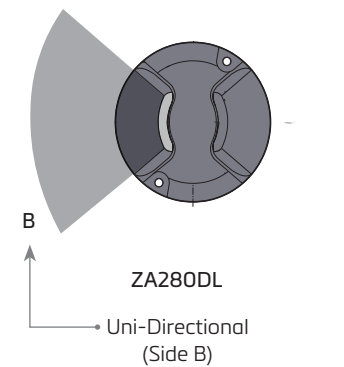
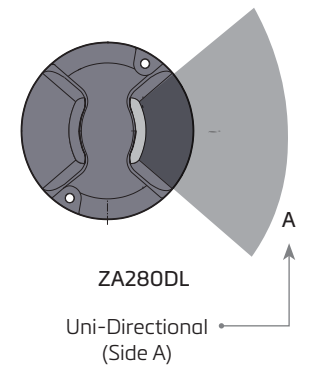
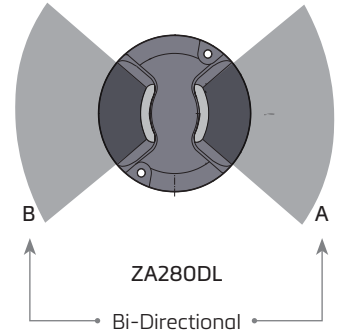
Colour
A Side
 G = Green
 Y = Yellow
 N = Not Applicable

B Side
 G = Green
 Y = Yellow
 N = Not Applicable

Specification
1 = FAA

Connections
1 = 1 Bi Pin Plug

Beam Options

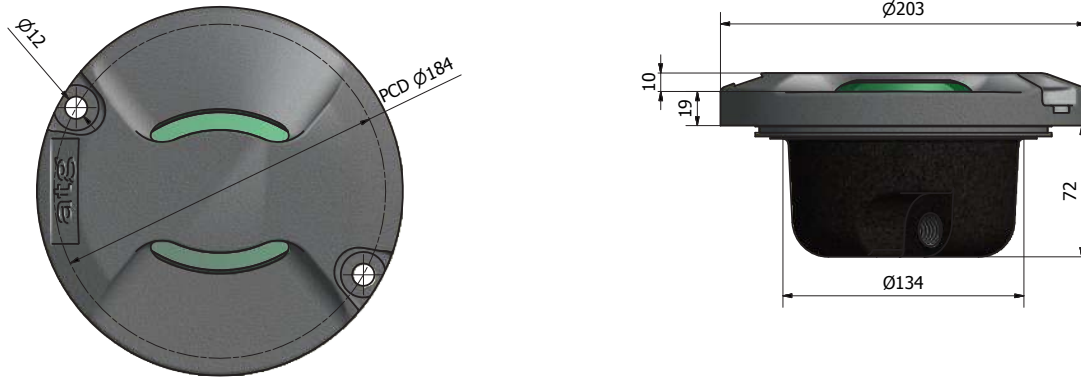


Additional optional features are available upon request

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Dimensions



Packaging

- ▶ Net weight 3.0Kg
- ▶ Gross weight 3.51Kg (boxed)
- ▶ Box 230mm (L) x 230mm (W) x 146mm (H)

*Dimensions are nominal

Consultants specification and installation information for the Iris range is available by request.

Contact enquiries@atgairports for further details.

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



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L-852DL