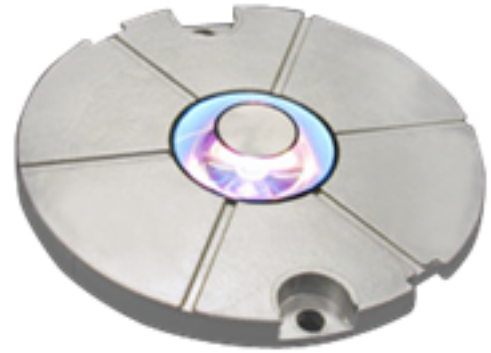


Taxiway Lighting

IN-OMA

8" Omnidirectional Medium-Intensity Inset Light



Compliance with Standards

ICAO: Annex 14 Volume I (Current Edition)

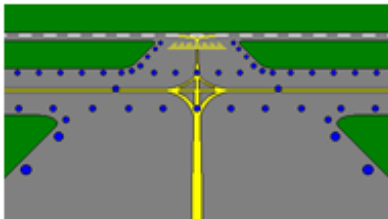
FAA: L-852T, AC 150/5345-46D

NATO: STANAG 3316

French STNA

CAP 168

BS 3224



Uses

IN-OMA is an 8" omnidirectional medium intensity inset light. This fixture has following application areas:

- Taxiway Edge
- Apron Edge
- Runway Approach
- Runway
- Threshold Runway End

Features & Benefits

- Low power consumption: only 40 or 45 Watts
- Lamp life greater than 1,500 hours for 45 W at 6.6 Amps
- Low projection: 10 mm (<1/2")
- Small diameter: 203 mm (8")
- Shallow depth: installation in 100 mm shallow base (shallow cover version)
- Excellent photometric performances obtained by the use of reflector lamp:
 - Improved luminous efficacy.
 - Identical lamp performance: Reflector being an integral part of the lamp, hence each time the lamp is changed there will be a new reflector
 - High optical stability: No internal adjustment needed since the pre-focus lamp is always correctly positioned inside the lamp reflector
- Very easy and quick maintenance: Small quantity of components so lights can be easily dismantled
- Non-sealed prism easy to replace
- No negative slope: Identical light intensity performances in both dry and rainy conditions
- Valve for water-tightness test
- Many parts common with other lights in the same range
- Easy handling and transport due to small size and low weight
- Withstand the FAA and IEC Static Load Test

Taxiway Lighting

IN-OMA

Technical Characteristics

Component	Description
Lamp:	40 or 45 Watts 6.6 Amps pre-focused halogen lamp with an integral dichroic-coated reflector. Lamp life at 6.6 Amps greater than 1,500 hours.
Power Supply:	The fitting is supplied with one two-pole secondary FAA plug to connect it to one isolating transformer.
Photometry:	Distribution and homogeneity comply with Appendix 2 of I.C.A.O Annex 14 Volume I and with FAA L-852T.
Color:	Blue, green, yellow or red dichroic filter. Chromaticity complies with Appendix 1 of ICAO Annex 14. Volume I. Transmission Factor (when Hot): Blue = 0.04 - Green = 0.45 - Yellow = 0.55 - Red = 0.25.
Finish:	All external parts are made of anodised tempered aluminium alloy casting. All fixings and fastenings are stainless steel
Fixing on support:	By two M10 studs and nuts (supplied with the base or the adapter ring)
Projection:	10 mm (<1/2")
External diameter:	203 mm (8")
Net Weight:	3 kg

Packing Data

Designation	Volume m ³	Dimensions mm	Weight kg
IN-OMA fitting with short cover	0.006	230 × 230 × 115	3.0
IN-OMA fitting with long cover	0.007	220 × 230 × 140	3.2

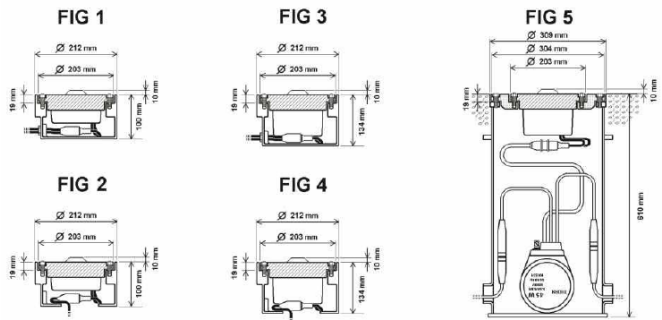
Installation

Description

- On 8" shallow base 100 mm deep with side access (see FIG 1) or with bottom access (see FIG 2). Shallow Cover.
- On 8" shallow base 134 mm deep with side access (see FIG 3) or with bottom access (see FIG 4). Long Cover.
- On FAA L-868B deep base by means of 12" / 8" adapter ring (see FIG 5).
- On SR8 seating ring by means of SR8/8" adapter ring.

Note: When the fitting is equipped with a 45 W or a cut-out device (relay or film disk), a long cover must be used and the minimum depth of the base must be 134 mm. For more information, see the Design section*.

Image examples



For more information about the product, including manuals and certifications, please see the ADB SAFEGATE Product Center at www.adbsafegate.com.

Photometrics

This section includes photometric examples of different light configurations.

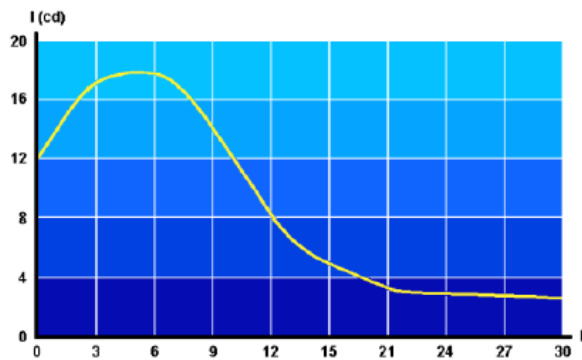
Photometric examples

Taxiway Edge

ICAO and FAA L-852T

IN-OMA (1 × 40 Watts)

Blue Light

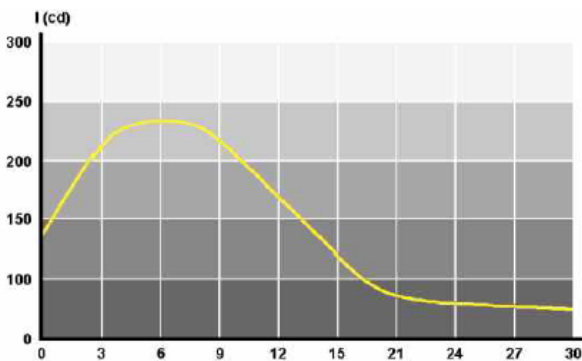


Medium Intensity Runway

Light fitting

IN-OMA (1 × 45 Watts)

White light



Order Code

The table below is a guide to order codes for a fitting with available component parts.

Ordering Code	Components	IN-OMA	40 W	B	SC	RL
Lamp						
40 W diameter 35 mm			40 W			
45 W diameter 50 mm			45 W			
Color(s)						
None (white)				W		
Blue				B		
Green				G		
Yellow				Y		
Red				R		
Green (180°)/Red (180°)				G/R		
Note: Two colors for bi-directional.						
Cover size						
Short Cover					SC	
Long Cover					LC	
Cut out device (option)						
Two cut out film disk						FD
Two cut out relay						RL

Additional

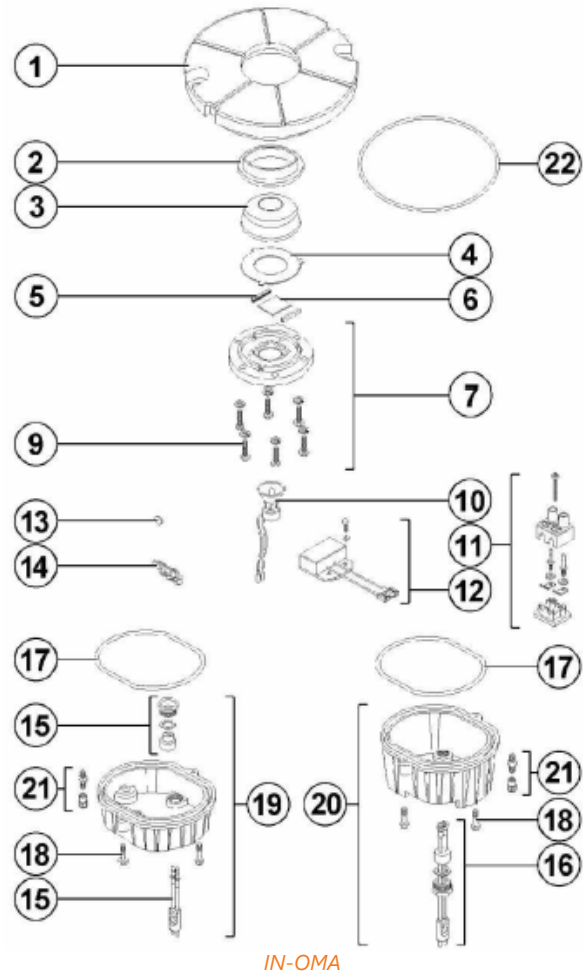
8" shallow base and Adapter ring.

IN-OMA

Design

Components

1. Body
2. Silicone prism gasket
3. Non-sealed prism
4. Prism Protection Plate in Teflon
5. Filter protection gasket
6. Dichroic filter
7. Optical support
8. Not used
9. Optical support fixing screws
10. Pre-focused halogen dichroic reflector lamp:
 - 40 Watts at 6.6 Amps Diameter 35 mm
 - 45 Watts at 6.6 Amps Diameter 50 mm *
11. Cable terminal
12. Cut out relay *
13. Film disk cut out *
14. Film disk cut out holder *
15. Cable subassembly for short cover
16. Cable subassembly for long cover
17. Cover gasket
18. Cover screw
19. Equipped short cover
20. Equipped long cover *
21. Valve for water tightness tests
22. Ring gasket for THORN AFL 8" shallow base.



Note: The complete fitting is delivered with a water tightness O ring gasket for a THORN AFL 8" shallow base.

An asterisk * denotes options when the fitting is equipped with a cut-out device (relay or film disk), a long cover must be used and the minimum depth of the base must be 134 mm.

Note: All descriptions and photometric characteristics in this publication present only general particulars and shall not form part of any contract. The right is reserved to change them without prior notification.