



ZA292

Taxiway and Apron edge
High intensity
lighting solutions

Compliant to Latest International Standards*

- ▶ ICAO Annex 14. Vol 1
- ▶ FAA AC 150/5345-46
- ▶ IEC /TS 61827
- ▶ EASA
- ▶ Stannag 3316 (NATO)
- ▶ MOS Part 139

Applications

CAT II/III all weather operation airfield ground
lighting (agl) systems.

* As applicable to the application, compliance with other civil aviation and
military regulations confirmed on request

† Electrical/Mechanical/Environmental characteristics only

Electrical Supply

Suitable for use in 6.6A airfield lighting circuits normally supplied from 1 x 45W, 65W or 100W isolating transformer. 120V and 240V mains supply versions also available. Power consumption is either 30W, 36W, 40W, 49W or 105W depending upon type of lamp fitted.

Photometry

Specification

Taxiway & Apron Edge omni-directional ICAO - 5.3.18.7/8 FAA L-852T

Colour Blue

Main rect. minimum intensity 0°-6° 2 cd

Second rect. minimum intensity 6°-90° 0.2 cd

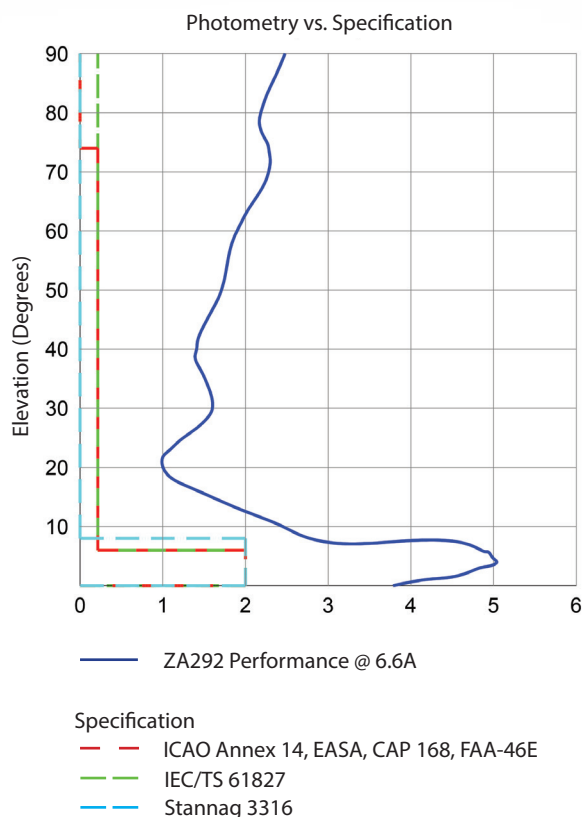
Typical Measured Values

Colour Blue

Main rect. minimum intensity 0°-6° 3.0 cd

Main rect. minimum intensity 0°-8° (Stannag) 2.9 cd

Second rect. minimum intensity 6°-90° 1.0 cd



Specifications

Blue omni-directional, taxiway, or low intensity taxiway edge.

The taxiway light shall comply with ICAO Annex 14 for use in category I, II and III all weather operations, CAP168, FAA and STANAG 3316. Fittings shall be modular in design with the main casting manufactured in aluminium alloy, suitably protected against corrosion and finished in natural anodised.

The optical system shall comprise of a 48 watts MR16 reflector lamp. One glass prism refractor shall be accurately located in the main casting, without the need for additional adhesives or sealants, to direct the light beams such that no re-focusing is required on installation, maintenance or in service.

Lamp replacement shall be easily effected from the bottom of the fitting.

The light fitting shall have an upper surface forming a smooth sloping face projecting not more than 12mm above the pavement

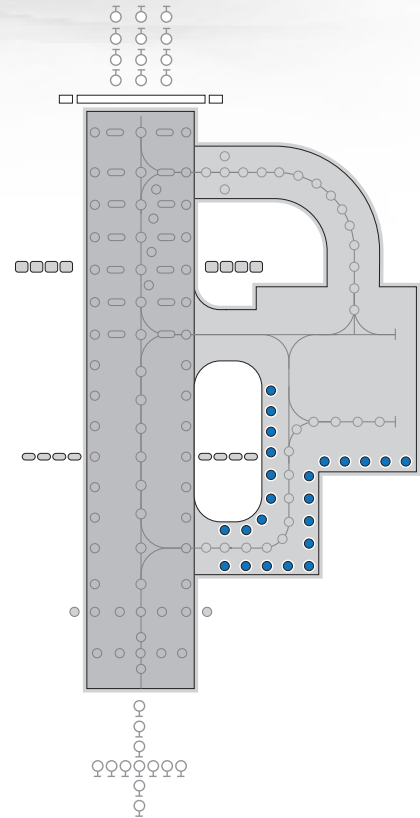
surface. The fitting shall resist all stresses imposed by impact, rollover and static loads of present day aircraft without damage to the fitting or to aircraft and vehicle tyres.

The fitting shall be suitable for installation in the pavement surface in a cast aluminium seating pot, type ZM109, or for dry installation applications, type ZM181, or ZM203 IEC. Other mounting adaptors shall be available to allow installation on FAA L868 canisters.

A handbook shall be provided giving full installation, operation and maintenance instructions together with a detailed parts list.

Features

- Body casting manufactured from aluminium alloy for lightness, strength and durability
- IEC body style as standard, PSA 8" 2 hole and 8" 3 hole versions available
- 3 hole body option for direct installation to SRA8/13 adaptor ring
- Long life lamps (objective life of 1500 hours at full brilliancy)
- Prism removal and replacement achieved without the need for adhesive or sealants
- Colour beam variations achieved by dichroic coated or coloured glass
- Lamp by-pass options available if required
- Suitable for direct installation in a ZM109, ZM181 PSA or ZM203 IEC seating pot with only two point fixing
- Pre-focused optics to simplify maintenance procedures
- Low profile (10mm)
- Light channel within 5mm of Grade
- Natural anodised finish
- IMM available on request



Environmental Conditions

▶ Ambient Temperature	-55 °C to +55°C (-67 °F to +131°F)	▶ Atmospheric Altitude	up to 10,000 feet (3000m)
▶ Storage Temperature	-55°C to +70°C (-67 °F to +158°F)	▶ Relative Humidity	0-100% (sealed unit)

Standards	
EMC protection	Immunity IEC 61000-6-2 Emission IEC 61000-6-4 FCC Part 15B
Ingress protection class dust/liquids	IP67 (IEC 69598-1)
Vibration resistance	FAA AC 15/5345-46E
Low temperature	FAA AC 15/5345-46E
Leakage	FAA AC 15/5345-46E

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Inset Taxiway and Apron edge
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Ordering Codes:



Application

ZA292 Taxiway & Apron Edge omni-directional

Beam Type

1 = Omni directional (360°)

Colour

B = Blue

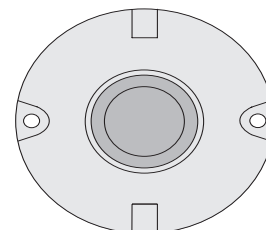
Optional Shield

1 = 180° Shield
0 = No Shield

Specification

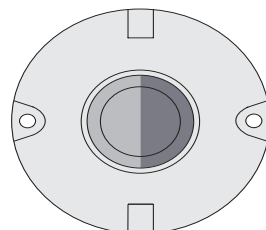
1 = FAA
2 = ICAO
3 = MOS 139

Beam Options



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Omni Directional 360°



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Omni Directional with 180° Shield

Additional optional features may be available upon request

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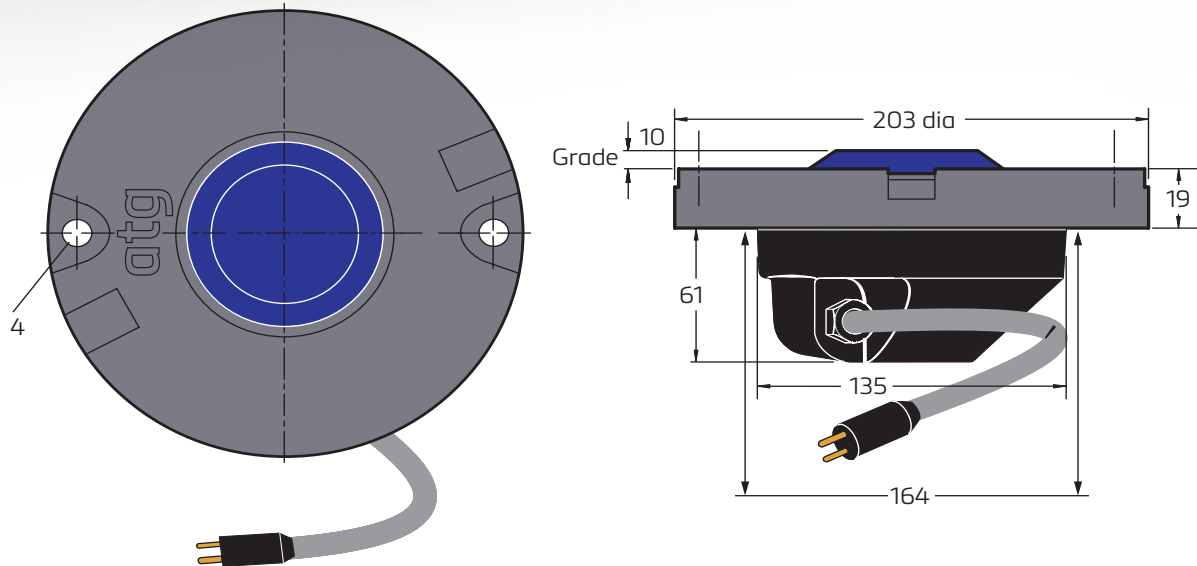
www.atgairports.com enquiries@atgairports.com sales-usa@atgairports.com

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Dimensions



Packaging

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

weights and dimensions are nominal



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