

Taxiway Lighting

IDM 6301

Unidirectional High-Intensity Elevated Light



Compliance with Standards

ICAO: Annex 14 Volume I (Current Edition)

Uses

IDM 6301 is an elevated unidirectional flashing runway guard light for configuration A installations. This fixture has following application areas:

- Runway/ taxiway intersections in configuration A

IDM 6301 2×45W model is used for low-intensity runway guard light application.

IDM 6301 2×45W model is used for road holding position light application.

IDM 6301 2×100W model for high-intensity runway guard light application.

Features & Benefits

- Fulfills 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

Technical characteristics

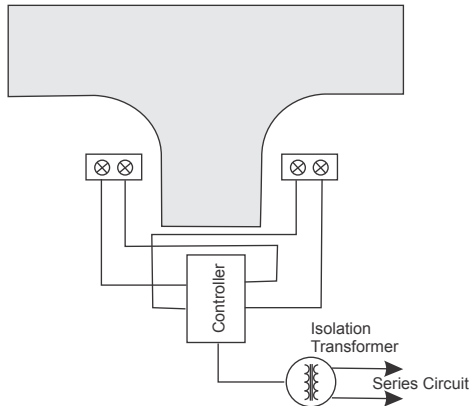
Characteristic	Description
Weight	4.6 kg
Ingression Protection	IP44
Materials	Body AISi12 Primary, aluminium supporting structures Silicone rubber gaskets Anti-acid steel hardware
Surface treatment	Chromatized undercoat Aviation yellow powder painting
Cables and connectors	Plugs: FAA L-823 Style 5 Receptacles: FAA L-823 Style 12 Secondary cable: FAA 150/5345-70
Light sources	2×45W, 6,6A or 2×100W, Pk30d base pre-focused halogen lamp. Average lifetime 1000 hours at rated current.
Connection Series Circuit	6,6A/6,6A
Flashing frequency	52 / min
Lamp Power	45W (> 300cd); 100W (> 3000cd, conf. A)
Light fitting type	2×IDM 6301/2×45W-Y (conf. A); 2×IDM 6301/2×100W-Y (conf. A, HI); IDM 6301/2×45W R/G
Isolation transformer	200W, conf. A and road holding position light; 300W, conf. A, HI
Capsulation size	65×125×185mm
operating temperature range	-35°C to +55°C
Accessories	Runway guard light controller LMS dual 2×2pol Visors Mechanical breakable coupling IDM 5840 Base plate IDM 5838 Transformer case IDM 5448 Isolation transformers 2-core cable with plug KD501

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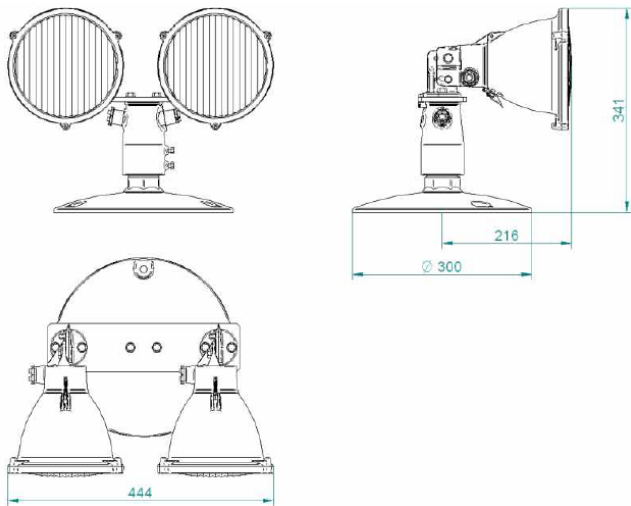
IDM 6301

Installation

The light fixture can be installed on a tripod stand. The configuration is compliant with ICAO Annex 14 Volume I Paragraph 5.3.22 Configuration A:



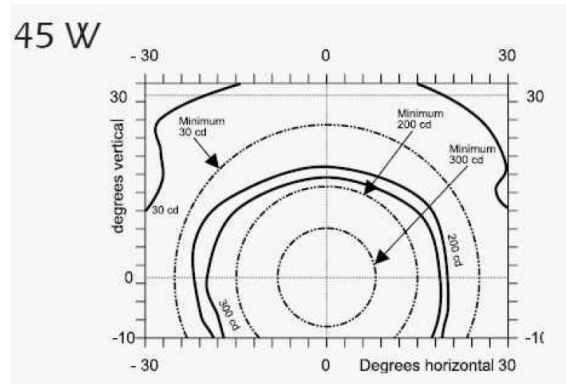
Configuration A: System Diagram



Light dimensions

For more information about the product, including manuals and certifications, please see the Product Center on our website: www.adbsafegate.com.

Photometrics



Intensity Distribution

Design

Mechanical construction

- Body special corrosion resistant aluminium alloy
- Aviation yellow powder coating
- Stainless steel hardware
- Silicone rubber gaskets
- Re-lamping without touching the optics

Optical construction

- Anodized aluminium reflector
- Through coloured front glass - no separate colour filters
- 45W or 100W / 6,6 A pre-focused halogen lamp, Pk30d base
- Average lifetime 1000 hours at rated current.

Accessories

- Runway guard light controller LMS dual 2x2pol
- Visors
- Mechanical breakable coupling IDM 5840
- Base plate IDM 5838
- Transformer case IDM 5448
- Isolation transformers
- 2-core cable with plug KD501

Order Codes

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

Ordering Code	Components	X	X
<i>Product Name</i>	IDM 6301		
<i>Light sources</i>			
45W 100W		2×45W 2×100W	
<i>Color(s)</i>			
Yellow/Yellow Red/Green			Y/Y ¹ R/G ²

Notes

¹ Applicable for runway guard light

² Applicable for road holding position light (OBS! 2×45W light sources only)

Note: FAA-type second. plug included.

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.