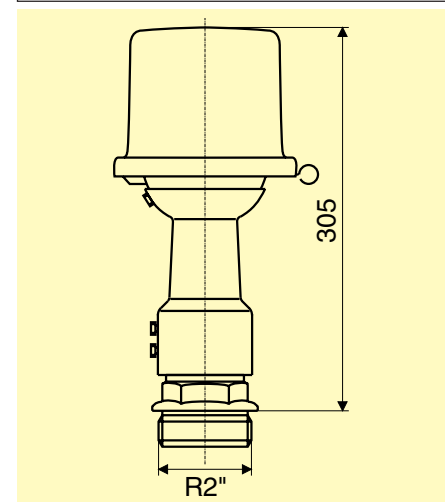


Subject to modifications.



**Runway edge light  
IDM 5848**



## Specification

- ICAO Annex 14 Volume I 4th ed. July 2004 chapter 5.3.9.
- FAA AC 150 / 5345 - 46B.

## Application

- Runway edge bidirectional high-intensity elevated light for categories I, II and III.
- Threshold and end light for non-precision approach runways.

## Mechanical construction

- Body specially corrosion resistant aluminium alloy.
- Aviation yellow powder painting.
- Stainless steel hardware.
- Silicone rubber gaskets.
- Bowl fastening ring UV resistant fibreglass-reinforced plastic.

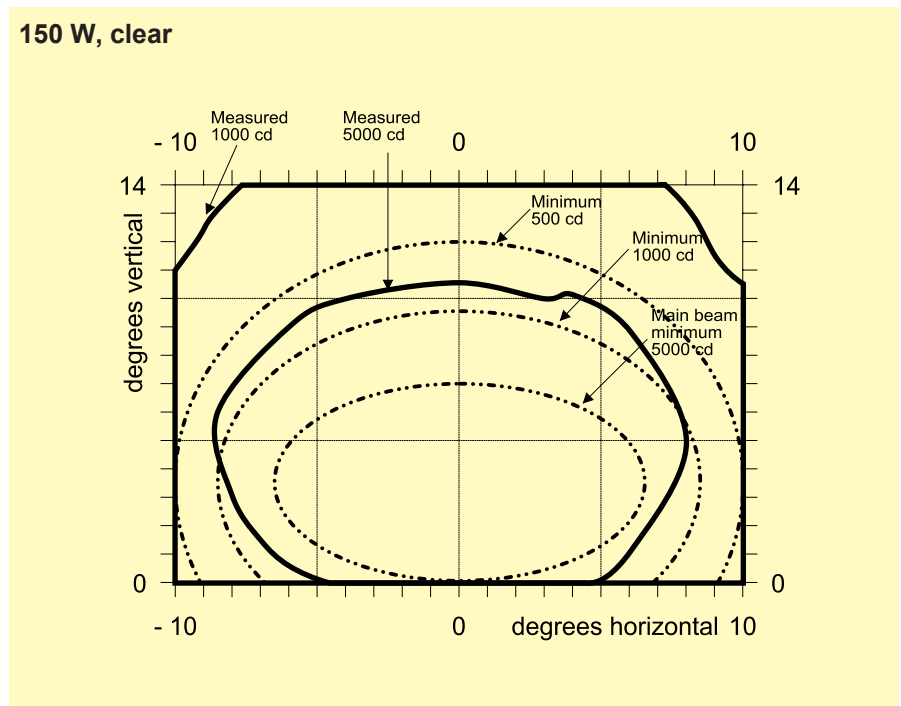
## Optical construction

- Clear outer refractor bowl heat resistant pressed glass.
- Inner refractor bowl(s) heat resistant pressed glass.
- Coloured inner bowls available.
- 150 W / 6,6 A or 200 W / 6,6 A prefocused halogen lamp, Pkx30d or Pk30d base.
- Average lifetime 1000 hours at rated current.

## Photometric data

Application	Requirements Annex 14, Appendix 2			Measured main beam intensities (kcd)			
	fig.	<i>I<sub>min</sub></i>	<i>I<sub>ave</sub></i>	<i>I<sub>ave</sub></i>	<i>I<sub>min</sub></i>	<i>I<sub>max</sub></i>	Uniformity ratio
Runway edge 150W, clear	2.11	5	10	12,1	7,2	15,9	1:2,2
Runway edge 200W, clear	2.10	5	10	12,5	7	17,4	1:2,5

## Intensity distribution



© 2006 IDMAN Oy. All rights reserved.

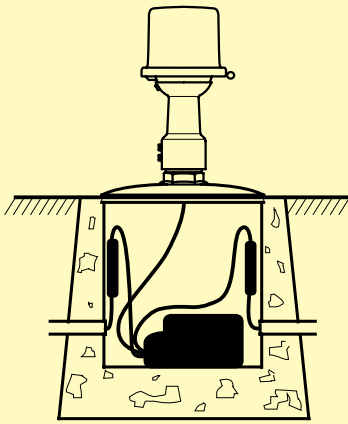


Fig. 1

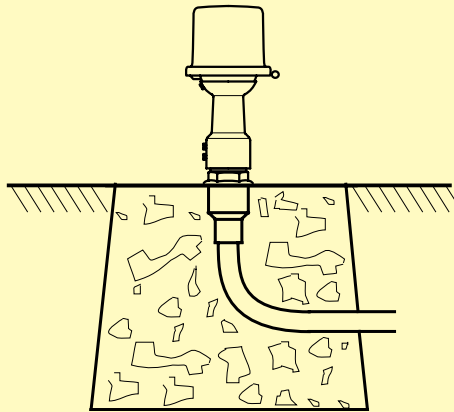


Fig. 2

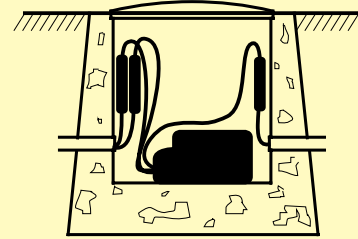


Fig. 3

## Installation

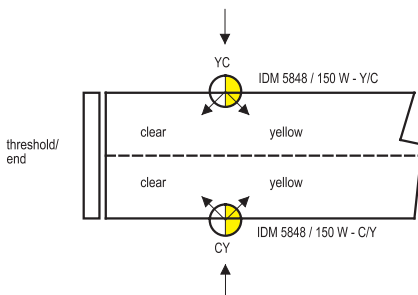
Alternative methods:

- On transformer case IDM 5448 using base plate IDM 5838. Primary cable connections made in the transformer case. Secondary cable connections make an electrically breakable coupling. (fig 1).
- On curve tube IDM 5839. Applicable when transformers located outside the paved shoulder. Additional secondary cable c/w plug and socket required. (fig 2).

In both methods 52 mm key required for fastening the breakable coupling.

- Levelling and aligning by using special alignment device IDM 5847 (fig 3).

## Colour code specification



## Accessories

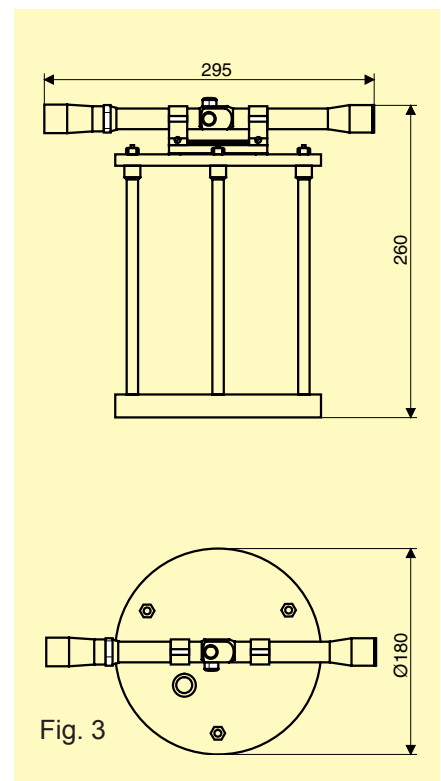
- Base plate IDM 5838.
- Curve tube IDM 5839.
- Transformer case IDM 5448 / 350.
- Extension tube.

## Packing

**Dimensions** 340x150x150 mm  
**Weight** 2,3 kg

## Advantages

- Relamping without touching the optics.
- No tools needed for relamping.
- Original IDMAN design.



## Ordering information

IDM 5848 / 150 W - CY

150 W |  
 200 W |  
 C = Clear |  
 G = Green |  
 R = Red |  
 Y = Yellow |

- Mechanically breakable coupling and FAA-type secondary plug included.
- On request equipped with longer secondary cables c/w plugs. Length must be specified when ordering.