



TWGLF

INSET RUNWAY GUARD LIGHT



COMPLIANCES

ICAO: Annex 14 - Volume I Fig. A2-20

FAA: L-852G AC150/5345-46

IEC: TS 61827

NATO: STANAG 3316

APPLICATIONS

Runway Guard Light for ICAO CAT I, II and III, FAA and military taxiways

BENEFITS

- 1500 hours lamp rated life at full intensity, but over 3000 hours in field operating conditions
- Significant energy saving and stable chromaticity thanks to the use of dichroic filters
- Designed and manufactured with simplicity and easy to maintain
- No use of sealant to fix the prisms in the dome thanks to customized gaskets, making their replacement quick and easy
- No optical adjustment after lamp, filter or prism replacement
- Valve for watertightness test after overhaul
- Dome temperature less than 160°C at 6.6A

PERFORMANCES

- 6.35 mm protrusion strongly reduces vibrations to aircrafts and to light itself, increasing its lifetime
- Dome smooth outer profile makes the light less sensitive to snowplough blades
- Unidirectional, 8" dia.
- Drop-forged dome and cast aluminium lower cover make the fitting sturdy, but lightweight too for ease handling in the field
- Light output practically not affected by heavy rainfall thanks to the shallow channel in front of the prism windows
- O-Ring placed outside the dome to avoid dirt deposits between light and base
- Protection degree: IP67
- Temperature range: -55°C to +55°C

INSTALLATION

- Suitable for 8" dia. bases
- Adaptor ring for installation on 12" dia. bases
- Specific tools available for easy and precise installation

PHOTOMETRIC PERFORMANCES

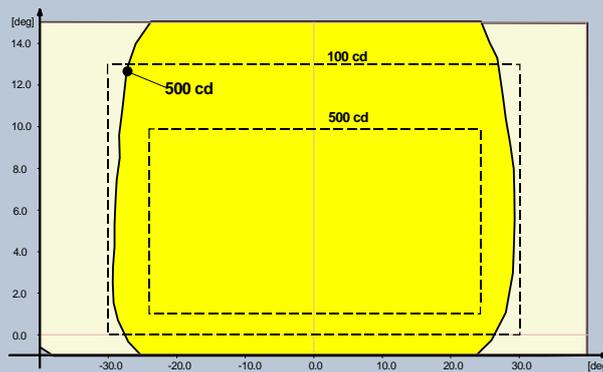
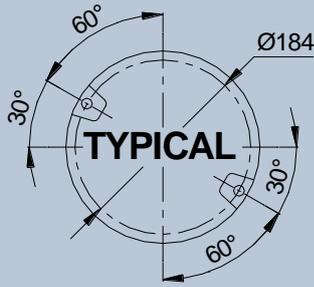
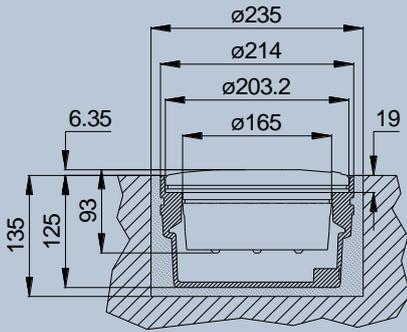


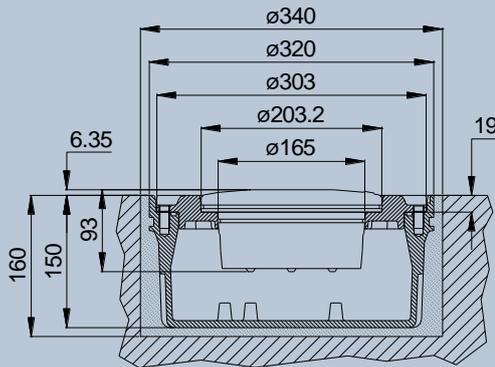
Fig. 1 FAA L-852G



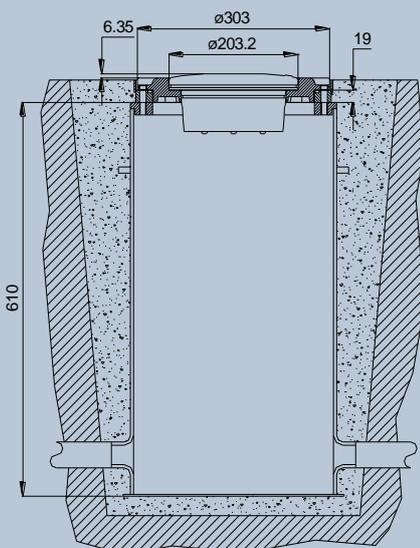
Light Fixture 8" dia.



Shallow Base 8" dia.



Shallow Base 12" dia.



L-868 Deep Base 12" dia.

TWGLF - F - Y - 100 - O - F

Basic P/N: _____

Compliance: _____

I = ICAO

F = FAA

Colour: _____

Y = Yellow

Lamp: _____

100 = 1x105W 6.6A with reflector

Mounting Assembly: _____

O = No Mounting Assembly

R = Adaptor Ring 8"-12" dia.

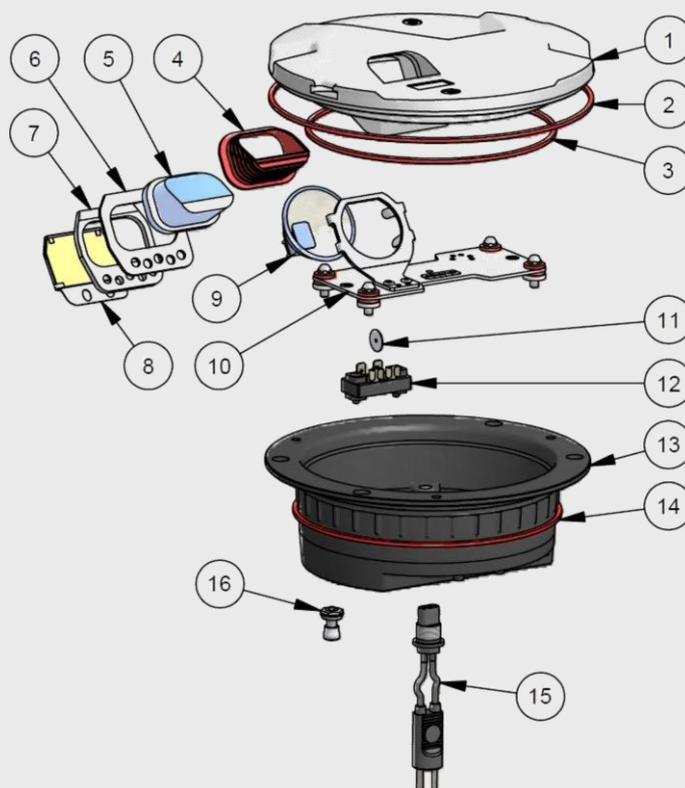
Options: _____

F = Fuse Cutouts

RENEWAL PARTS FOR LIGHT UNIT

- 1 Dome with prism and gaskets
- 2 O-Ring for dome
- 3 O-Ring for lower cover
- 4 Prism gasket
- 5 Prism
- 6 Teflon gasket
- 7 Mounting plate
- 8 Filter
- 9 Lamp
- 10 Lampholder
- 11 Fuse Cutout
- 12 Insulated Strip with Hardware
- 13 Lower cover with plug and valve
- 14 O-Ring for base
- 15 FAA L-823 plug
- 16 Valve for watertightness test

Refer to the relevant technical manual for the complete list of the available spare parts

**ACCESSORIES**

- 315.1230 Base L-868 type, class IA, size B, 24" deep *
- 315.1420 Flange ring with pavement dam for L-868 base, size B, with O-Ring and bolts
- 152.5251 Shallow base, 8" dia., one cable lead, with hardware
- 152.8110 Shallow base, 12" dia., one cable lead, with gasket and hardware
- 152.6116 Adaptor Ring 8"-12" dia. complete with hardware
- 712.1034 Setting material for shallow base, 10 lt
- 712.1035 Quartz for shallow base, 25 kg
- 332.4301 Positioning jig for 8"-12" dia. shallow base, without optical device
- 332.4351 Optical device for positioning jig to allow a very precise light unit orientation
- 332.4330 Watertight/shockproof plastic case complete with positioning jig for base and optical device
- 332.4140 Lifting tool (2 pieces to work properly)

* Sectional bases may be required depending upon the paving technique

For any information about isolating transformers and connectors, please see the specific catalogue pages

Shipping Weights and Volumes

| | Light Unit | Shallow Base | Light Unit & Adaptor Ring |
|--------------------------|------------|--------------|---------------------------|
| Weight (kg) | 2.9 | 3.2 | 6.05 |
| Volume (m ³) | 0.007 | 0.007 | 0.013 |

We reserve the right to change the design or specification data without notice

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