

RUNWAY

Inset Light – High Intensity – Uni- and Bidirectional

IL 270

8"



IL 272-RCL

IL 277-TDZ

IL 272-RCL

Runway Centreline
bidirectional

IL 273-RCL

Runway Centreline
bidirectional, dual lamp type,
directionally switchable

IL 277-RCL/TDZ

Runway Centreline/
Touchdown Zone
unidirectional

Features

- low energy consumption
- very sturdy aluminium housings of long term tightness (IP68)
- housing substructures 8"
- elevation above ground 12 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
 - 48W or 150 W cold mirror reflector lamp, 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 270 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 to III.

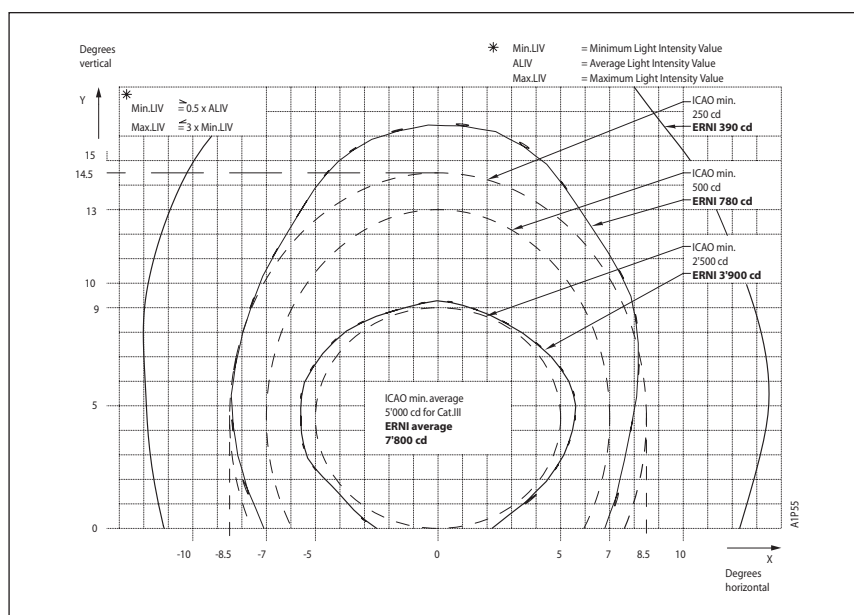
Ordering colour code and light transmittance

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

Centreline Lights IL 272/273

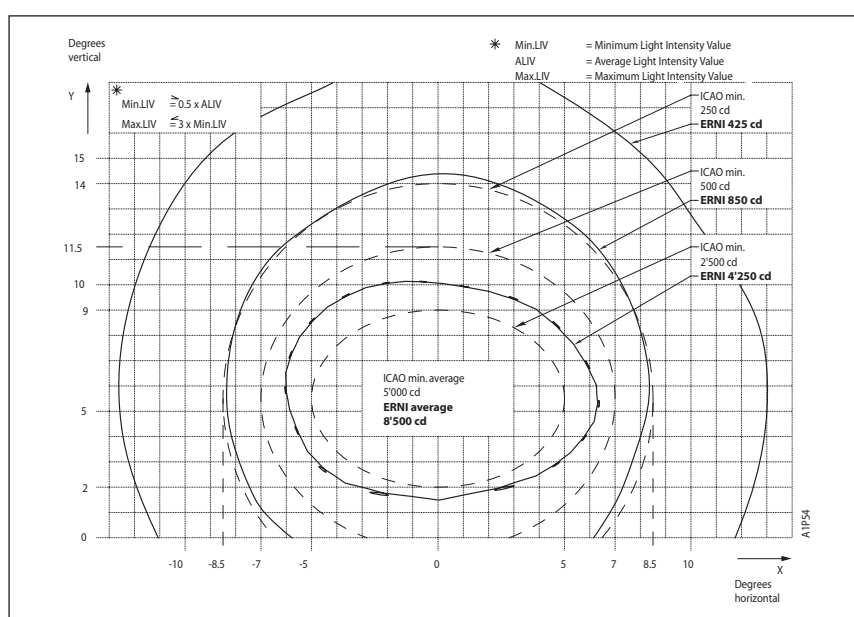
For runways, values for white light, one standard halogen lamp 100W/6.6A for both light beam directions; light performance complying with Annex 14 Volume 1 light spacing 30 m (Fig. 2.6) as well as 15 m (Fig. 2.7). For lights with two halogen lamps (IL 273) the average value is about 10% higher. Reflector lamps of 48W for each beam direction succeed the expected light values.

Isocandela diagram



Touchdown-zone Lights IL 277

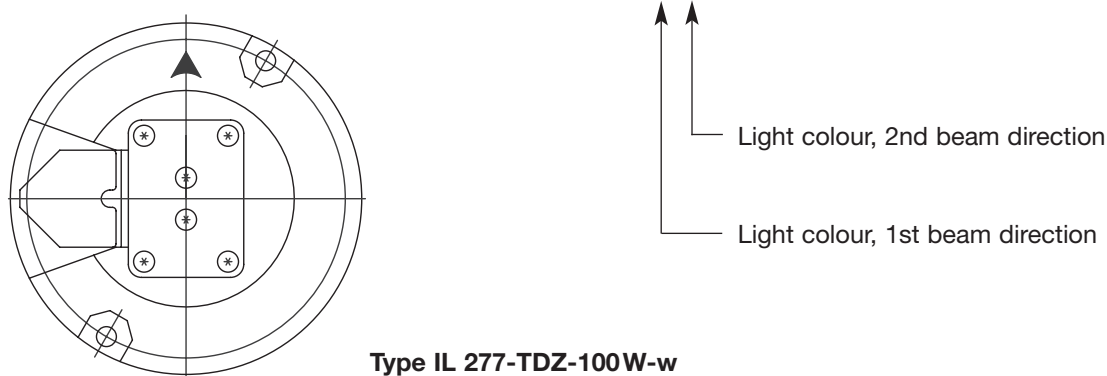
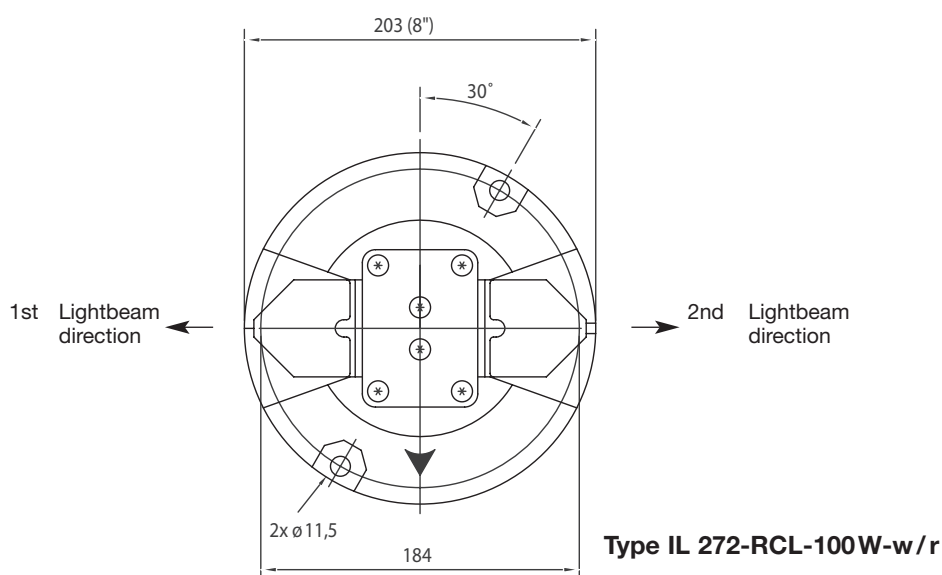
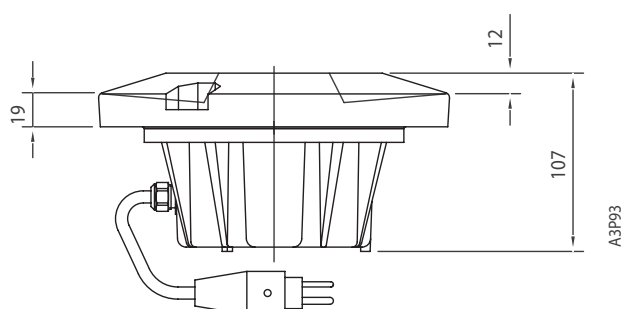
For runways, values for white light, one halogen lamp 100W/6.6A; light performance complying with Annex 14 Volume 1 (Fig. 2.5). Reflector lamps of 48W spend an average value of 5'500 cd.



Dimensions/Weights

The lamp housing of the series IL 270 fit into 8" substructures or by using a 12"/8" adapter ring in any substructure according to FAA AC 150/5345-42C, type L-868B (12").

Article	Weight	Packing (cardboard box)
IL 272	2,5 kg	203 x 203 x 107 mm
IL 273	2,5 kg	203 x 203 x 107 mm
IL 277	2,6 kg	203 x 203 x 107 mm



Options

- directionally switchable (type IL 273), also with 48W reflector lamp per beam direction
- drain holes in the light channel
- light fixing perforations according to customer requests
- four screw fixation
- 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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