



FATO

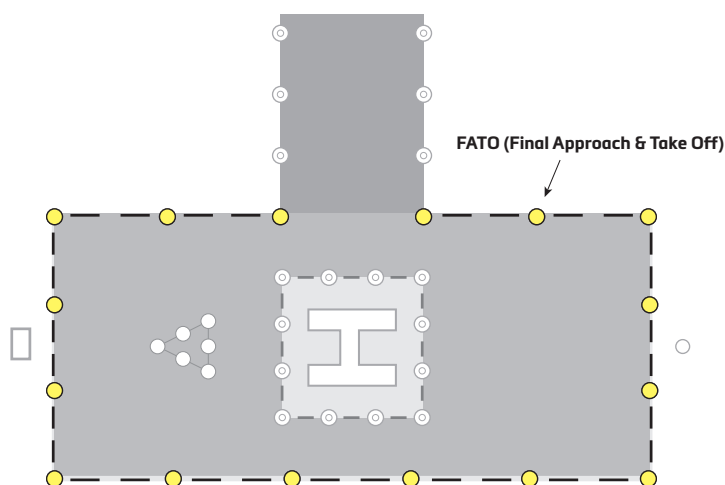
LED inset
omni directional
final approach and take
off light

Compliant with Latest International Standards

- ▶ ICAO Annex 14 Vol II, Fig 5.9, Illustration 5
- ▶ IEC 61827
- ▶ STANAG 3316 Annex C fig 3

Applications

- ▶ Omni-directional Inset fitting for final approach and take off (FATO)
- ▶ Where a FATO is established at a surface-level heliport on ground intended for use at night, FATO lights shall be provided except that they may be omitted where the FATO and the TLOF are nearly coincidental or the extent of the FATO is self-evident.
- ▶ FATO lights shall be placed along the edges of the FATO. The lights shall be uniformly spaced as follows:
 - a) for an area in the form of a square or rectangle, at intervals of not more than 50 m with a minimum of four lights on each side including a light at each corner; and
 - b) for any other shaped area, including a circular area, at intervals of not more than 5 m with a minimum of ten lights.



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
0 to 359	3 to 20	WHT	7.5	18.9 (19.4)	0.975	21.8 (22.8)	0.953

Fixture Operational Current Range: 6.5 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.

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

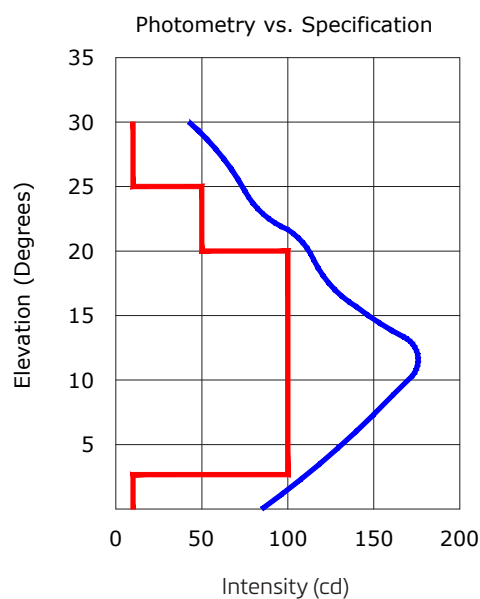
FATO Annex 14 Vol II, Fig 5.9.11.5

Colour	White
Main rect. minimum intensity range	100 cds
Second rect. minimum intensity	50 cds

Typical Measured Values

Colour	White
Main rect. maximum intensity (A)	183 cds
Main rect. minimum intensity (B)	120cds
Second rect. minimum intensity	60cds

Intensity Chart - FATO Light - White



Specification

- ZA293L - 20 Watt @ 6.6 amps
- ICAO Annex 14: 2 Edition Illustration 5

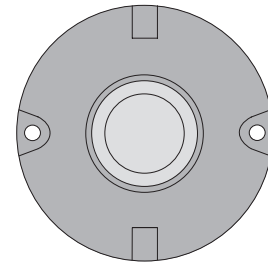
Performance omni-directional, graph shows a typical slice

Ordering Codes ZA293



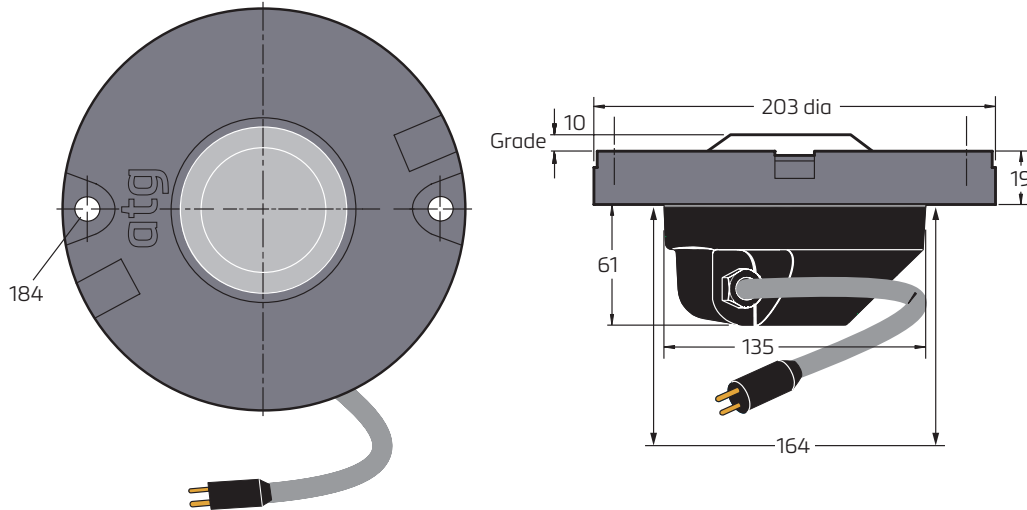
- Application**
ZA293(L) - Final Approach and Take off
- Beam Type**
7 = Omni Directional (360°)
- Colour**
W = White
- Specification**
2 = ICAO
- Electrical Supply**
1 = 6.6
4 = 120V
5 = 240V

Beam Options



ZA293L
Omni Directional 360°

Dimensions



Packaging

- ▶ Net weight 3kg
- ▶ Gross weight 3.5kg
- ▶ Box 230mm(w) x 230mm(d) x 146mm(h)

Consultants specification and installation information is available by request.
Contact marketing@atgairports for further details.



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Heliport Lighting
ZA293L