

Airfield Lighting

Product Description

Omnidirectional Low-Intensity Elevated Light
(IDM 5013)

- Taxiway Edge



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

1. INTRODUCTION

IDM 5013 is an omnidirectional low-intensity obstruction light.

Utilisation

- Taxiway Edge

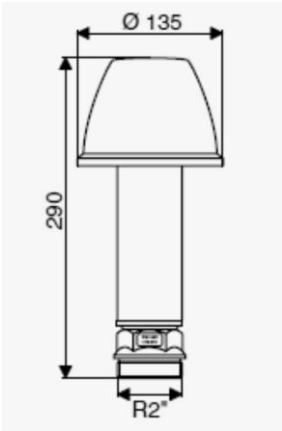
Compliance

- ICAO: Annex 14 Volume I 6th edition July 2013
- Aerodrome Design Manual Part 4 Visual Aids, 4rd edition
- FAA AC 150/5345-46D L-862

2. MAIN ADVANTAGES

- 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

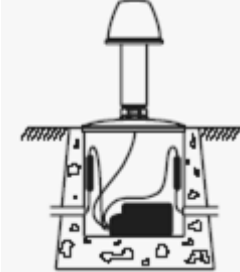
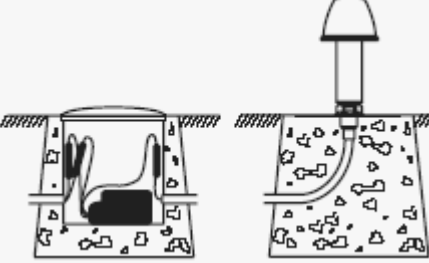
3. TECHNICAL CHARACTERISTICS

Characteristic	Description
Light dimensions	
Weight	1.2 kg
Materials	Body corrosion resistant aluminium alloy Silicone rubber gaskets Anti-acid steel hardware
Surface treatment	Chromatized undercoat Aviation yellow 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	Pre-focused 6.6A constant current halogen lamp, Pk30D base. Power rating 45W. Average lifetime 1500 hours at rated current.
Packing	Dimensions: 340x150x150 mm
Accessories	Base plate IDM 5838 Curve tube IDM 5839 Transformer case IDM 5448/350

Packing Data		
Designation	Dimensions mm	Weight kg
IDM 5013	340 x 150 x 150	1.2

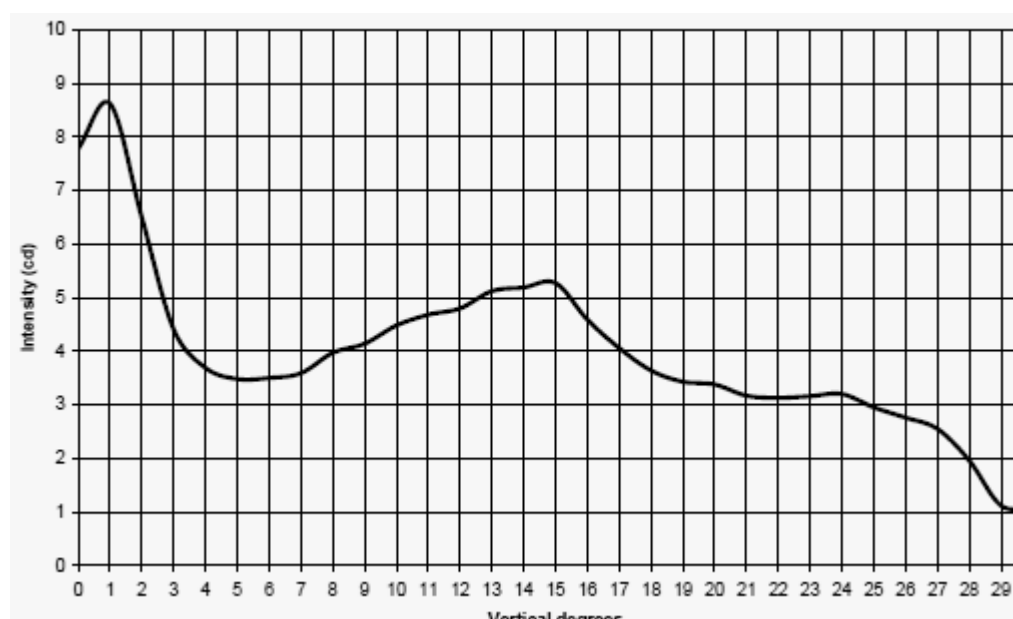
4. INSTALLATION OPTIONS

IDM 5013 can be installed in two different ways:

Description	Image examples
(a) The body tube with frangible point and R2" thread on a base plate which is mounted on a transformer case IDM 5448.	 <p data-bbox="995 645 1331 689">FIGURE 1 – INSTALLATION ON A TRANSFORMER CASE</p>
(b) The body tube with frangible point and R2" thread on a curve tube IDM 5839. Note: Separate transformers case IDM 5448 with case plate IDM 5841 is needed.	 <p data-bbox="922 1037 1404 1059">FIGURE 2 – INSTALLATION ON A CURVE TUBE</p>

5. PHOTOMETRICS

Intensity Distribution



6.

DESIGN

Mechanical construction

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

Optical construction

- Refractor bowl heat resistant pressed glass
- Coloured bowls available
- 45 W / 6,6 A pre-focused halogen lamp, Pk30d base
- Average lifetime 1500 hours at rated current.

Accessories

- Base plate IDM 5838
- Curve tube IDM 5839
- Transformer case IDM 5448/350

7.

ORDER CODES

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

IDM	5013/	45W	-B
5013			
45W			
B=Blue			
Y=Yellow			

Note: FAA-type second. plug included.

Note: On request equipped with longer or shorter body and secondary cables c/w plugs. Length must be specified when ordering.

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

8.

SPECIFICATION

- Compliance with ICAO: Annex 14 Volume I 6th edition July 2013
- Aerodrome Design Manual Part 4 Visual Aids, 4rd edition 2004
- Low intensity omnidirectional elevated light for:
 - Taxiway edge

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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AIR TRAFFIC SOLUTIONS

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GROUP

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