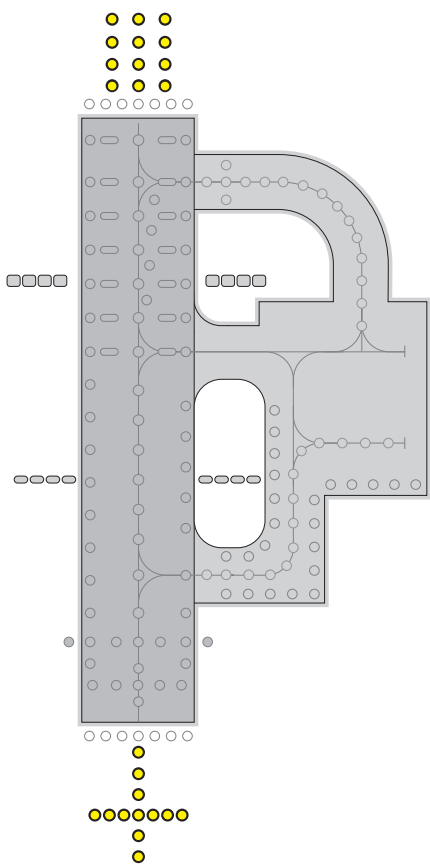


LED technology



IR862AP

IRIS LED elevated runway approach 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 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
 † Electrical/Mechanical/Environmental characteristics only

IR862AP IRIS LED elevated runway approach 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
-10 to +10	All Angles 2.5 to 13.5 at 0.5 degree intervals	WHT	30	40(41)	0.98	43(44)	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

Photometry

Specification

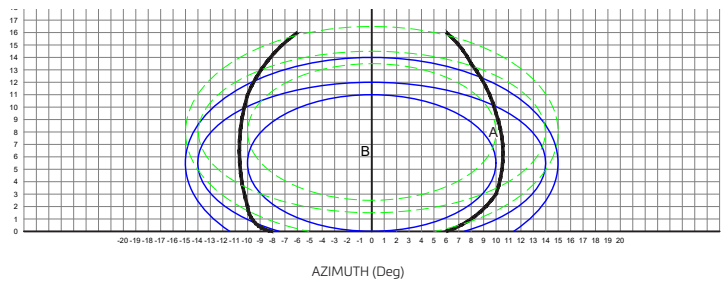
Runway Approach ICAO Fig. A2-1

Colour	White
Max/Min Intensity ratio	<3.0
Main ellipse average intensity	20000cdfs
Main ellipse minimum intensity	10000cdfs
Second ellipse minimum intensity	2000cdfs
Third ellipse minimum intensity	1000cdfs

Typical Measured Values

Colour	White
Max/Min Intensity ratio	2.75
Main ellipse average intensity	20827cdfs
Main ellipse maximum intensity	34041cdfs
Main ellipse minimum intensity	12343cdfs
Second ellipse minimum intensity	3261cdfs
Third ellipse minimum intensity	1632cdfs

Intensity Chart - IRIS Elevated Runway Approach Luminaire - White



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

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

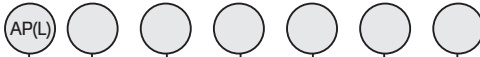
IRIS LED AGL
IR862AP

IR862AP

IRIS LED elevated runway approach high intensity lighting solutions



Ordering Codes IR862AP



Application
IR862AP(L) - Runway Approach

Beam Type
1 = Straight/Axial

Colour
W = White

Specification
2 = ICAO

Connections
1 = 1 Bi Pin Plug

Mounting

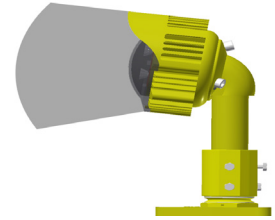
0 = No Stem or Frangible Coupling
 1 = Frangible M32mm (1^{1/4}"
 Threaded Mounted Stem
 H * = 356mm (14")*
 2 = 32mm (1^{1/4}" Solid stem with
 50.8mm (2") Frangible coupling
 11.5TPI
 H * = 356mm (14")*

Fixture Monitoring - Fail Open Feature
 0 = No Open Circuit
 1 = Open Circuit

Additional optional features are available upon request

* Overall fixture mounting height when fitted to an L862 mounting plate

Beam Options



IR862AP(L)
Uni-Directional

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

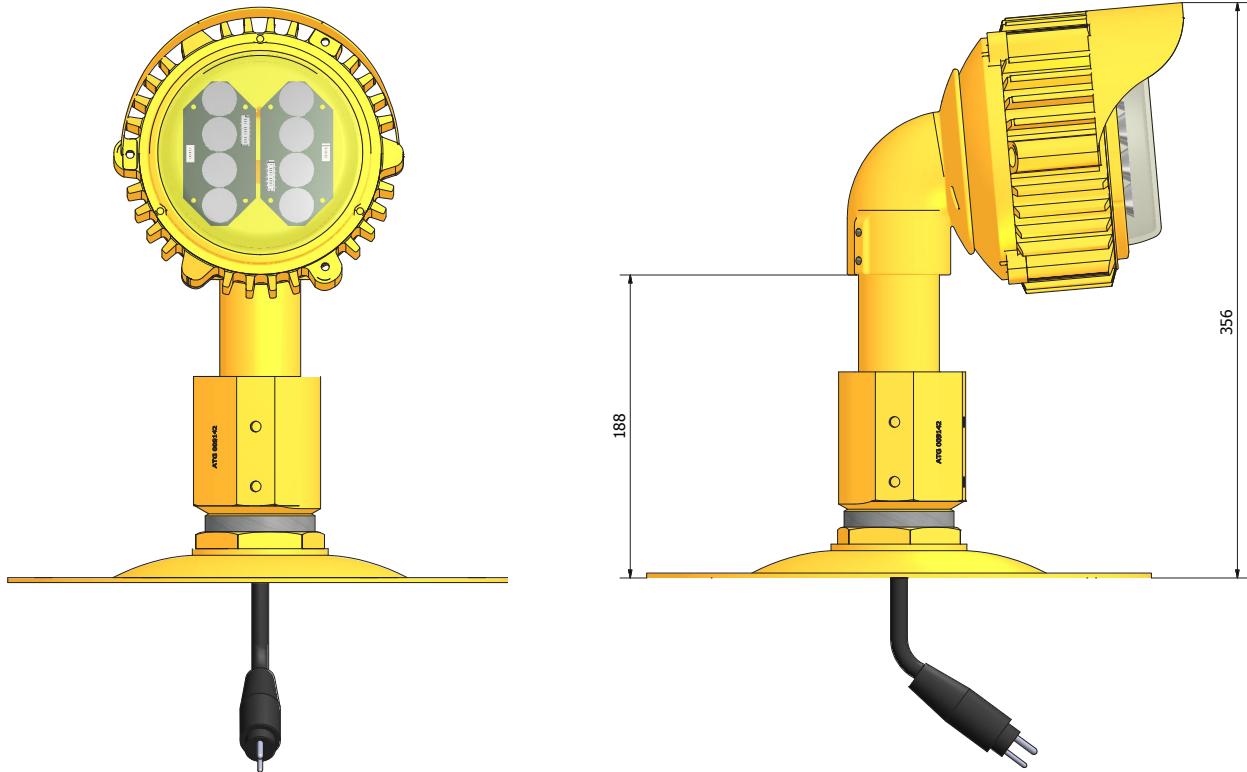
www.atgairports.com | products@atgairports.com | sales-usa@atgairports.com

IRIS LED AGL
IR862AP

IR862AP

IRIS LED elevated runway approach
high intensity lighting solutions

Dimensions



Packaging

- ▶ Net weight 9.3Kg
- ▶ Gross weight 7.6kg (boxed)
- ▶ Box 50mm (W) x 330mm (D) x 330mm (H)

*Dimensions are nominal

Consultants specification and installation information for the Iris range is available by request.
Contact marketing@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 | enquiries@atgairports.com | sales-usa@atgairports.com

IRIS LED AGL
IR862AP