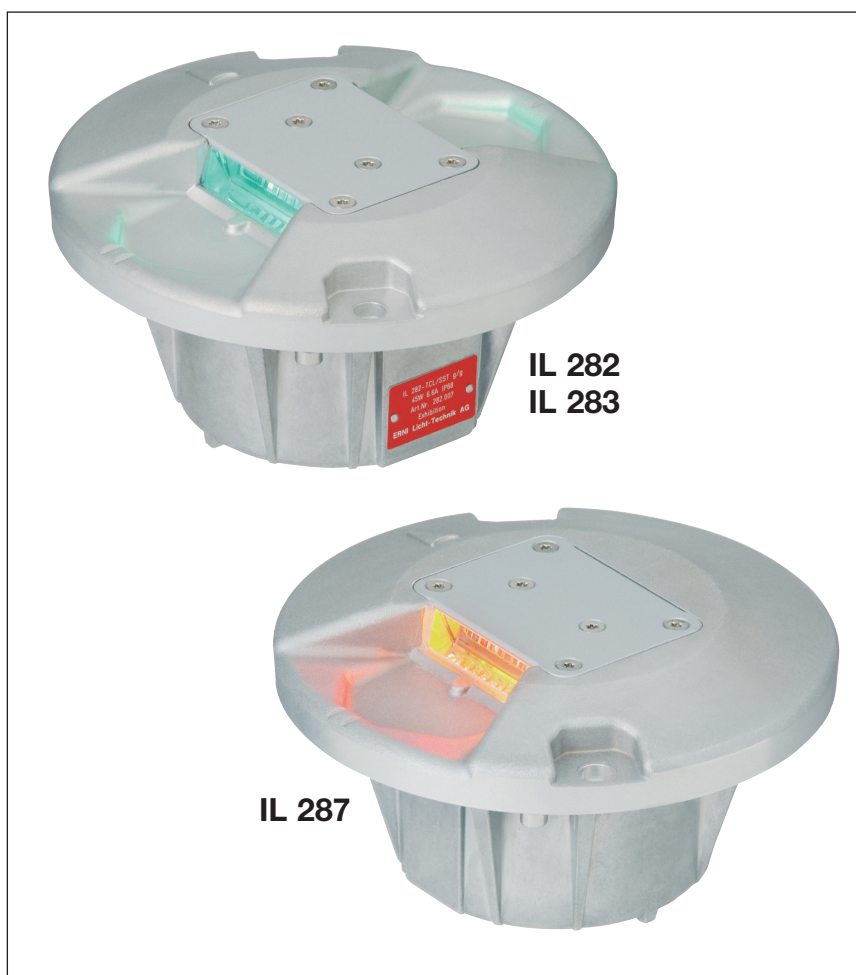


TAXIWAY/APRON

Inset Light – High Intensity – Uni- and Bidirectional

IL 280

8"



IL 282
IL 283

IL 287

IL 282-TCL

Taxiway Centreline
bidirectional

IL 283-TCL

Taxiway Centreline
bidirectional, dual lamp type
directionally switchable

IL 287-TCL

Taxiway Centreline
unidirectional

IL 287-TSB

Taxiway Stopbar
unidirectional

Features

- main applications:
 - TCL taxiway centrelines
 - TSB stop bars
 - TCB clearance bars
 - RXC rapid exit centrelines
- low energy consumption
- very sturdy aluminium housings of long term tightness (IP68)
- housing substructures 8"
- elevation above ground 10 mm
- optimal prism protection
- lamp system can be chosen or adapted easily:
 - prefocussed halogen lamp, socket PK30d, rating 6.6A, life expectancy 5'000 hrs using mixed intensity steps (at rated current: 1'000 hrs nom.)
 - halogen cold mirror reflector lamps of 48W life expectancy 1'500 hrs at rated power
- dichroic colour filters
- no optical adjustments needed after maintenance operations
- vulcanised plug, cable length 30 cm

General

The lights of the series IL 280 meet the guidelines of ICAO Annex 14 as well as Part 4 of the Aerodrome Design Manuals and are in compliance with IEC 61827. They are suitable for taxiway systems at an aircraft operating level of category I to III as lights for rapid exit- and taxiway centrelines, stop- and clearance bars and aprons.

Light characteristics and performance

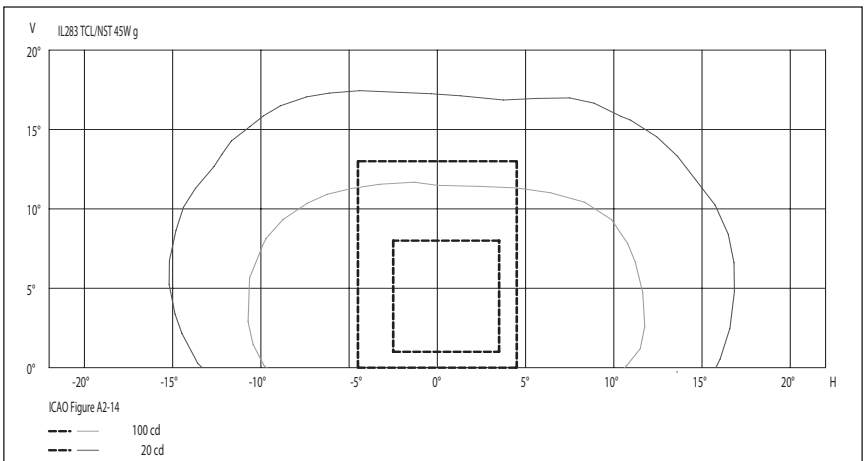
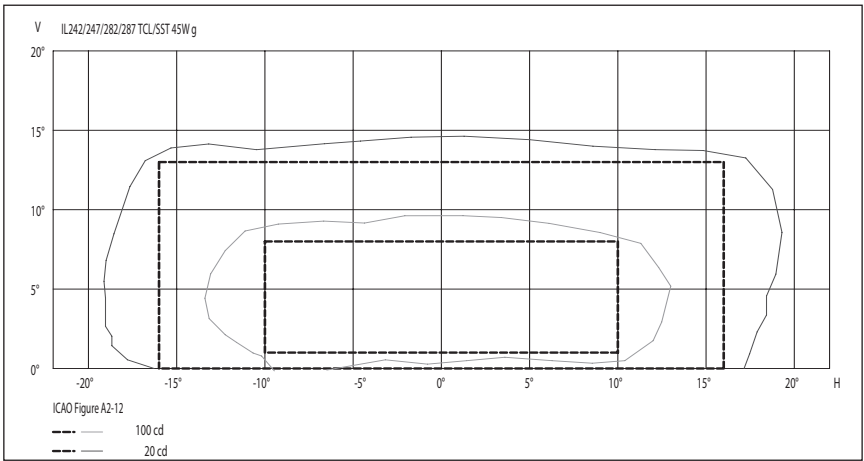
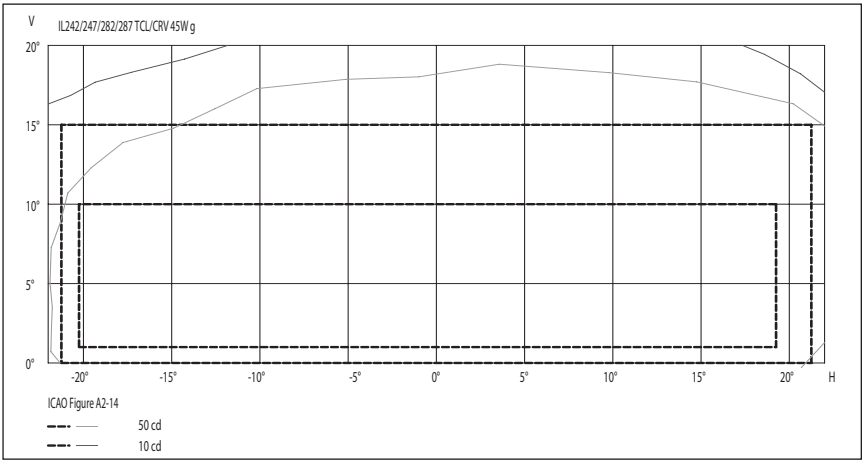
The typical nominal values apply to single lamp lights with aluminium reflectors and lamps with socket PK30d. For dual lamp lights (IL 283) and lamp socket PK30d the tabular values are about 15% higher, the 45W tabular values are about 150% higher

when using 48W reflector lamps for each beam direction. The light distribution is slightly more broad-beamed with reflector lamps. For all lamp systems intensity variations are smaller than 3:1 in the main beam.

Ordering colour code and light transmittance

□	w = white	100 %
■	g = green	45%
■	y = yellow	55%
■	r = red	25%

Isocandela diagram



Characteristic for CRV-Optic

Table of ERNI average PK30d halogen lamps			
cd	red	green	yellow
45 W	60	110	130
65 W	110	200	240
100 W	180	350	420

Characteristic for SST-Optic

Table of ERNI average PK30d halogen lamps			
cd	red	green	yellow
45 W	120	220	270
65 W	230	410	500
100 W	430	800	970

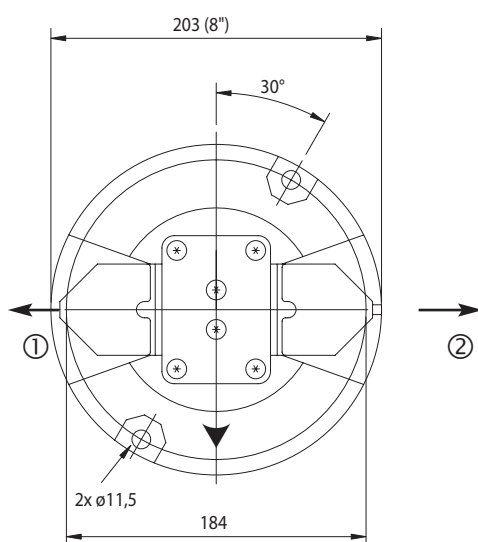
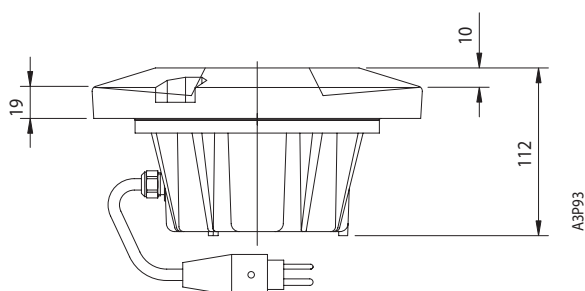
Characteristic for NST-Optic

Table of ERNI average PK30d halogen lamps			
cd	red	green	yellow
45 W	270	500	600
65 W	500	900	1'100
100 W	810	1'530	1'850

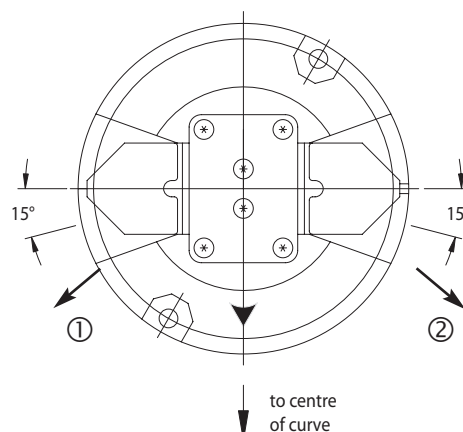
Dimensions/Weights

The lamp housings of the series IL 280 fit into 8" substructures or substructures according to FAA AC 150/5345-42C, size L-868B (8").

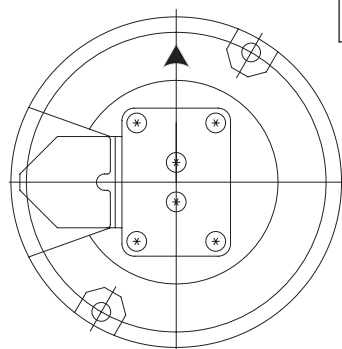
Article	Weight	Packing (cardboard box)
IL 282	2,5 kg	203 x 203 x 107 mm
IL 283	2,5 kg	203 x 203 x 107 mm
IL 287	2,6 kg	203 x 203 x 107 mm



Type IL 282-TCL/SST-45 W-g/g



Type IL 282-TCL/CRV-45 W-g/g



Type IL 287-TCL/SST-45 W-g
for straight sections

Type IL 287-TSB/SST-65 W-r
for stop bars

② 2nd lightbeam colour

① 1st lightbeam colour

left curve

right curve

Options

- 45W, 65W or 100W PK30d halogen lamps
- optics for NST, SST and CRV
- colour filters mass-dyed
- directionally switchable (type IL 283) either 2 x 45W PK30d halogen lamps or 2 x 48W cold mirror reflector lamps
- drain holes in the light channel
- electronic cut-out device
- lamp fixing perforations according to customers request
- 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