

Airfield Lighting

Product Description

Omnidirectional Medium-Intensity Elevated Light
(IDM 2927)

- Approach Centre Line and Crossbars for Non-Category Lighting Systems



Note: *This page is blank for convenient double-sided printing.*

1. INTRODUCTION

IDM 2927 is an omnidirectional medium-intensity elevated light.

Utilisation

- Approach Centre Line and Crossbars for Non-Category Lighting Systems

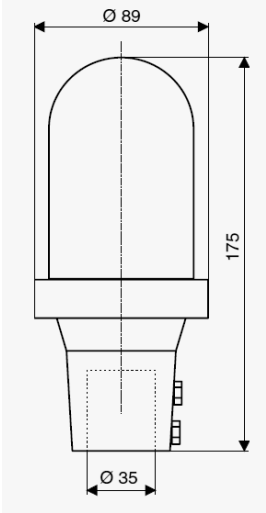
Compliance

- ICAO: Annex 14 Volume I 6th edition July 2013
- Aerodrome Design Manual Part 4 Visual Aids, 4rd edition 2004.

2. MAIN ADVANTAGES

- Fulfils ICAO and FAA standards in categories I, II and III
- Effective and accurate light distribution
- Corrosion resistant materials
- Light weight
- Modularity reduces spare parts stocking needs and costs
- Simple construction, reliable and easy to maintain

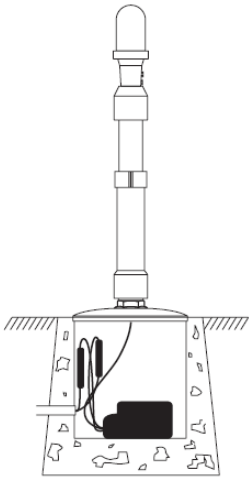
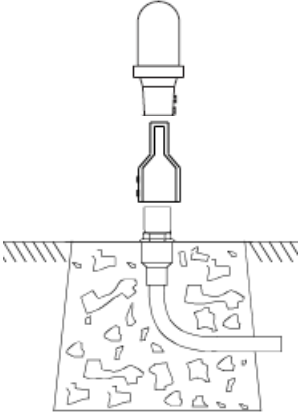

3. TECHNICAL CHARACTERISTICS

Characteristic	Description
Light dimensions	
Weight	2.5 kg
Ingression Protection	IP34
Materials	AlSi12 primary Silicone rubber gaskets Anti-acid and stainless steel hardware
Surface treatment	Powder painting
Cables and connectors	Plugs: FAA L-823 Style 5 Receptacles: FAA L-823 Style 12 Secondary cable: FAA 150/5345-70
Light sources	45W, 6,6A, Pk30d base pre-focused halogen lamp. Average lifetime 1000 hours at rated current.
Accessories	Mechanical adapter 35mm to 60mm Mechanical frangible coupling IDM 5840 Base plate IDM 5838 Transformer case IDM 5448 Curve tube IDM 5839 Safety masts Extension tube 2-core cable with plug KD501

Packing Data		
Designation	Dimensions mm	Weight kg
IDM2927	300 x 200 x 300	2.7

4. INSTALLATION OPTIONS

IDM 2927 can be installed in three different ways:

Description	Image examples
<p>(a) With a mechanical extension and frangible coupling IDM 5840 on a base plate IDM 5838 which is mounted on the transformer case IDM 5448.</p>	 <p>FIGURE 1 – INSTALLATION ON A TRANSFORMER CASE</p>
<p>(b) With a mechanical extension and frangible coupling IDM 5840 on a curve tube IDM 5839.</p>	 <p>FIGURE 2 – INSTALLATION ON A CURVE TUBE</p>
<p>(c) On a safety mast with a D35 mast adapter.</p>	 <p>FIGURE 3 – INSTALLATION ON A SAFETY MAST</p>

5. DESIGN

Mechanical construction

- Body special corrosion resistant aluminium alloy
- Aviation yellow powder painting
- Stainless steel hardware
- Silicone rubber gaskets

Optical construction

- Clear glass bowl
- Green, red and green/red (1800/1800) coloured bowls available.
- 45 W / 6.6 A pre-focused halogen lamp, Pk30d base.
- Average lifetime 1500 hours at rated current.
- Average intensity 80 cd white light to the upper hemisphere.

Accessories

- Mounting bracket
- Secondary cable with plug KD 501

6. ORDER CODES

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

IDM	2927/	45W	-C
2927			
45W			
C=Clear			
G=Green			
R=Red			

For more information, contact Safegate Group or see www.safegate.com.

7. SPECIFICATION

- Compliance with ICAO: Annex 14 Volume I 6th edition July 2013
- Aerodrome Design Manual Part 4 Visual Aids, 4rd edition 2004
- omnidirectional medium-intensity elevated light for:
 - Approach Centre Line and Crossbars for Non-Category Lighting Systems

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.*

Check in to the future

How many aircraft can your airport handle today? Can this number be increased without adverse effects on the airport's safety level? It is a known fact that traffic volume will rise in the foreseeable future. More movements will demand monitoring of the entire airport. Requirements will be sharpened and the development of an integrated system

controlling not only ground movements but also air traffic close to the airport is of the highest interest. The International Civil Aviation Organization (ICAO) already describes A-SMGCS, Advanced Surface Movement Guidance and Control System, as the answer to the future modern airport need to control the entire airport space in one superior system.

To a larger extent than today's systems, A-SMGCS will rely on automated processes to give both pilots and traffic controllers exact information about positions and directions. Safegate Group delivers complete A-SMGCS solutions already, as well as all vital parts relating to it. Safegate Group can check your airport into the future – today!



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