

LED technology



# IR862

IRIS LED elevated  
runway edge high  
intensity lighting  
solutions

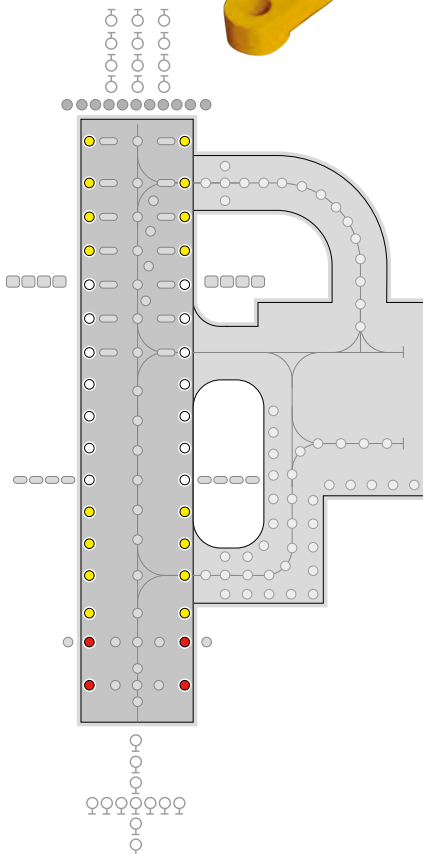
## Applications

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



📞 UK: +44 (0) 1942 68 5555 | USA: 001 (239) 985-9406

🌐 [www.atgairports.com](http://www.atgairports.com) ✉ [products@atgairports.com](mailto:products@atgairports.com) ✉ [sales-usa@atgairports.com](mailto:sales-usa@atgairports.com)

IRIS LED AGL  
L-862

# IR862

IRIS LED elevated runway edge  
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
-2 to +9	0 to 7	WHT/WHT	39.7/39.7	119 (119.6)	0.99	154.8 (155.8)	0.99
-2 to +9	0 to 7	WHT/YEL	39.7/16.2	88.3 (88.7)	0.99	123.9 (125.4)	0.98
-2 to +9	0 to 7	WHT/RED	39.7/12.5	85.7 (86.0)	0.99	120.8 (122.7)	0.98
-2 to +9	0 to 7	YEL/RED	16.2/12.5	55.0 (55.1)	0.99	89.9 (92.1)	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.

## 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 IP66

📞 UK: +44 (0) 1942 68 5555 | USA: 001 (239) 985-9406

🌐 [www.atgairports.com](http://www.atgairports.com) ✉ [products@atgairports.com](mailto:products@atgairports.com) ✉ [sales-usa@atgairports.com](mailto:sales-usa@atgairports.com)

IRIS LED AGL  
L-862

# IR862

IRIS LED elevated runway edge  
high intensity lighting solutions



## Photometry

### Specification

#### Runway Edge ICAO Fig. A2-9 FAA L-862

Colour	White
Max/Min Intensity ratio	<3.0
Main ellipse average intensity	10000cds
Main ellipse minimum intensity	5000cds
Second ellipse minimum intensity	1000cds
Third ellipse minimum intensity	500cds

### Typical Measured Values

Colour	White
Max/Min Intensity ratio	2.43
Main ellipse average intensity	10938cds
Main ellipse maximum intensity	15482cds
Main ellipse minimum intensity	6358cds
Second ellipse minimum intensity	3432cds
Third ellipse minimum intensity	1793cds

### Specification

Colour	Yellow
Max/Min Intensity ratio	<3.0
Main ellipse average intensity	4000cds
Main ellipse minimum intensity	2000cds
Second ellipse minimum intensity	400cds
Third ellipse minimum intensity	200cds

### Typical Measured Values

Colour	Yellow
Max/Min Intensity ratio	2.57
Main ellipse average intensity	5160cds
Main ellipse maximum intensity	7068cds
Main ellipse minimum intensity	2741cds
Second ellipse minimum intensity	1378cds
Third ellipse minimum intensity	880cds

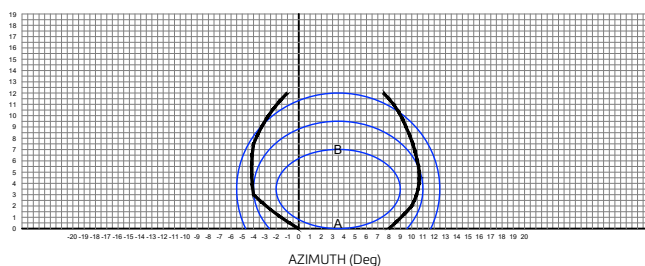
### Specification

Colour	Red
Max/Min Intensity ratio	<3.0
Main ellipse average intensity	1500cds
Main ellipse minimum intensity	750cds
Second ellipse minimum intensity	150cds
Third ellipse minimum intensity	75cds

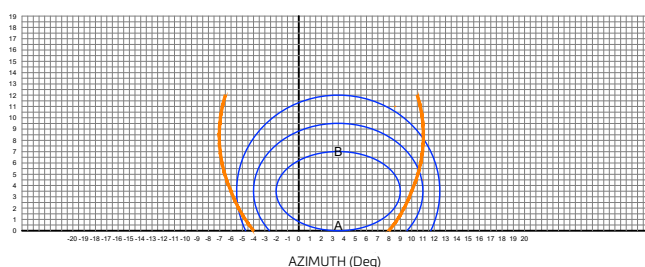
### Typical Measured Values

Colour	Red
Max/Min Intensity ratio	2.27
Main ellipse average intensity	2122cds
Main ellipse maximum intensity	2918cds
Main ellipse minimum intensity	1285cds
Second ellipse minimum intensity	764cds
Third ellipse minimum intensity	465cds

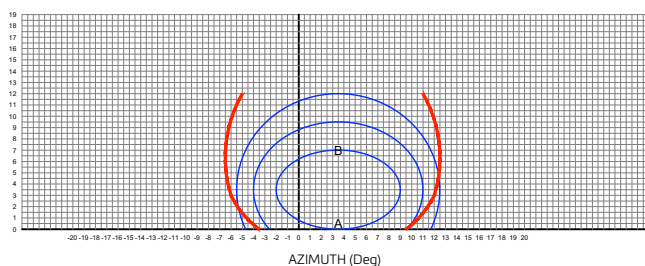
Intensity Chart - IRIS Elevated Runway Edge Luminaire - White



Intensity Chart - IRIS Elevated Runway Edge Luminaire - Yellow



Intensity Chart - IRIS Elevated Runway Edge Luminaire - Red



UK: +44 (0) 1942 68 5555 | USA: 001 (239) 985-9406

www.atgairports.com products@atgairports.com sales-usa@atgairports.com

IRIS LED AGL  
L-862

# IR862

IRIS LED elevated runway edge  
high intensity lighting solutions



## Ordering Codes IR862



### Application

L-862(L) - Runway Edge (45m Wide)

### Beam Type

#### A Side

3 = Toe in right  
0 = Blank

#### B Side

2 = Toe in left  
0 = Blank

### Colour

#### A Side

W = White      R = Red  
Y = Yellow      O = Blank

#### B Side

W = White      R = Red  
Y = Yellow      O = Blank

### Specification

1 = FAA  
2 = ICAO

### Mounting

0 = No Stem or Coupling  
1 = 32mm (1 1/4") Solid Stem with  
50.8mm (2") Coupling, 11.5 TPI  
H \* = 356mm (14")\*\*

### \*\* Option

00 = No option  
XX = Extended 32mm (1 1/4") Stem\*\*\*

### Connections

1 = 1 Bi Pin Plug  
2 = 2 Bi Pin Plug

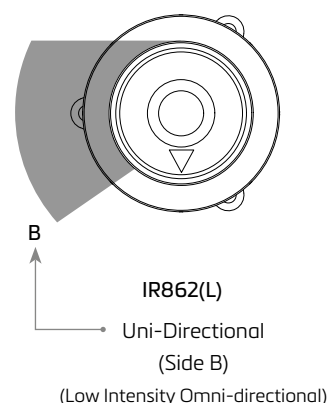
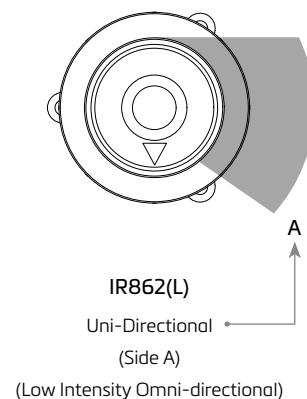
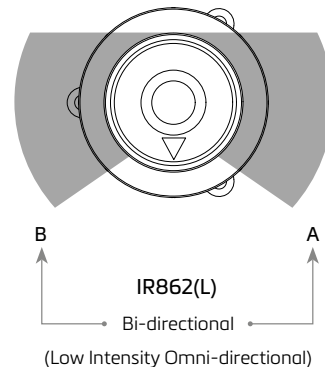
### Fixture Monitoring - Fail Open Feature

0 = No Open Circuit  
1 = Open Circuit

\* Overall fitting mounting height when  
fitted to an L894 mounting plate

Additional optional features are available upon request

## Beam Options



\*\*\*Solid Stem Available in 50.8mm (2") increments from 406.4mm (16") to a maximum 762mm (30") for compliance with FAA for applications in snow areas. Enter required overall fitting height Eg. Replace XX with 24 for 24" (609.6mm) \*

UK: +44 (0) 1942 68 5555 | USA: 001 (239) 985-9406

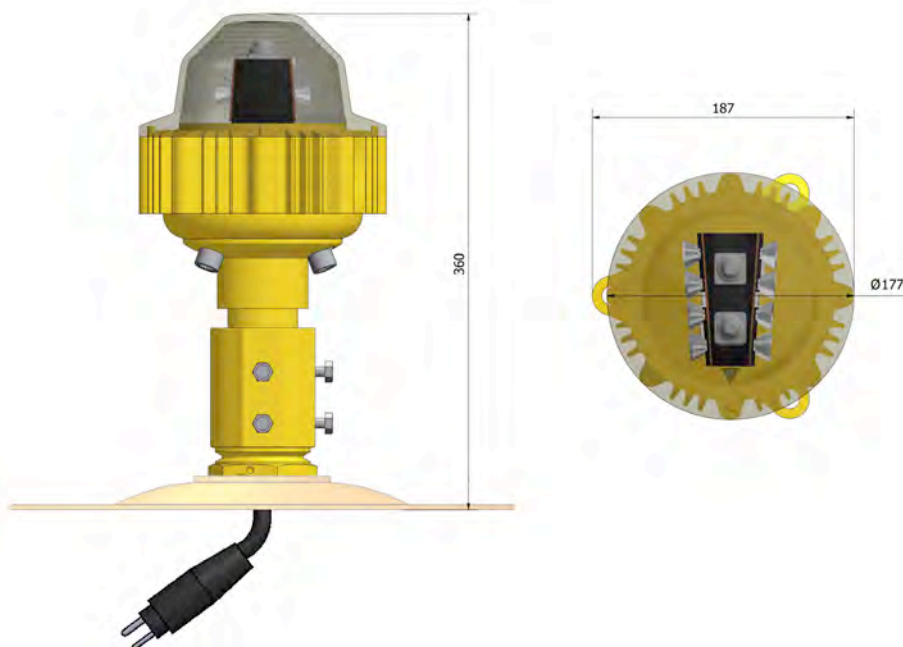
www.atgairports.com products@atgairports.com sales-usa@atgairports.com

IRIS LED AGL  
L-862

# IR862

IRIS LED elevated runway edge  
high intensity lighting solutions

## Dimensions



## Packaging

- ▶ Net weight 4.8Kg
- ▶ Gross weight 3.1kg (boxed)
- ▶ Box 220mm (W) x 220mm (D) x 275mm (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.

The technical data contained herein are intended as reference only. 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) ✉ [products@atgairports.com](mailto:products@atgairports.com) ✉ [sales-usa@atgairports.com](mailto:sales-usa@atgairports.com)

IRIS LED AGL  
L-862