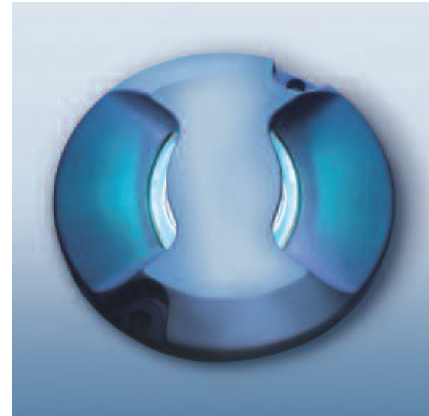
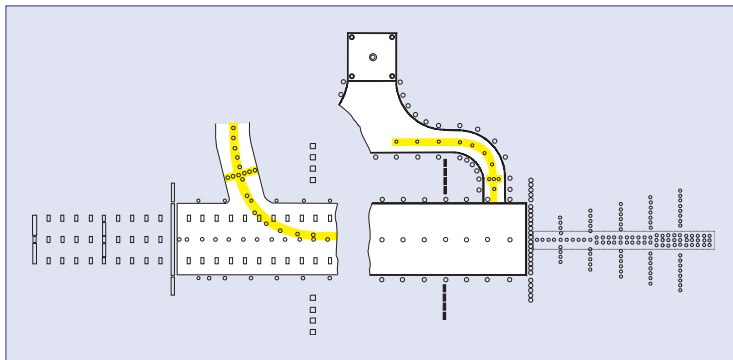


ZA280/281 Taxiway Centreline & Stopbar Utilising Light Emitting Diodes (LED's)



high intensity bi/uni-directional inset lights



features

- Body casting manufactured from aluminium alloy for lightness, strength and durability
- IEC body style as standard
- 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
- Low profile (10mm)
- Light channel within 5mm of grade
- An external power converter can be supplied in the secondary cable between the isolating transformer and fitting
- The power converter will control the LED's light output through 3 stages of brilliancy
- Natural anodised finish (as standard), powder coated NATO green or golden yellow
- IMM available on request

compliance with standards

- | | |
|-----------------|---|
| • FAA | AC 150/5345-46C L-852A,B,C,D |
| • ICAO | Annex 14, figs 1.1, 2.12,13,14,15,16 |
| • NATO | STANAG 3316 |
| • CAA | CAP168, figs 6A/12,13,14,15,16 & table 6A/1 |
| • BS3224 | Part 5 inset fittings |

application

High intensity, inset taxiway centreline and stop-bar lights for use in all weather operation installations up to ICAO category III systems.

options

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

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.

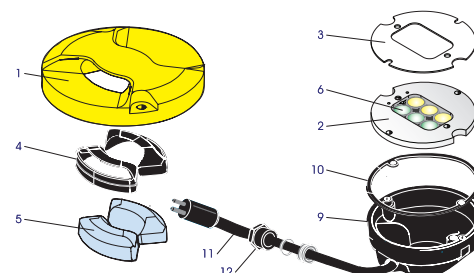
Suitable for use in a dedicated passive circuit supplied from a 10W or 25W 6.6A/0-4A isolating transformer. Power consumption is 10W.

packaging data

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

components

- | | | |
|-----------------------------------|----------|--|
| 1 Body Casting: | | |
| Anodise | | |
| Golden | | |
| Yellow | | |
| NATO Green | | |
| 2 Prism Clamp | | |
| 3 Prism Clamp Gasket | | |
| 5 Glass prisms (1 or 2) | SLC16072 | |
| green full filter | SLC19156 | |
| yellow full filter | SLC19157 | |
| red full filter | SLC19155 | |
| blank for prism aperture | SLC40102 | |
| green half filter | SLC19159 | |
| yellow half filter | SLC19160 | |
| red half filter | SLC19158 | |
| 6 LED Cluster | | |
| Green/Green | SLC08113 | |
| Yellow/Yellow | SLC08114 | |
| Red/Red | SLC08112 | |
| Green/Yellow available on request | | |
| 7 Not used | | |
| 8 Not used | | |
| 9 Bottom Cover | | |
| 10 Bottom Cover Gasket | | |
| 11 'B' Type Plus Lead | | |
| 12 Cable Gland Assembly | | |



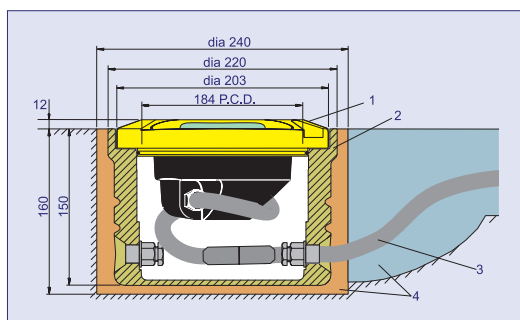
typical installation methods

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**

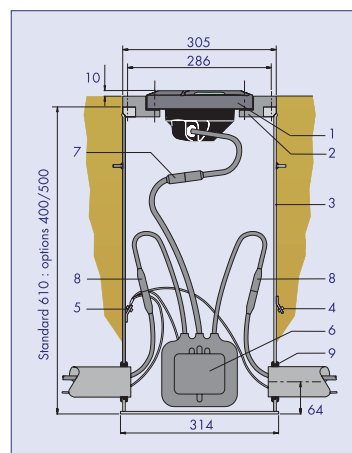
Installation onto an FAA L-868 seating cannister is achieved by means of a suitable 12" or 15.5" adaptor.

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

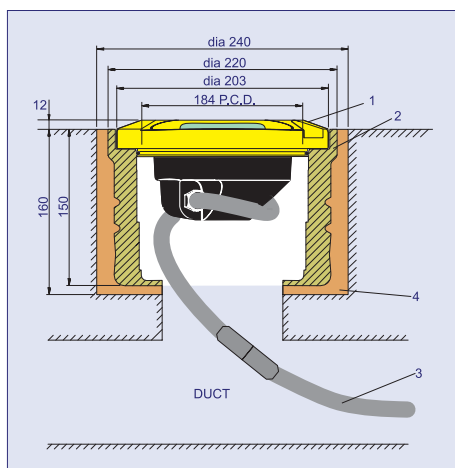


- | | |
|------------------------------|-------------------|
| 1. ZA280 I Fitting | 3. Secondary lead |
| 2. ZM203 I Seating pot - DRY | 4. Grout |

ZA280 installed on FAA L-868 base



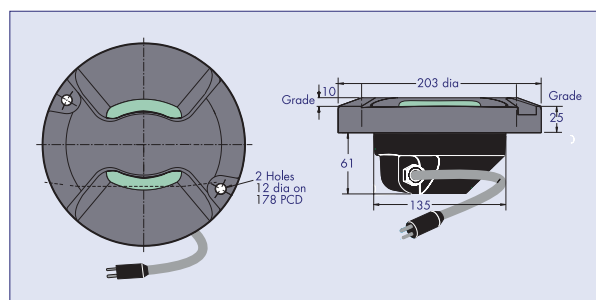
ZA280 LED Installed In ZM203(I) Seating Pot (Wet)



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

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

General Arrangement



photometric performance

Taxiway Centreline

ZA280L Yellow

Main Ellipse Intensity Measurements (Candelas)

Average 390

Min. average 200

Max (B) 527

Min (A) 211

Nominal Lamp Details

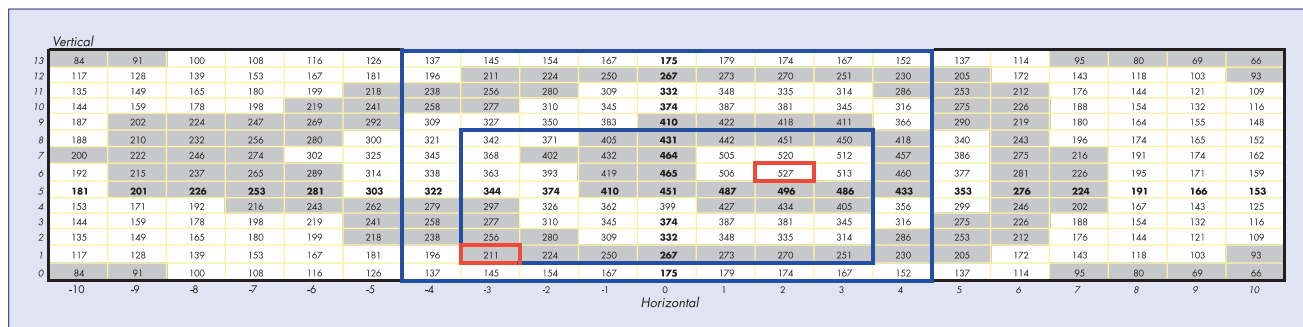
Power 3.0 Watts

Current 6.6 Amps

ICAO Annex 14 Fig 2.13

FAA L-852C

CAP 168 Fig 6A/ Fig 2.13



Taxiway Centreline

ZA280L Green

Main Ellipse Intensity Measurements (Candelas)

Average 409

Min. average 200

Max (B) 553

Min (A) 221

Nominal Lamp Details

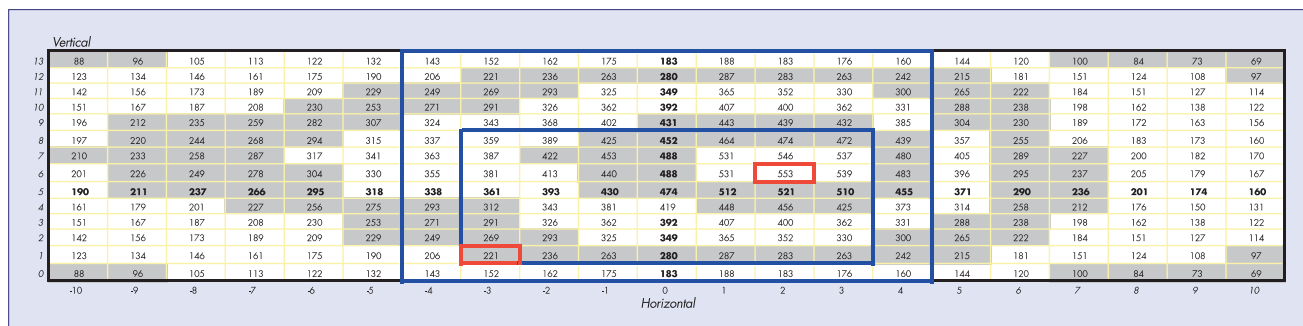
Power 3.0 Watts

Current 6.6 Amps

ICAO Annex 14 Fig 2.13

FAA L-852C

CAP 168 Fig 6A/ Fig 2.13



Taxiway Centreline

ZA280L Red

Main Ellipse Intensity Measurements (Candelas)

Average 430

Min. average 200

Max (B) 580

Min (A) 232

Nominal Lamp Details

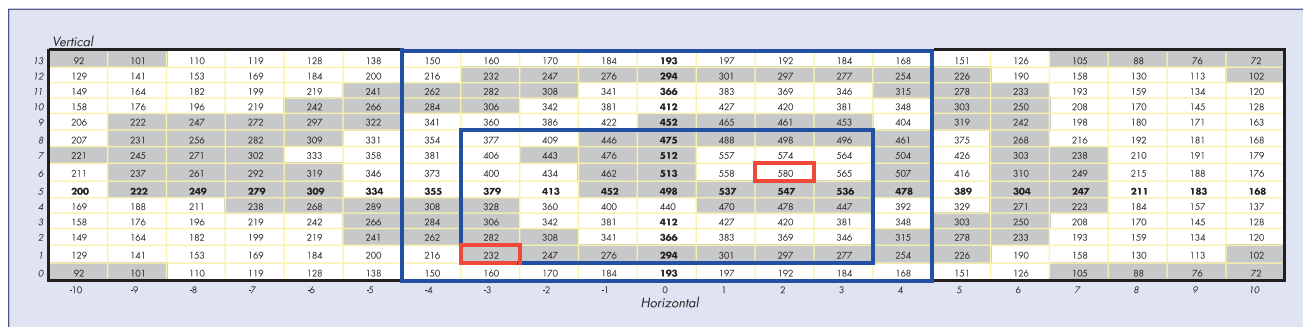
Power 3.0 Watts

Current 6.6 Amps

ICAO Annex 14 Fig 2.13

FAA N/A

CAP 168 Fig 6A/ Fig 2.13



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