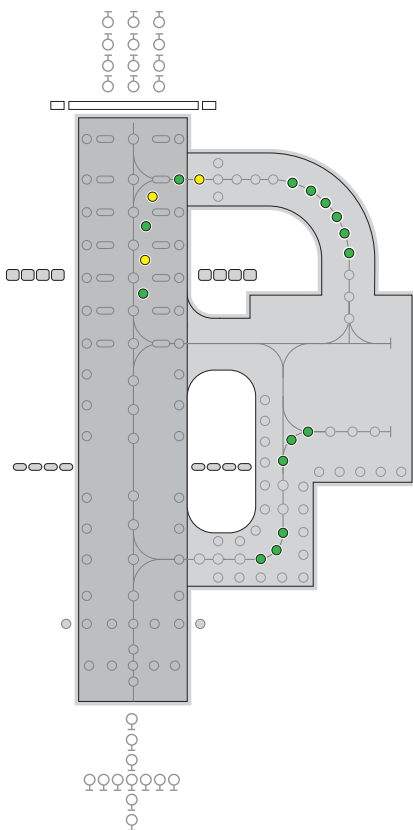


LED technology



# ZA281KL

LED 8" taxiway centre line, curved sections (toed 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

# ZA281KL LED 8" taxiway centre line, curved sections (toed beam), high intensity lighting solutions



## 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   |
| -3.5 to +35        | 1 to 10 | GRN/GRN | 2.9/2.9                                       | 16.14 (16.43)       | 0.99 | 24.19 (24.54)           | 0.98 |
| -3.5 to +35        | 1 to 10 | YEL/YEL | 3.0/3.0                                       | 16.14 (16.43)       | 0.99 | 24.19 (24.54)           | 0.98 |
| -3.5 to +35        | 1 to 10 | GRN/YEL | 2.9/3.0                                       | 16.14 (16.43)       | 0.99 | 24.19 (24.54)           | 0.98 |
| -3.5 to +35        | 1 to 10 | GRN/BLK | 2.9/-   | 16.14 (16.43)       | 0.99 | 24.19 (24.54)           | 0.98 |
| -3.5 to +35        | 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 ICAO Fig 2.14 FAA L-852KL

|                                |         |
|--------------------------------|---------|
| 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          | 3.0     |
| Main rect. average intensity     | 116cds  |
| Main rect. maximum intensity (A) | 156 cds |
| Main rect. minimum intensity (B) | 52 cds  |
| Second rect. minimum intensity   | 52 cds  |

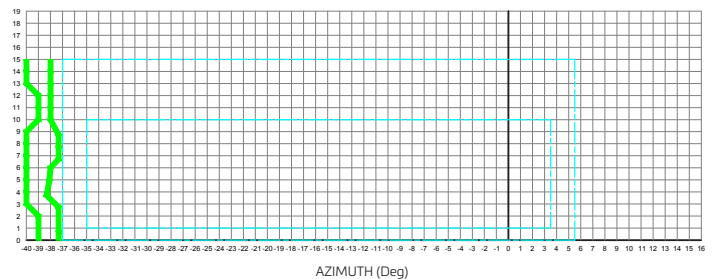
### Specification

|                                |         |
|--------------------------------|---------|
| 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  |

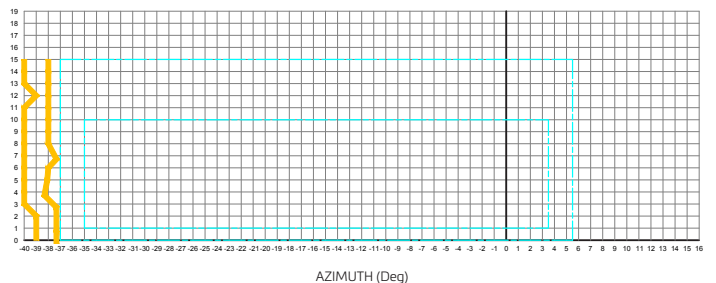
### Typical Measured Values

|                                  |         |
|----------------------------------|---------|
| Colour                           | Yellow  |
| Max/Min Intensity Ratio          | 8.0     |
| Main rect. average intensity     | 184 cds |
| Main rect. maximum intensity (A) | 255 cds |
| Main rect. minimum intensity (B) | 85 cds  |
| Second rect. minimum intensity   | 35 cds  |

Intensity Chart - Taxiway Centreline Luminaire (curved toed) Green



Intensity Chart - Taxiway Centreline Luminaire (curved toed) Yellow



# ZA281KL

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



## Ordering Codes ZA281K



**Application**  
L-852KL Taxiway Centreline curved (Toed)

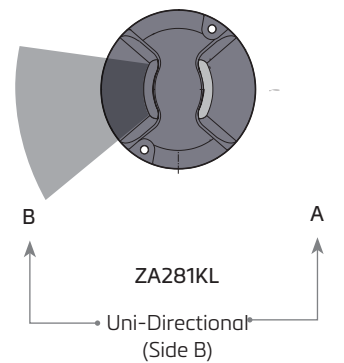
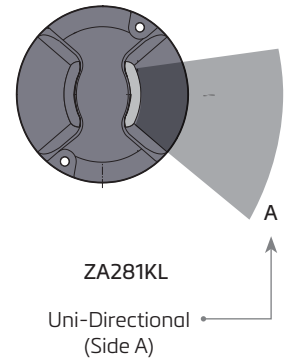
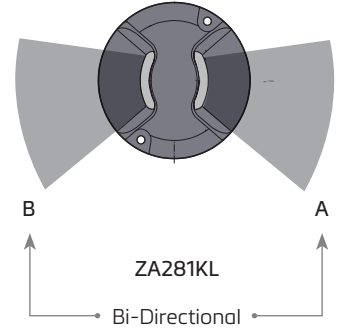
**Beam Type**  
**A Side**  
 2 = Curved (Toed)  
 0 = Blank  
 .....  
**B Side**  
 3 = Curved (Toed)  
 0 = Blank

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

**Specification**  
 1 = FAA  
 2 = ICAO

**Connections**  
 1 = 1 Bi Pin Plug

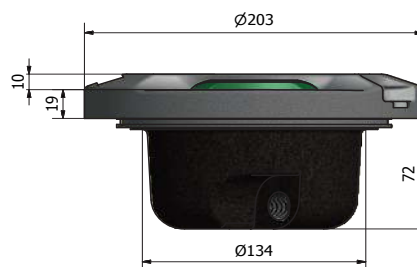
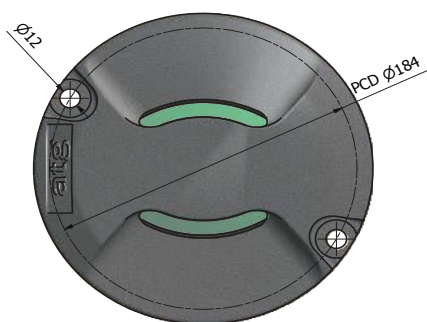
## Beam Options



Additional optional features are available upon request

# ZA281KL 8" taxiway centre line, curved sections (toed 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.



### atg airports ltd

Lowton Business Park | Newton Road  
Lowton St. Mary's | Warrington  
WA3 2AP | United Kingdom

### atg airports inc

7857 Drew Circle #13  
Fort Myers | Florida 33967  
USA



☎ 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)

# L-852KL