

RUNWAY

Inset Light – High Intensity – Bidirectional

IL 250

12"



IL 252-REH

Runway Edge
bidirectional

IL 253-REH

Runway Edge
bidirectionally switchable

Features

- low energy consumption
- very sturdy aluminium housings of long term tightness (IP68)
- housing 12" – 13 mm above ground for bidirectional lights
- good winter-maintenance relation through little elevation and optimal glass protection
- prefocussed halogen lamp, socket PK30d, rating 6.6 A, life expectancy 5'000 hrs using mixed intensity steps (at rated current: 1'000 hrs nom.)
- dichroic colour filters
- no optical adjustments needed after maintenance operations
- vulcanised plug, cable length 30 cm

General

The lights of the series IL 250 meet the guidelines of FAA and ICAO Annex 14 as well as Part 4 of the Aerodrome Design Manual and are in compliance with IEC 61827. They are suitable as runway edge lights for category I to III operating level.

Light characteristics and performance

Ordering colour code and light transmittance

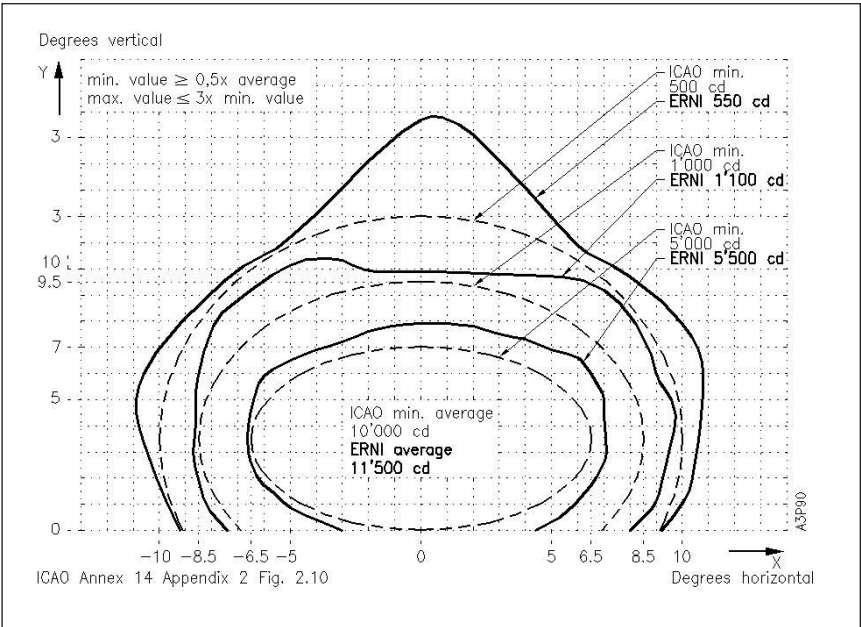
The interference color filter will be used for the lights IL 252/253. Out-let grade against the white light is:

- w = white 100%
- y = yellow 60–70%
- r = red 20–25%

Light distribution/ nominal value

The typical nominal value is valid for the white light.

Isocandela diagram



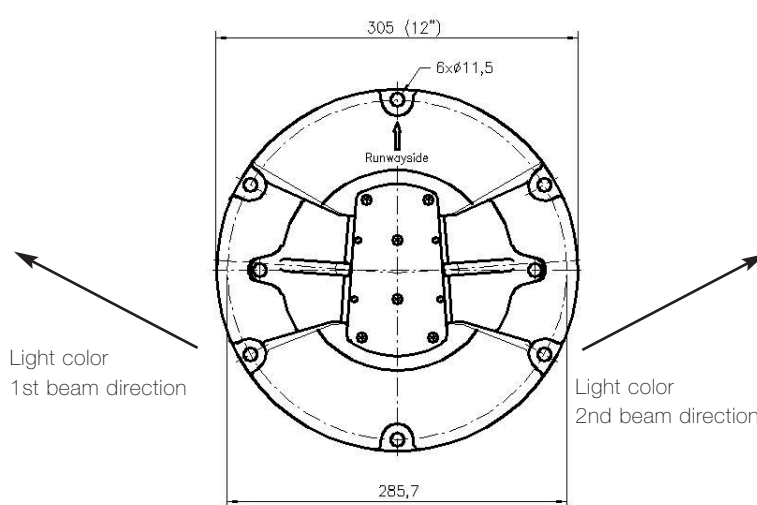
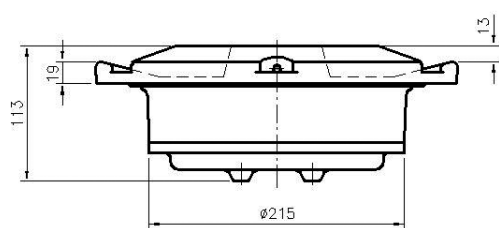
Main beam light distribution according to ICAO Annex 14

Light type/ Application area	Halogen lamps PK30d, 6.6A nom. 1'000 hrs	Average light intensity for 45 m, 3,5° Toe-in	Average light intensity for 60 m, 4,5° Toe-in
IL 252-REH Runway Edge	2 x 100W	ICAO: ≥ 10'000 cd Fig. 2.9 ERNI 12'000 cd	ICAO: ≥ 10'000 cd Fig. 2.10 ERNI 11'500 cd
IL 253-REH Runway Edge	2 x 100W	ICAO: ≥ 10'000 cd Fig. 2.9 ERNI 12'000 cd	ICAO: ≥ 10'000 cd Fig. 2.10 ERNI 11'500 cd

Dimensions/Weights

The lamp housings of the series IL 252 and IL 253 fit into sub-structures according to FAA AC 150/5345-42C, size L-868 B (12").

Article	Weight	Packing (cardboard box)
IL 252	7,8 kg	306 x 306 x 114 mm
IL 253	7,8 kg	306 x 306 x 114 mm



Fixing perforations according to FAA or customer specifications

Type IL 252-REH 2 x 100W-w/y

1. lightbeam colour
2. lightbeam colour

Special features

The lights ordered under IL 253 are wired separately per light beam and are equipped with either two double-pole or one four-pole connecting cables.

Other types, e.g. white/red for use with displaced thresholds or unidirectional red for stopway-edges upon request.

Serial lamp wiring of bidirectional non switchable lights is standard. Different concept should be advised prior purchase.

Options

- 100W or 150W PK30d halogen lamps for IL 253
- directionally switchable (type IL 253)
- drain holes in the light channel
- lamp fixing perforations according to customers request
- 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