

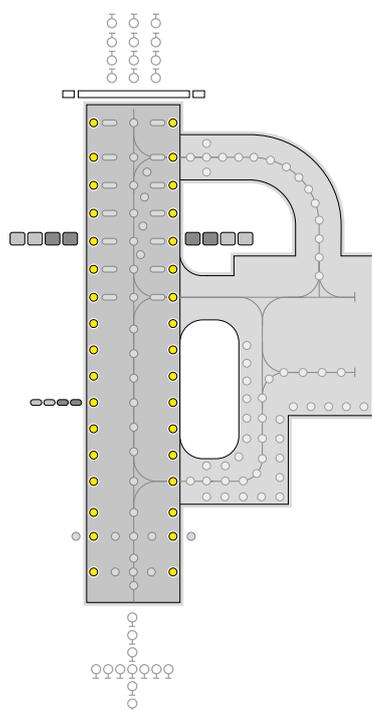
Tungsten halogen technology



# ZA183

## Runway edge

High intensity bi-directional inset light



### Features

- Lightweight and robust due to its aluminium alloy construction which also gives good corrosion resistance
- Designed to be mounted in 12" or 15.5" adaptor flange
- Full range of FAA and PSA adaptors available
- Long life, low energy lamps (1500 hrs/105W 6.6A at full brilliancy), 2 off per fitting
- Pre-focused optics simplify maintenance procedures
- Light channel within 5mm from Grade
- Two point fixing into mounting adaptor for faster installation and removal of light fitting
- Low profile (12mm) to reduce possibility of damage to aircraft and vehicle tyres
- Prisms accurately located and secured in the body casting without the need for sealing compound to facilitate removal and replacement
- All fasteners are stainless steel
- IMM available on request

### Compliance with standards

- **FAA** In compliance with FAA L-850C, specifications AC 150/5345-46D
- **ICAO** In compliance with ICAO Annex 14 3rd Edition, figs 2.9 & 2.10
- **NATO** In compliance with STANAG 3316
- **CAA** CAP168, figs 6A/9 & 6A/10
- **BS3224** Part 5, inset fittings
- **EASA** U13, U14

### Application

Runway edge fitting for use in category I, II & III all weather operation airfield lighting systems.

### Options

- ZM181 8" seating pot (wet)
- ZM181 8" seating pot (dry)
- BS 12" adaptor flange
- BS 15.5" adaptor flange
- FAA 12" axial adaptor flange
- ZS023 sighting device
- Extractor tool
- ZM181 installation jig

### Electrical supply

Suitable for use in 6.6A airfield lighting circuits, normally supplied from either one 200W or two 100W isolating transformers.

### Packaging data

Net weight	5kg
Gross weight	6kg
Carton size	220mm(w) x 220mm(d) x 126mm(h)

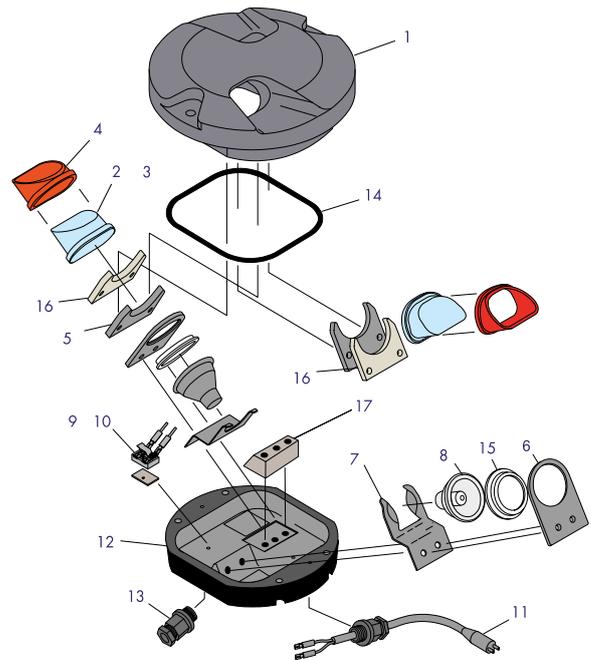
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ZA183

## Components

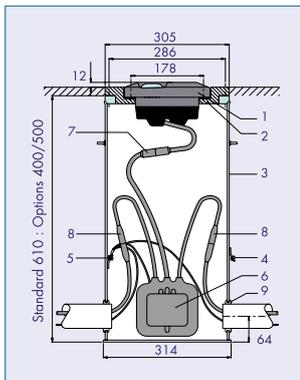
- |    |   |                                  |
|----|---|----------------------------------|
| 1  | Body casting anodised aluminium                         | Not saleable                     |
| 2  | Clear prism (1 or 2) or<br>Red prism or<br>Yellow prism | SLC16069<br>SLC19141<br>SLC19153 |
| 3  | Blank for prism aperture                                | SLC40092                         |
| 4  | Prism gasket (2)  | SLC33075                         |
| 5  | Prism retaining clamp (2)                               | SLC32037                         |
| 6  | Lampholder (2)  | SLC32040                         |
| 7  | Lamp retaining spring (2)                               | SLC32039                         |
| 8  | Cold reflector lamp - 105W 6.6A (2)                     | SLC08075                         |
| 9  | Lamp by-pass disc assembly (1 or 2) optional            | DRG28848C                        |
| 10 | 100W by-pass disc (1 or 2) optional                     | SLC21135                         |
| 11 | 'B' type plug lead (1 or 2)                             | SLC13026                         |
| 12 | Base casting single lead<br>or twin lead                | Not saleable<br>Not saleable     |
| 13 | Cable gland assembly (1 or 2)                           | SLC21282/3/4                     |
| 14 | Sealing gasket  | SLC33070                         |
| 15 | Lamp gasket (2)   | SLC33083                         |
| 16 | Prism clamp gasket (2)                                  | SLC33069                         |
| 17 | Lampholder support block (2)                            | SLC21296                         |



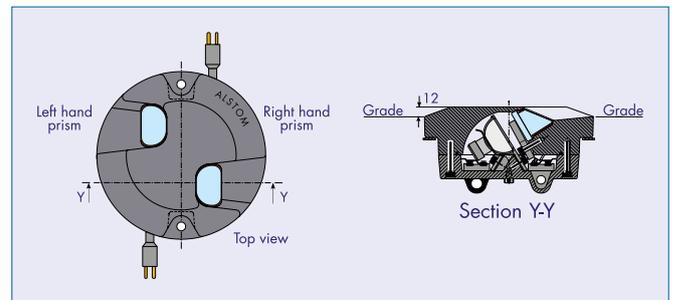
## Typical installation methods

- In FAA 12" dia L-868 base

ZA183 installed on FAA L-868 base



General arrangement



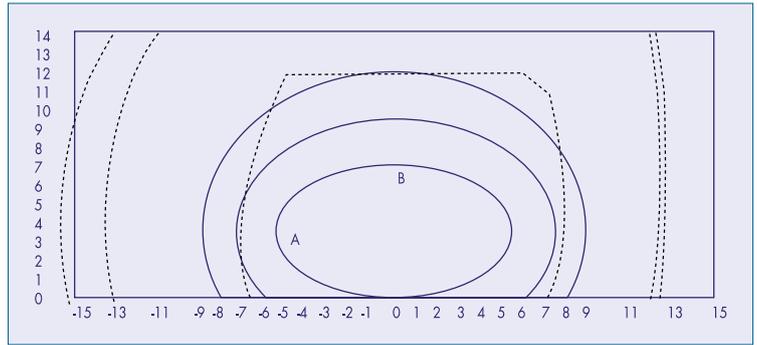
# Photometric performance

## Runway Edge

White ZA183  
 Main Ellipse Intensity Measurements (Candelas)  
 Average 10409  
 Min. Average 10000  
 Max (B) 12851  
 Min (A) 6560

### Nominal Lamp Details

Power 105.0 Watts  
 Current 6.6 Amps  
 ICAO CAP168  
 ANNEX Fig 6A/10



## Ordering code

ITEM	COLOUR								PLUG LEAD		LAMP		BYPASS DEVICE		FINISH	
	Left-hand Side				Right-hand Side				1	2	1	2	N	B	Y	C
	W (White)	R (Red)	N (Blank)	Y (Yellow)	W (White)	R (Red)	N (Blank)	Y (Yellow)	(B Type Lead, Single)	(B Type Lead, Twin)	(1 Lamp)	(2 Lamp)	(Not Fitted)	(Fitted)	(Golden Yellow)	(Anodised Aluminium)
ZA183	W				W				1		2		N		Y	



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