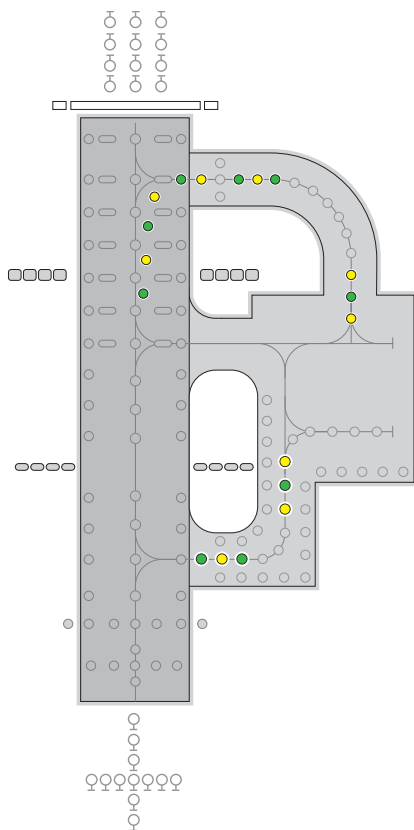


LED technology



# ZA2800L

LED 8" taxiway centre line, straight sections (offset beam), high intensity lighting solutions



## Applications

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

## Compliant with Latest International Standards\*

- ▶ ICAO Annex 14. Vol 1
- ▶ FAA AC 150/5345-46†
- ▶ FAA Eng 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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ZA2800L

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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
-10 to +10	1 to 8	GRN/GRN	2.9/2.9	16.14 (16.43)	0.99	24.19 (24.54)	0.98
-10 to +10	1 to 8	YEL/YEL	3.0/3.0	16.14 (16.43)	0.99	24.19 (24.54)	0.98
-10 to +10	1 to 8	GRN/YEL	2.9/3.0	16.14 (16.43)	0.99	24.19 (24.54)	0.98
-10 to +10	1 to 8	GRN/BLK	2.9/-	16.14 (16.43)	0.99	24.19 (24.54)	0.98
-10 to +10	1 to 8	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)
- ▶ Storage Temperature -55 °C to +55°C (-67 °F to +131°F)

▶ Ingress Protection IP67

## Photometry

### Specification

#### Taxiway Centreline Straight (offset) ICAO Fig 2.12

Colour	Green
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	200 cds
Main rect. minimum intensity	100 cds
Second rect. minimum intensity	20 cds

### Typical Measured Values

Colour	Green
Max/Min Intensity Ratio	2.49
Main rect. average intensity	304 cds
Main rect. maximum intensity (A)	401 cds
Main rect. minimum intensity (B)	161 cds
Second rect. minimum intensity	115 cds

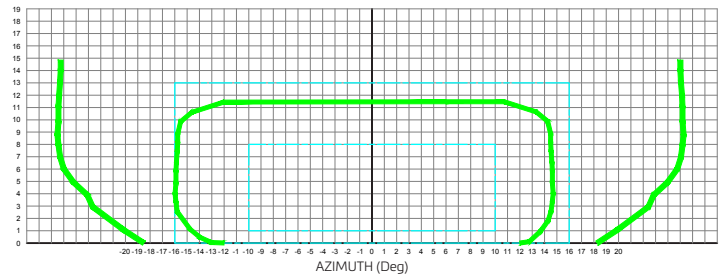
### Specification

Colour	Yellow
Max/Min Intensity Ratio	<3.0
Main rect. average intensity	200 cds
Main rect. minimum intensity	100 cds
Second rect. minimum intensity	20 cds

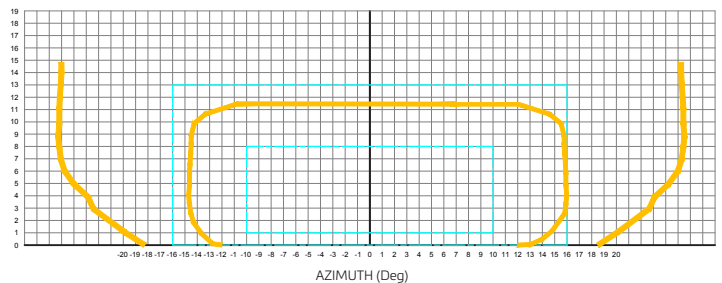
### Typical Measured Values

Colour	Yellow
Max/Min Intensity Ratio	2.57
Main rect. average intensity	279 cds
Main rect. maximum intensity (A)	380 cds
Main rect. minimum intensity (B)	147 cds
Second rect. minimum intensity	88 cds

Intensity Chart - Taxiway Centreline Luminaire (straight offset) Green



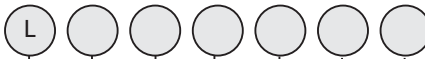
Intensity Chart - Taxiway Centreline Luminaire (straight offset) Yellow



# ZA2800L LED 8" taxiway centre line, straight sections (offset beam), high intensity lighting solutions



## Ordering Codes ZA2800



**Application**  
ZA2800L Taxiway Centreline  
Straight (Offset)

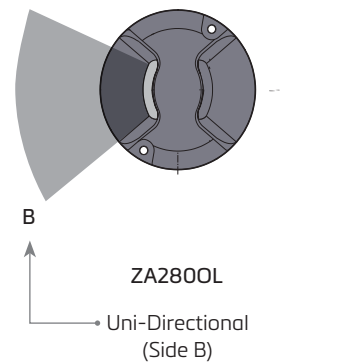
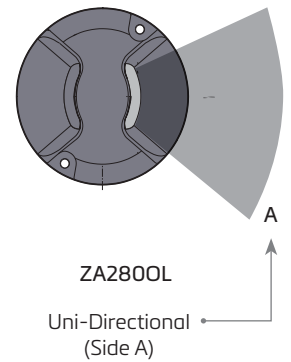
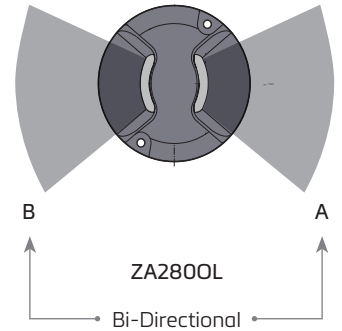
**Beam Type**  
**A Side**  
6 = Straight (offset)  
0 = Blank  
.....  
**B Side**  
6 = Straight (offset)  
0 = Blank

**Colour**  
**A Side**  
G = Green  
Y = Yellow  
N = Not Applicable  
.....  
**B Side**  
G = Green  
Y = Yellow  
N = Not Applicable

**Specification**  
2 = ICAO

**Connections**  
1 = 1 Bi Pin Plug

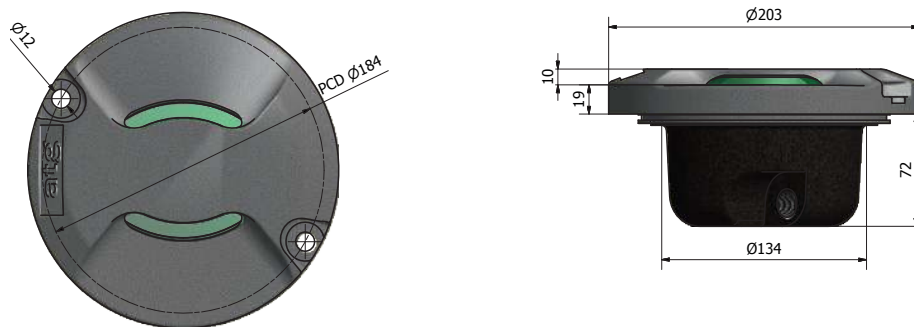
## Beam Options



Additional optional features are available upon request

# ZA2800L LED 8" taxiway centre line, straight sections (offset beam), high intensity lighting solutions

## 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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