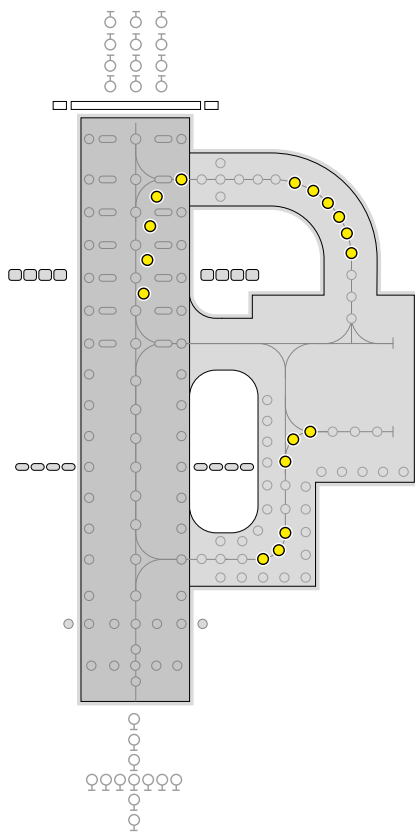


LED technology



# IR852K

IRIS LED 8" taxiway  
centre line, high intensity  
lighting solutions, curved  
sections



## Applications

CAT 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 Engineering 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

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IRIS LED AGL  
**L-852K**

# IR 852K IRIS LED 8" taxiway centre line high intensity lighting solutions, curved sections



## Electrical Performance

| Main Beam Aperture |         | Colour  | Typical Power Consumption - Watts (VA) @ 6.6A |                        |       |                            |       |
|--------------------|---------|---------|---|------------------------|-------|----------------------------|-------|
| Horiz(°)           | Vert(°) |         | Per Beam Watts                                | Fitting*<br>Watts (VA) | PF    | Tx Primary**<br>Watts (VA) | PF    |
| -3.5 to +35        | 1 to 10 | GRN/GRN | 8.08/8.08                                     | 30.10 (30.21)          | 0.997 | 40.37 (40.85)              | 0.988 |
| -3.5 to +35        | 1 to 10 | YEL/YEL | 6.92/6.92                                     | 28.13 (28.25)          | 0.997 | 38.52 (39.04)              | 0.987 |
| -3.5 to +35        | 1 to 10 | GRN/YEL | 8.08/6.92                                     | 29.30 (29.32)          | 0.997 | 39.68 (39.04)              | 0.988 |
| -3.5 to +35        | 1 to 10 | GRN/BLK | 8.08/-  | 17.25 (17.31)          | 0.996 | 27.83 (28.67)              | 0.971 |
| -3.5 to +35        | 1 to 10 | YEL/BLK | 6.92/-  | 16.62 (16.69)          | 0.997 | 27.23 (28.05)              | 0.971 |

\* 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.

## 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 Centre Line ICAO Fig 2.14 FAA L-852K

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

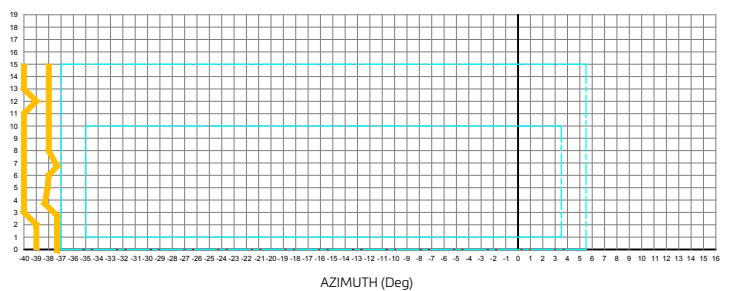
### Specification

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

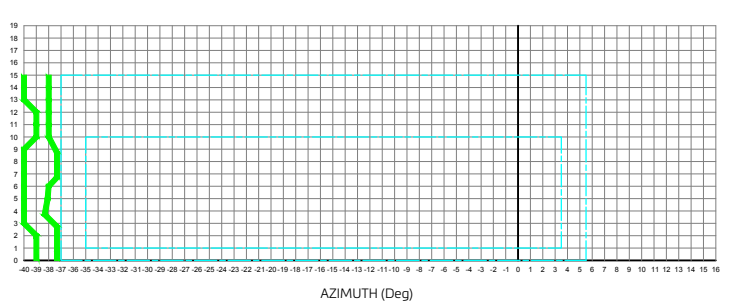
### Typical Measured Values

|                                  |         |
|----------------------------------|---------|
| 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 - IRIS Taxiway Centreline Luminaire (Curved-Right) Yellow



Intensity Chart - IRIS Taxiway Centreline Luminaire (Curved-Left) Green



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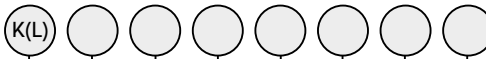
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IRIS LED AGL  
L-852K

# IR 852K IRIS LED 8" taxiway centre line high intensity lighting solutions, curved sections



## Ordering Codes IR852



**Application**  
L-852K(L) Taxiway Centre Line  
Curved Sections

**Beam Type**  
**A Side**  
3 = Curve right  
0 = Blank  
.....  
**B Side**  
2 = Curve left  
0 = Blank

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

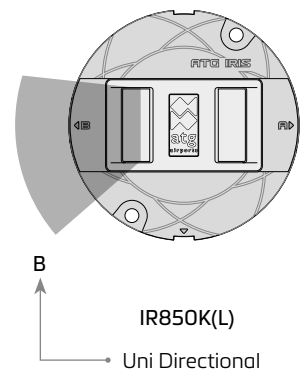
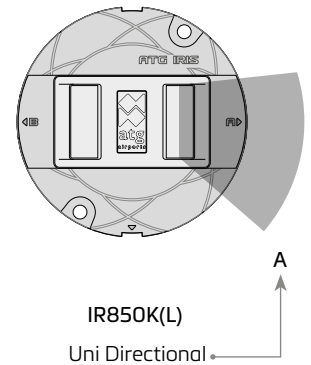
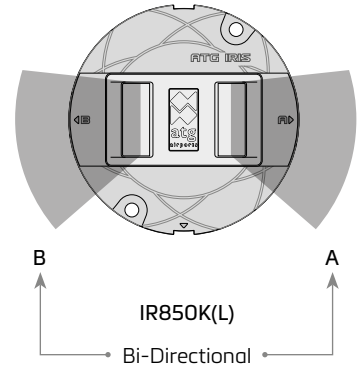
**Specification**  
1 = FAA  
2 = ICAO

**Connections**  
1 = 1 Plug Bi Pin  
2 = 2 Plug Bi Pin

**Open Circuit (Fail Open) Feature**  
0 = No Open Circuit  
1 = Open Circuit

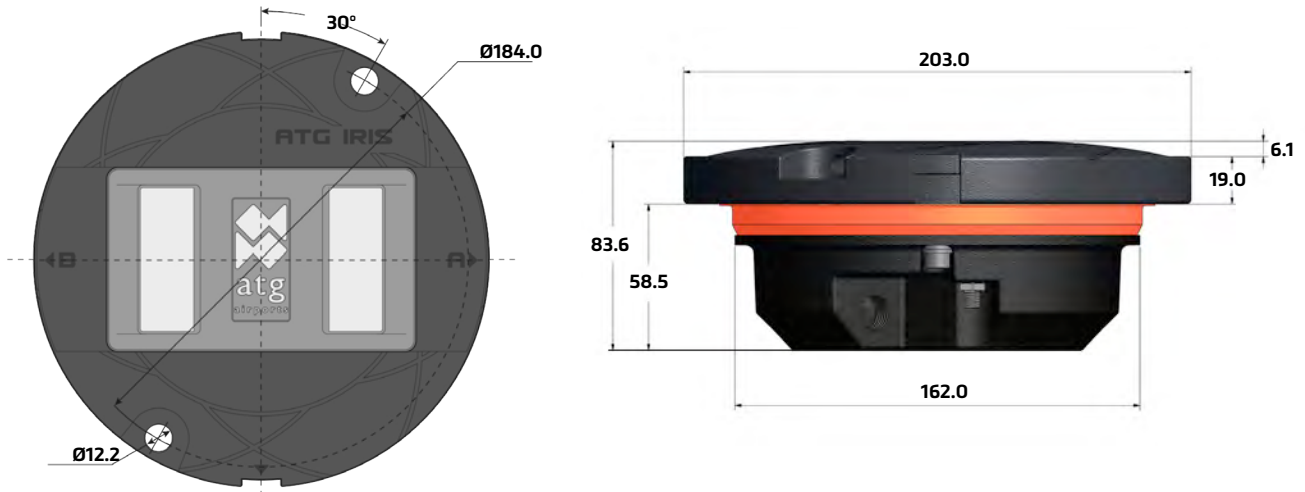
Additional optional features are available upon request

## Beam Options



# IR 852K IRIS LED 8" taxiway centre line high intensity lighting solutions, curved sections

## Dimensions



## Packaging

- ▶ Net weight 3.12Kg
- ▶ Gross weight 3.52Kg (boxed)
- ▶ Box 260mm (L) x 260mm (W) x 175mm (H)

\*Dimensions are nominal

Consultants specification and installation information for the Iris range is available by request. Contact [marketing@atgairports](mailto:marketing@atgairports) for further details.

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