

## RUNWAY

Inset Light – High Intensity – Uni- and Bidirectional

IL 230

12''



IL 232-RCL

IL 237-TDZ

### IL 232-RCL

Runway Centreline  
bidirectional

### IL 233-RCL

Runway Centreline  
bidirectional, dual lamp type,  
directionally switchable

### IL 237-RCL/TDZ

Runway Centreline/  
Touchdown Zone  
unidirectional

### Features

- low energy consumption
- very sturdy aluminium housings of long term tightness (IP68)
- housing substructures 12''
- elevation above ground 9,5 mm
- optimal prism protection
- lamp system can be chosen or adapted easily:
  - prefocussed halogen lamp, socket PK30d, rating 6.6 A, life expectancy 1'000 hrs (at rated current), operation average > 5'000 hrs
  - halogen cold mirror reflector lamps of 48W or 105W, life expectancy 1'500 hrs at rated current
- dichroic colour filters
- no optical adjustment needed after maintenance operations
- cable length 30 cm, plug vulcanised

### General

The lights of the series IL 230 meet the guidelines of FAA and ICAO Annex 14 as well as Part 4 of the Aerodrome Design Manuals and are in compliance with IEC 61827. They are suitable for runway systems at an operating level of category I to III as lights for centrelines and touchdown-zones.

## Light characteristics and performance

The optical performance complies with the standards and recommended practices laid down by ICAO for precision approach runways intended for use under instruments approach procedures by aircraft operating under category I through to III.

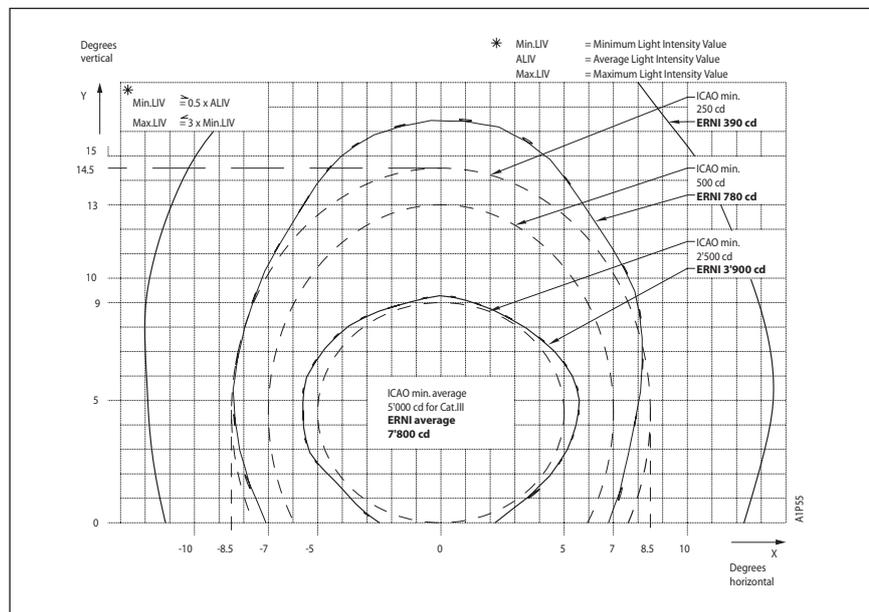
### Ordering color code and light transmittance

□	w = white	100%
■	g = green	20%
■	y = yellow	50%
■	r = red	20%

### Centreline Lights IL 232/233

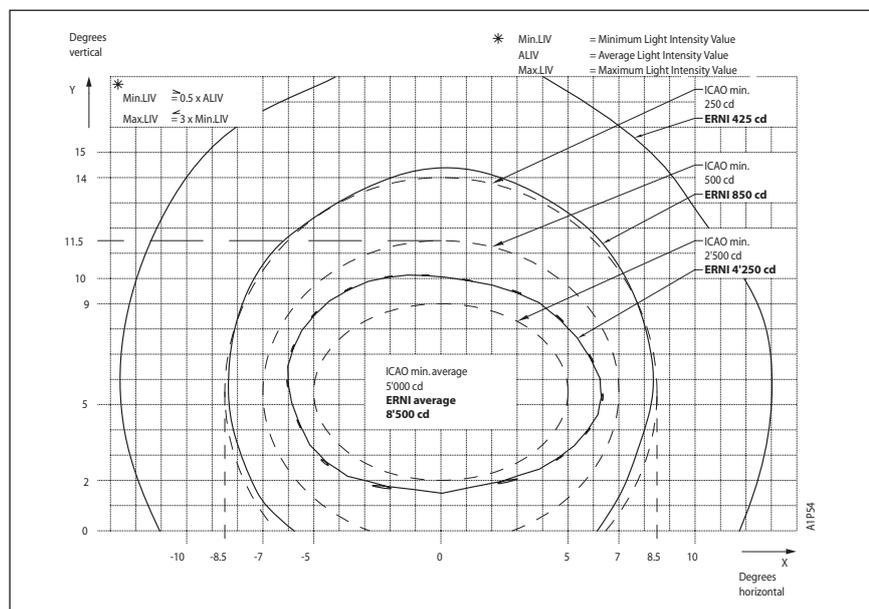
For runways, values for white light, one standard halogen lamp 100W/6.6A for both light beam directions; light performance complying with Annex 14 Volume 1 light spacing 30 m (Fig. 2.6) as well as 15 m (Fig. 2.7). For lights with two halogen lamps (IL 233) the average value is about 10% higher. Reflector lamps of 48W for each beam direction succeed the expected light values.

### Isocandela diagram



### Touchdown-zone Lights IL 237

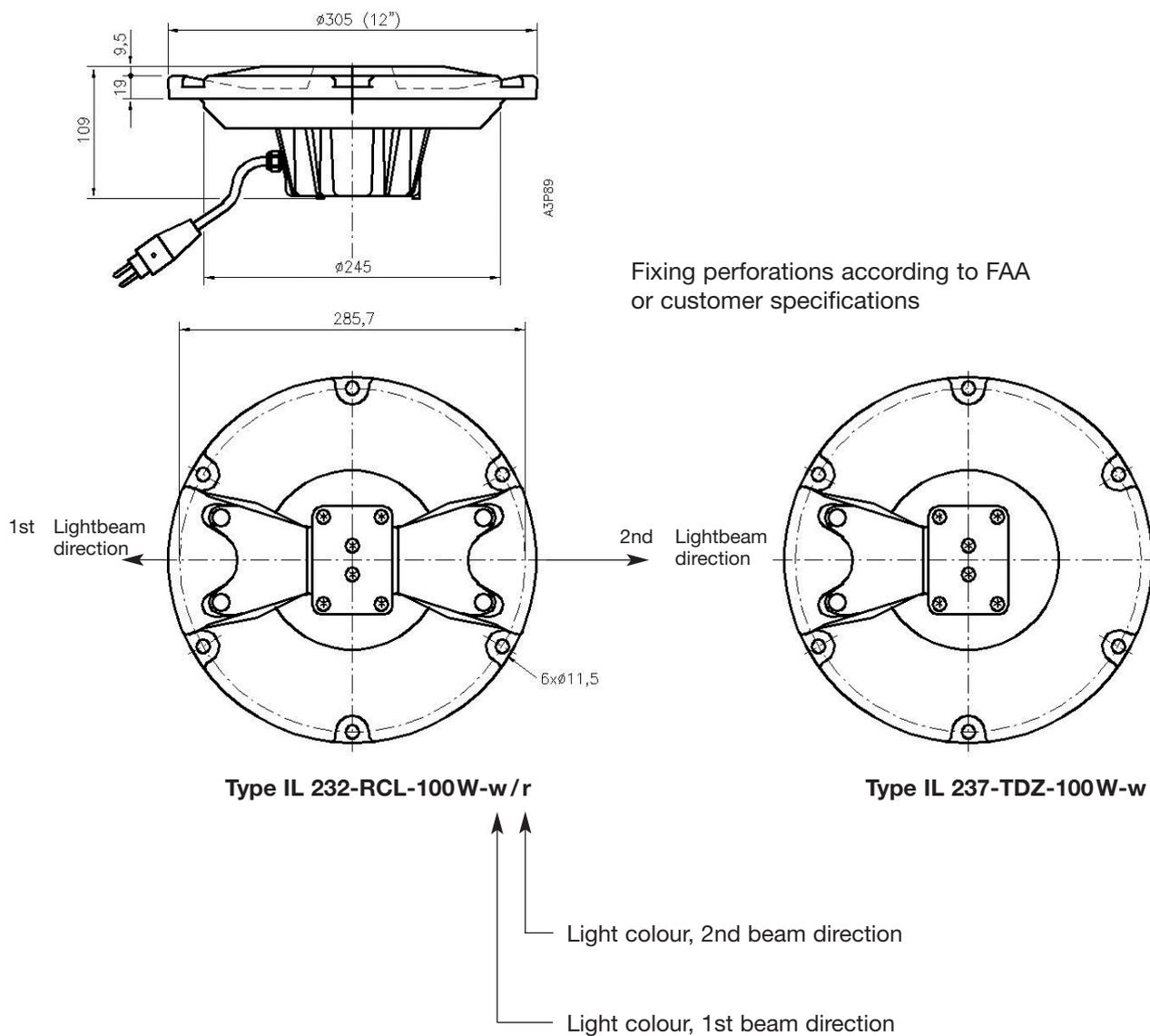
For runways, values for white light, one halogen lamp 100W/6.6A; light performance complying with Annex 14 Volume 1 (Fig. 2.5). Reflector lamps of 48W spend an average value of 5'500 cd.



## Dimensions/Weights

The lamp housings of the series IL 230 fit into substructures according to FAA AC 150/5345-42C, type L-868B (12").

Article	Weight	Packing (cardboard box)
IL 232	6,4 kg	306 x 306 x 110 mm
IL 233	7,2 kg	306 x 306 x 110 mm
IL 237	6,7 kg	306 x 306 x 110 mm



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## Options

- 150W PK30d halogen lamps
- directionally switchable (type IL 233),  
also with 2 x 48W reflector lamp per beam direction
- drain holes in the light channel
- light fixing perforations according to customer requests
- customized dimensions and other options upon request

## Accessories

Accessories must be ordered separately. For details see also section «mounting systems». Substructures and series transformers to be ordered separately.

Subject to change

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