



ZA280L ZA281L

Taxiway Centreline & Stopbar

High intensity bi/uni-directional inset lights

Features

- Body casting manufactured from aluminium alloy for lightness, strength and durability
- IEC body style as standard. 8" atg 2-hole style available
- Prism removal and replacement achieved without the need for adhesive or sealants
- Colour variations achieved by using colour specific LED's
- A window blank is available for uni-directional applications
- Suitable for direct installation in a ZM203i, ZM109, or ZM181 seating pot with only two point fixing
- Pre-focused optics to simplify maintenance procedures
- Light channel within 5mm of grade
- An optional external power converter can be supplied in the secondary cable between the isolating transformer and fitting
- The power convertor will control the LED's light output through 3 stages of brilliancy
- Natural anodised finish (as standard), powder coated NATO green or golden yellow
- Electronic driver in base or as separate module
- IMM available on request

Compliance with standards

- **FAA** AC 150/5345-46D L-852A,B,C,D
- **ICAO** Annex 14
- **NATO** STANAG 3316
- **CAA** CAP168
- **BS3224** Part 5 inset fittings

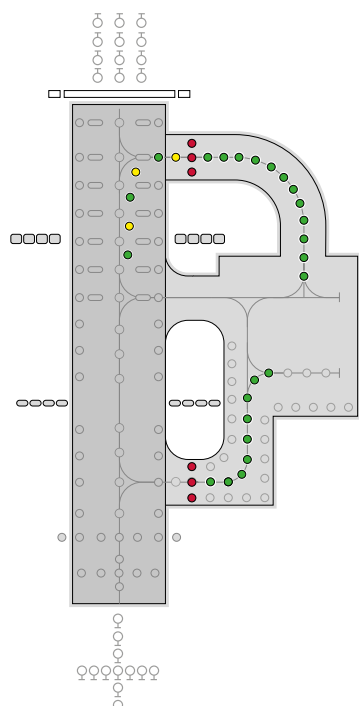
Application

Uni or bi-directional inset LED fitting suitable for use in CAT I, II and III all weather operations as:

- taxiway centreline
- stop-bar

Options

- ZM203 (I) (dry)
- ZM203 (I) (wet)
- ZM109 8" seating pot (wet)
- ZM181 8" seating pot (dry)
- 12" and 15.5" PSA & FAA L868 cannister adaptors
- ZS023 sighting device
- ZM107, ZM181, ZM203(I) installation jigs
- External power converter (driver)



Electrical supply

Suitable for use in 6.6A airfield lighting circuits normally supplied from 1 x 45W, 1 x 65W or 100W isolating transformer. Total power consumption is 25W.

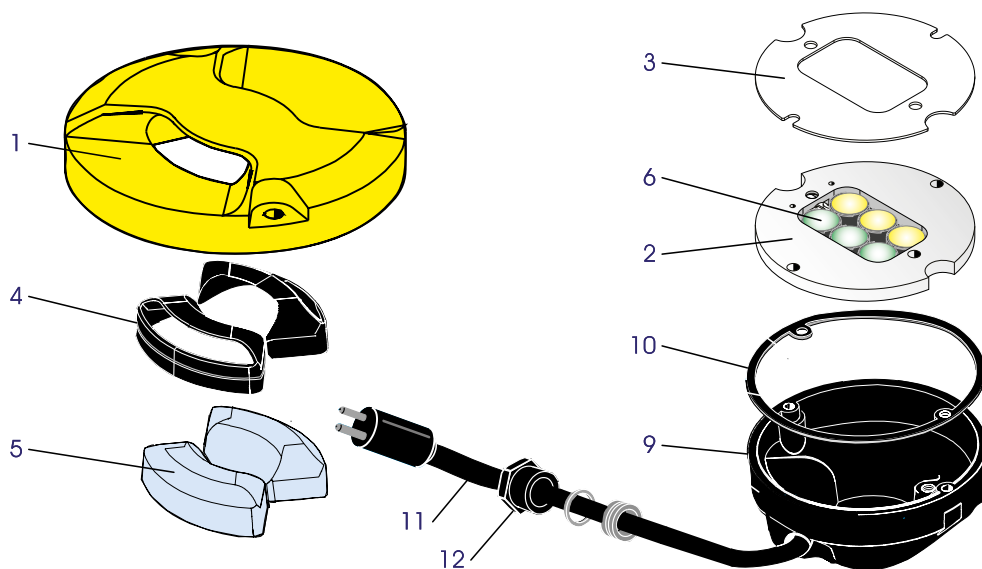
Suitable for use in a dedicated passive circuit supplied from a 10W or 25W 6.6A/0-4A isolating transformer. Power consumption is 10W, or 25W.

Packaging data

Net weight	3kg
Gross weight	3.5kg
Carton size	230mm(w) x 230mm(d) x 146mm(h)

Components

- 1 Body Casting
- 2 Prism Clamp
- 3 Prism Clamp Gasket
- 4 Prism Gasket
- 5 Glass prisms (1 or 2)
- 6 LED Cluster
- 9 Bottom Cover
- 10 Bottom Cover Gasket
- 11 'B' Type Plus Lead
- 12 Cable Gland Assembly



Note: Electronic driver can be supplied in the bottom cover or as a separate unit (ZL836)

Typical installation methods

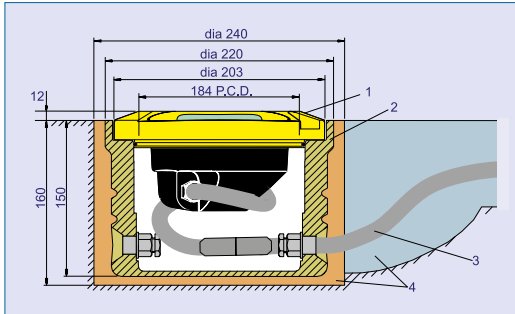
Typical installation Methods

- Standard - In a ZM203i seating pot
- IEC - In a ZM109 or ZM181 seating pot (wet or dry)

- ATG - In an FAA base can type L868

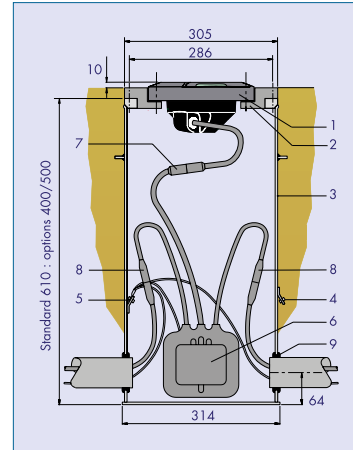
Installation onto an FAA L-868 seating cannister is achieved by means of a suitable 12" or 15.5" adaptor.

ZA280 LED Installed In ZM203(I) Seating Pot (Dry)



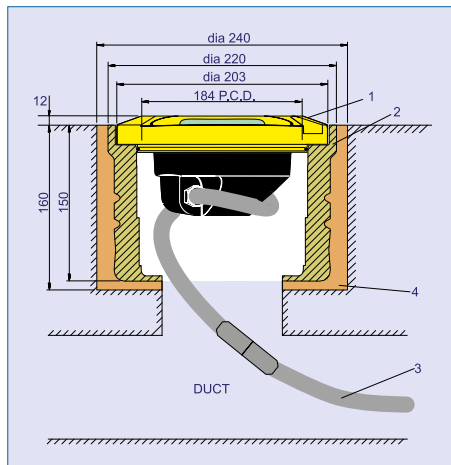
1. ZA280(I) LED Fitting
2. ZM203 I Seating pot - DRY
3. Secondary lead
4. Grout

ZA280 LED installed on FAA L-868 base



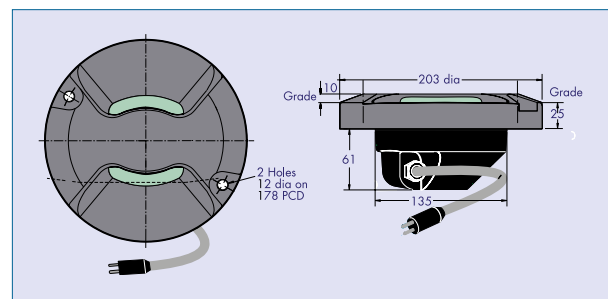
1. ZA280 LED Fitting
2. 12" Mounting adaptor
3. FAA L-868 Base (one piece)
4. Outer earth terminal (optional)
5. Inner earth terminal (optional)
6. Isolating transformer
7. Secondary connector
8. Primary connection
9. Grommet

ZA280(I) LED Installed In ZM203(I) Seating Pot (Wet)



1. ZA280(I) LED Fitting
2. ZM203 I Seating pot - WET
3. Secondary lead
4. Grout

General Arrangement (PSA)

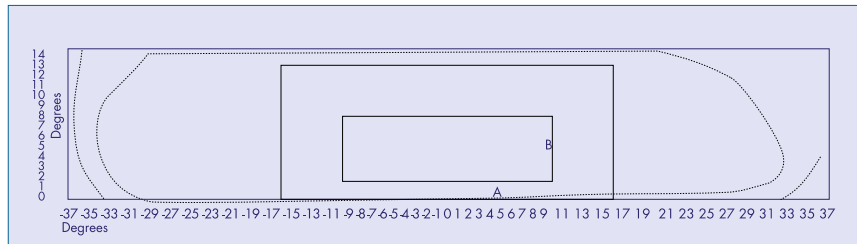


* Electronic control gear in base.

Photometric performance

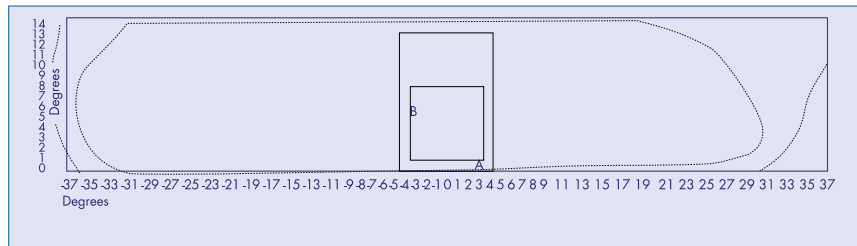
Taxiway Centreline: Straight/Offset CAT III

ZA280L	Green/Yellow/Red
Main Ellipse Intensity Measurements (Candelas)	
Average	266
Min. average	200
Max (B)	326
Min (A)	165
Nominal Lamp Details	
Power	25 Watts
Current	6.6 Amps
Annex 14	Fig 6A/Fig 2.13



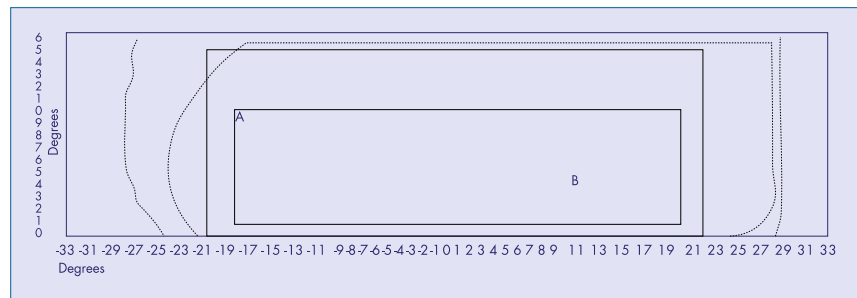
Taxiway Centreline: Straight CAT III

ZA280L	Green/Yellow/Red
Main Ellipse Intensity Measurements (Candelas)	
Average	255
Min. average	200
Max (B)	304
Min (A)	165
Nominal Details	
Power	25 Watts
Current	6.6 Amps
Annex 14	Fig 6A/Fig 2.13



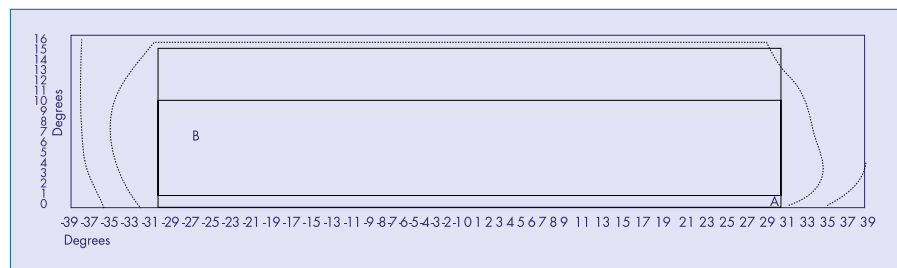
Taxiway Centreline: Curved CAT III

ZA281L	Green/Yellow/Red
Main Ellipse Intensity Measurements (Candelas)	
Average	241
Min. average	100
Max (B)	301
Min (A)	109
Nominal Details	
Power	25.0 Watts
Current	6.6 Amps
Annex 14	Fig 6A/Fig 2.15



Taxiway Centreline: FAA (Wide) CAT III

ZA280L	Green/Yellow
Main Ellipse Intensity Measurements (Candelas)	
Average	261
Min. average	100
Max (B)	335
Min (A)	84
Nominal Details	
Power	25.0 Watts
Current	6.6 Amps
FAA	AC No.150/5345-460 L-852 D



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