

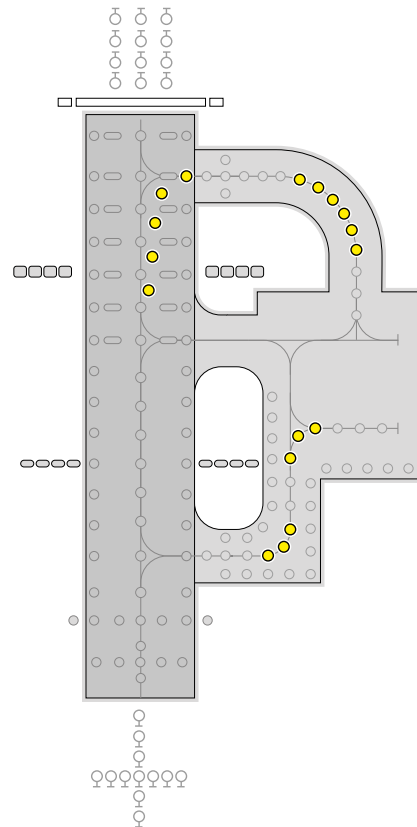
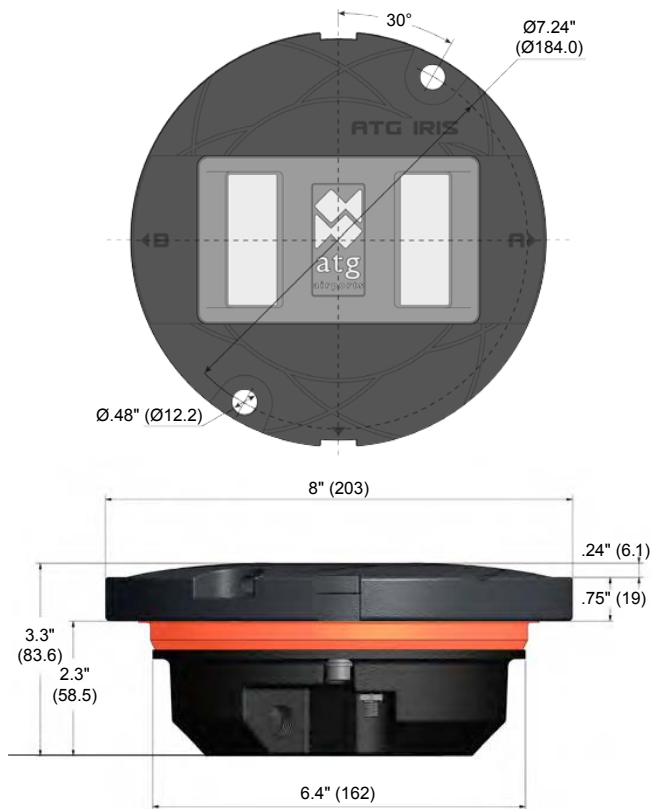
IR852K | L-852K(L)

IRIS LED 8" Taxiway Centerline, High Intensity Lighting Solutions, Curved Sections

Compliance and Applications

- ICAO Annex 14, Vol 1
- FAA AC 150/5345-46
- FAA Engineering Brief No. 67
- IEC 61827
- EASA
- Stannag 3316 (NATO)

IRIS LED high intensity, inset omni-directional taxiway centerline (curved sections) fixture suitable for CAT III all weather operation airfield ground lighting (agl) systems. The goal of the IRIS range is to enhance the efficiency of an airfield by optimizing power consumption, increasing reliability and reducing costs to the airport.



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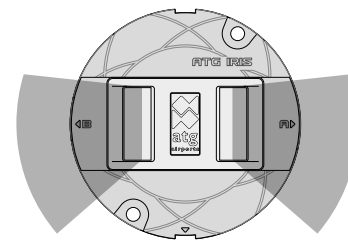
Product specifications may be subject to change without prior notice. Verify current specifications when ordering. © Flight Light Inc. | 1/26/2018

Ordering Codes

IR852

K(L)

Beam Options

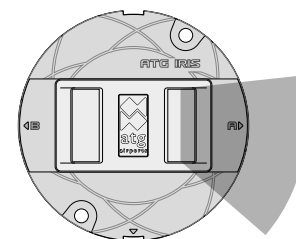


B

IR850K(L)

Bi-Directional

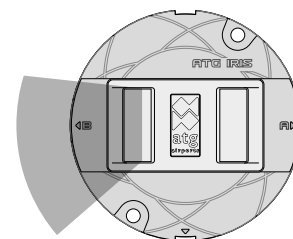
A



IR850K(L)

Uni-Directional

A



B

IR850K(L)

Uni-Directional

Application

L-852K(L) Taxiway Centerline
Curved Sections

Beam Type**A Side**

3 = Curve right
0 = Blank

B Side

2 = Curve left
0 = Blank

Color**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.

Packaging

- Net weight: 6.88 lb. (3.12Kg)
- Gross weight: 7.76 lb. (3.52Kg) (boxed)
- Box: 10.2" (260mm) (L) x 10.2" (260mm) (W) x 6.9" (175mm) (H)

Electrical Performance

Main Beam Aperture		Color	Typical Power Consumption - Watts (VA) @ 6.6A				
Horiz(°)	Vert(°)		Per Beam Watts	Fixture* Watts (VA)	PF	Tx Primary** 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 Centerline ICAO Fig 2.14 FAA L-852K

Color	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

Color	Green
Max/Min Intensity Ratio	3.0
Main rect. average intensity	116 cds
Main rect. maximum intensity (A)	156 cds
Main rect. minimum intensity (B)	52 cds
Second rect. minimum intensity	52 cds

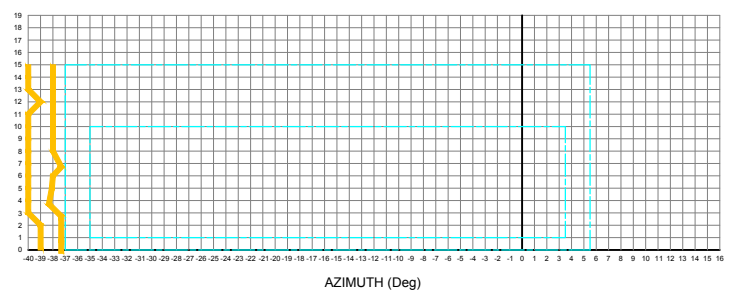
Specification

Color	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

Color	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 Centerline Luminaire (Curved-Right) Yellow



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

