

LED technology



IR861T

IRIS LED elevated taxiway and apron edge, omni directional, high intensity lighting solutions

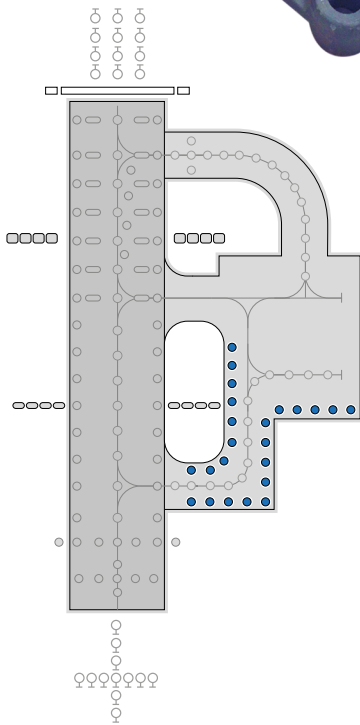
Applications

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



IR861T IRIS LED elevated taxiway and apron edge, omni directional, 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	Isolating Transformer
0 - 359	0 -6	BLUE	0.75	4.71 (4.74)	0.993	12.87 (13.01)	0.991	10W
0 - 359	0 -6	BLUE	0.75	4.67 (4.70)	0.993	13.76 (14.09)	0.977	25W
0 - 359	0 -6	BLUE	0.75	4.64 (4.66)	0.994	16.23 (17.16)	0.948	45W

Fixture Operational Current Range: 2.7 to 6.7A RMS

Notes: Isolating transformer shall be suitably sized to accommodate specific secondary and other applicable losses.

* 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"). CCR shall be suitably sized for the indicated transformer VA for the relevant isolating transformer utilised.

*** main beam vertical requirements for FAA is 1° to 6° for IR852T

Environmental Conditions

▶ Ambient Temperature -55 °C to +55°C (-67 °F to +131°F)

▶ Ingress Protection > IP24

▶ Storage Temperature -55°C to +55°C (-67 °F to +131°F)

Photometry

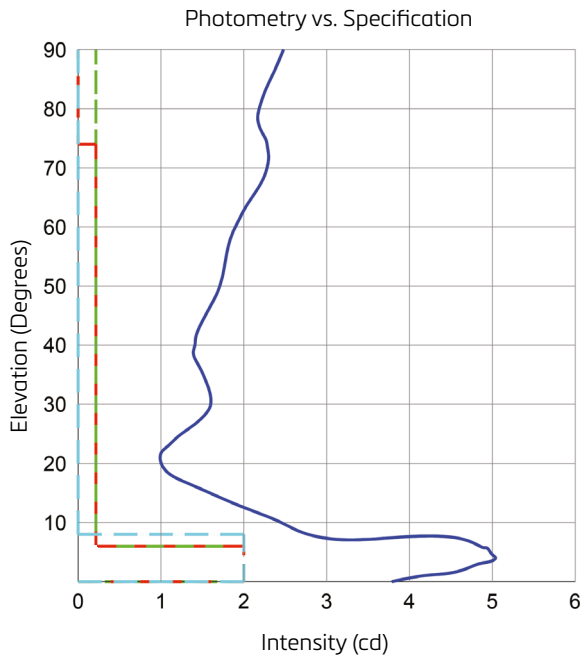
Specification

Taxiway & Apron Edge ICAO - 5.3.18.7/8 FAA L-861T

Colour	Blue
Main rect. minimum intensity 0°-6°	2 cd
Second rect. minimum intensity 6°-90°	0.2 cd

Typical Measured Values

Colour	Blue
Main rect. minimum intensity 0°-6°	3.0 cd
Main rect. minimum intensity 0°-8° (Stannag)	2.6 cd
Second rect. minimum intensity 6°-90°	1.0 cd



— IR861T(L) Performance @ 6.6A

Specification

- - ICAO Annex 14, EASA, CAP 168, FAA-46D
- - IEC61827
- - Stannag 3316

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

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

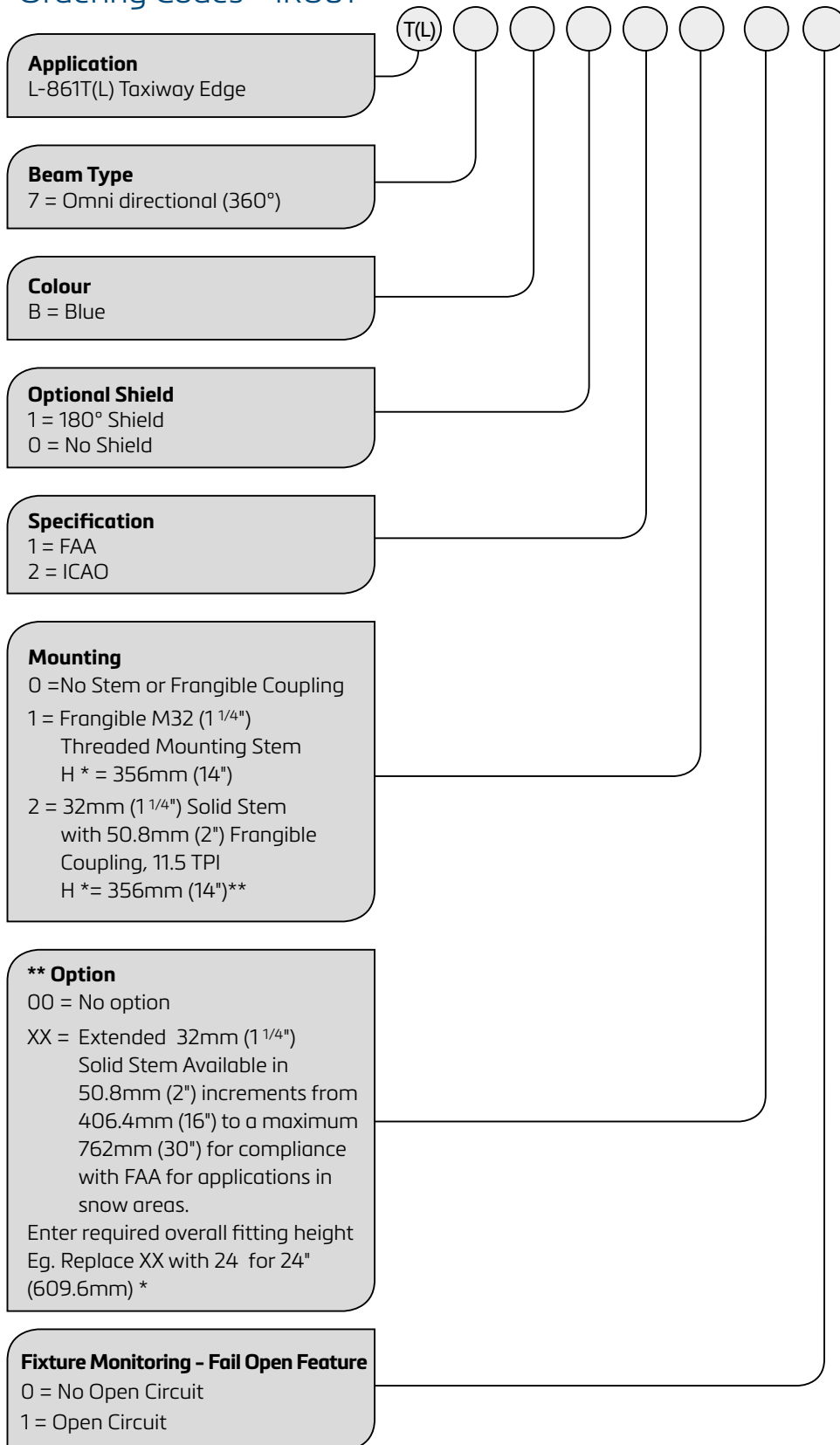
IRIS LED AGL
IR861T

IR861T

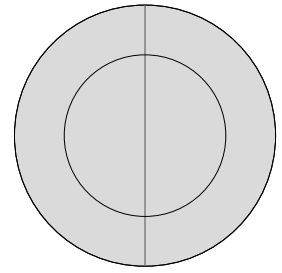
IRIS LED elevated taxiway and apron edge, omni directional, high intensity lighting solutions



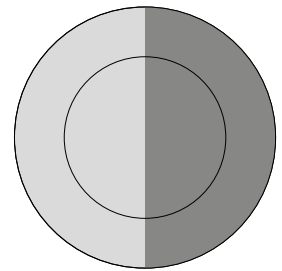
Ordering Codes IR861



Beam Options



IR861T(L)
Omni Directional



IR861T(L)
Omni Directional with 180° Shield

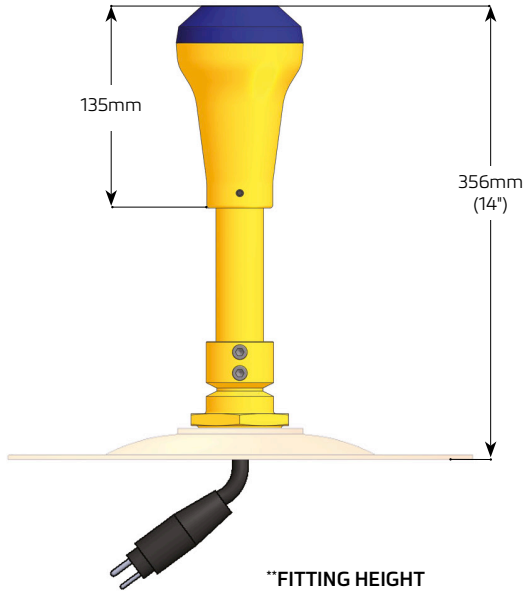
* Overall fitting mounting height when fitted to an L894 mounting plate

IR861T IRIS LED elevated taxiway and apron edge, omni directional, high intensity lighting solutions



Dimensions

Standard Configuration

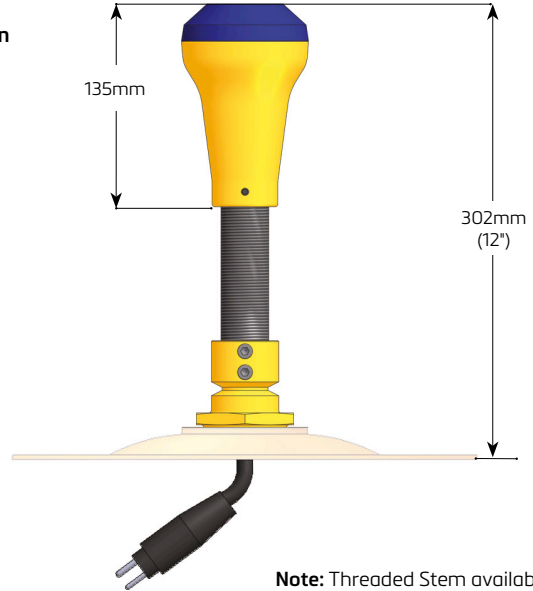


****FITTING HEIGHT**

356mm (14") standard fitting height. Extendable from 356mm (14") in increments of 50.8mm (2") to a maximum 762mm (30") for FAA applications in snow areas. Dimensions based on L867 Base Mounting Plate.

Typical Installation Details
Mounting plates sold separately

Frangible Threaded Stem Option



Note: Threaded Stem available for direct mounting into Spun Ground Mounting Plate or Mounting Spike. Only available in 302mm (12") fitting height.

Packaging

- ▶ Net weight 0.86kg ▶ Gross weight 1.0kg (boxed) ▶ Box 360mm (L) x 120mm (W) x 120mm (H)

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. Errors may have occurred



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

IRIS LED AGL
IR861T