

Subject to modifications.



Approach, Threshold, Rwy end  
**IDM 2982**



IDM 2982 with optional protection tube.

### Specification

- ICAO Annex 14 Volume I 4th ed. July 2004 chapters 5.3.4, 5.3.10, 5.3.11.

### Application

- High-intensity unidirectional elevated light for precision approach lighting systems Cat. I, II and III.
- Threshold and wing bar lighting Cat. I, II and III.
- Runway end and stopway lighting.

### Mechanical construction

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

### Optical construction

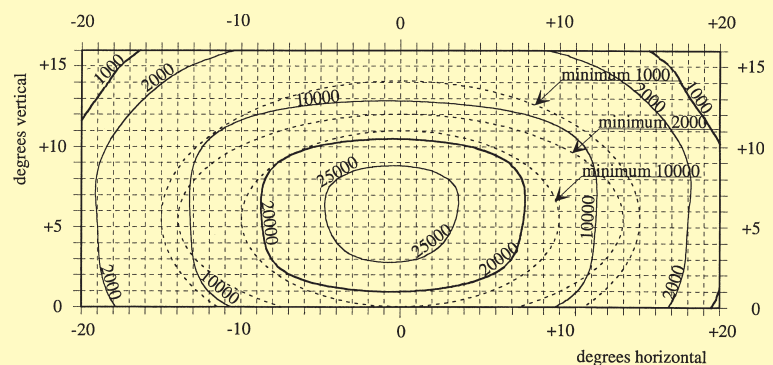
- Anodized aluminium reflector.
- Borosilicate front glass refractor.
- Through-coloured front glass in threshold, runway end and side row.
- 150 / 100 / 65 W / 6,6 A prefocused halogen lamp, Pk30d base.
- Average lifetime 1000 hours at rated current.
- Optionally 200 W lamp version for clear applications.

### Photometric data

Application	Requirements Annex 14, Appendix 2			Measured main beam intensities (kcd)			
	fig.	Imin	Iave	Iave	Imin	Imax	Uniformity ratio
Approach centre line and cross bars 150W, clear	2.1	10	20	21,2	13,3	26,2	1:2,0
Approach side row 100W, red	2.2	2,5	5	6,4	3,7	8,7	1:2,3
Threshold 150W, green	2.3	5	10	11,4	6,4	14,1	1:2,2
Threshold wing bar 150W, green	2.4	5	10	10,4	5,4	14,1	1:2,6
Runway end 65W, red	2.9	1,25	2,5	5,6	4,2	6,4	1:1,5

### Intensity distribution

#### 150 W, white



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## Installation

Alternative methods:

- With a frangible coupling IDM 5840 on base plate IDM 5838 mounted on transformer case IDM 5448 (fig. 1).
- With a frangible coupling IDM 5840 on curve tube IDM 5839 (fig. 2).
- On a safety mast (fig. 3).

In methods 1 and 2 square adapter with cable glands is used. In method 3 mast adapter is used and cable entry is in the mast.

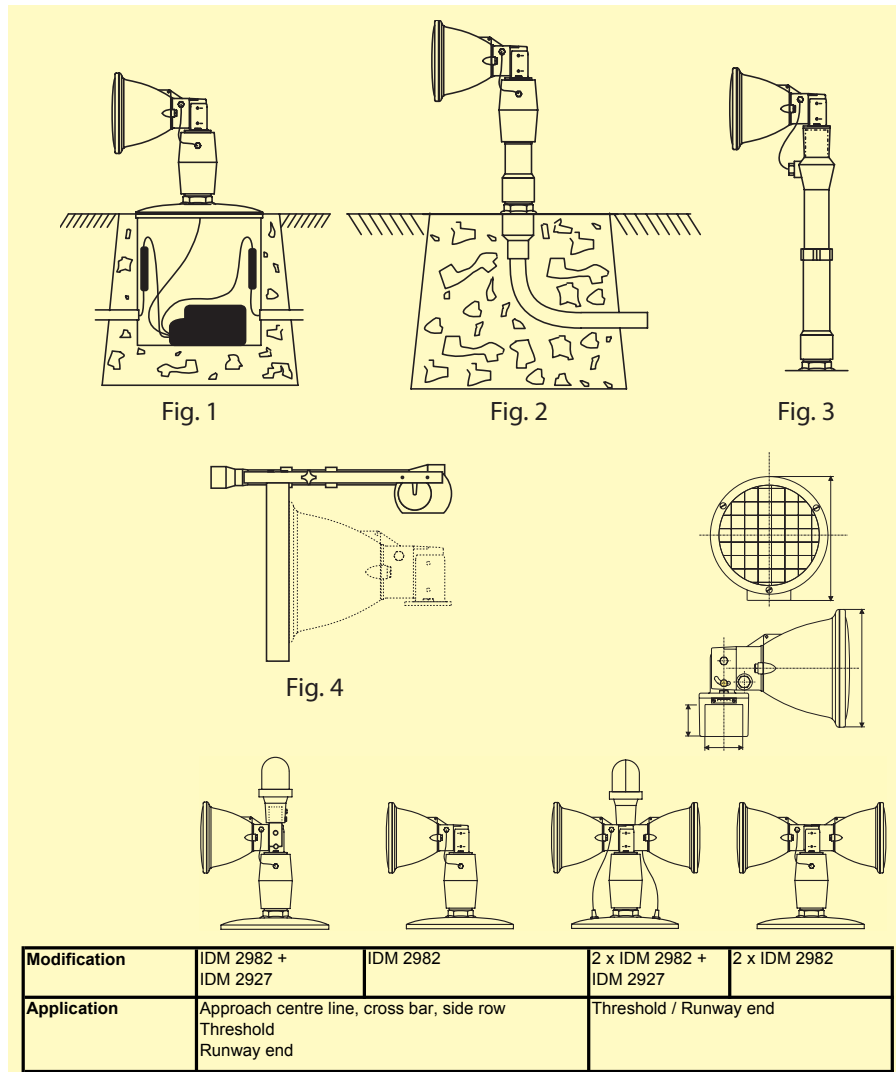
Special alignment device IDM 5842 is used for horizontal and vertical alignment (fig. 4).

## Accessories

- Frangible coupling IDM 5840
- Base plate IDM 5838
- Transformer case IDM 5448
- Curve tube IDM 5839
- Safety masts
- Extension tube
- Protection tube for cable
- 2-core cable with plug KD 501

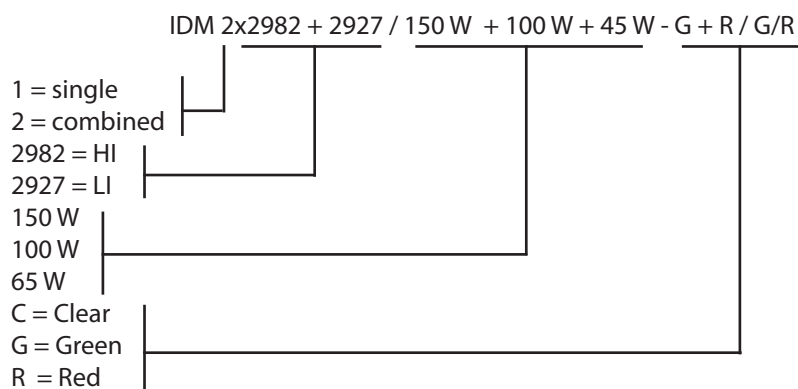
## Advantages

- Relamping without touching the optics.
- Built-in scale for horizontal toe-in angles.
- Versatile modifications.



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## Ordering information



## Packing

Single fitting

**Dimensions**

**Weight** 2,2 kg

1,9 kg

250x200x220 mm  
(THR, RWY end)  
(APCH, side row:  
without cable)