

Threshold and Wing Bar – THR
Runway End – RWE



IL 860D LED Inset Light 12"

IL 863D

Bi-directional / Directionally switchable

IL 868D

Uni-directional

Colours

Green – Red

Application

Inset LED light used for runway threshold, wingbar and runway end up to CAT III operations.

Compliance

ICAO Annex 14, Vol. I
IEC TS 61827
FAA EB 67D

Features

- Robust aluminum drop-forged housing
- Watertight compression proof silicon putty (Protection Class IP 68)
- Smooth flat design – FAA Style 4 (6.35 mm)
- Low outlet light slope of 25°
- Large light outlet area > 2 x 1'200 mm²
- Interchangeable product concept
- Same lens for all variants
- Secure fail-open function (external reset)
- Remote brightness parameterisation
- Auto current select (2.2/6.6 A)
- Integrated power factor correction (PFC)
- Power factor > 0.9
- Wattage range from 22 to 100 W
- Nominal lifetime > 50'000 hours
- Temperature range -40° to +85°C

Modular Design



- ← **Upper Part Assembly**
 - Aluminum drop forged cover
 - Lens with parallel surface constraint
 - Compression proof silicon putty

- ← **Light-Engine**
 - Uniform aluminum bracket
 - LED-PCB
 - Lens row
 - Reflector

- ← **Lower Part Assembly**
 - Aluminum cast housing
 - Embedded resin sealed electronic
 - Flexible cable groups

Replacement parts

- Upper part assembly
- Light-Engine
- Lower part assembly (without cables)
- Cable with plug
- O-Ring and Screw Kit (for 20 fixtures)

* All parts come with corresponding seals, spacers and screws.

Packing Data

Article	Weight	Dimensions
IL 860D	6.9 kg	310 x 310 x 130 mm

Photometric Data & Power Consumption

ERNI	Beam shape	Colour	Performance (Typical Data)				
			Power consumption per beam 6.6 A / 2.2 A	Main Beam		Secondary Beam	Third Beam
				Average Intensity	Minimum Intensity	Minimum Intensity	Minimum Intensity
IL 860D	THR	Green	75 W / 72 W	11'000 cd	6'000 cd	2'500 cd	1'000 cd
	RWE	Red	25 W / 22 W	2'600 cd	1'750 cd	750 cd	400 cd

* Detailed ISO/cd distribution chart is available upon request.

Ordering Code

IL86xD - xxx - xxx - x - fo - x / x

Bi-directional (switchable) = 3
Uni-directional = 7

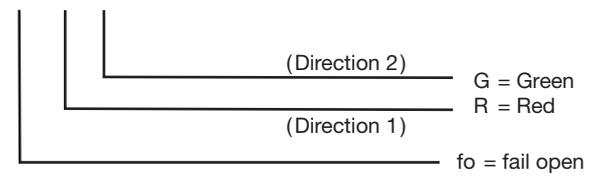
LED light source = D

Threshold/Runway end = THR/RWE
Threshold/Threshold wingbar = THR
Runway end = RWE

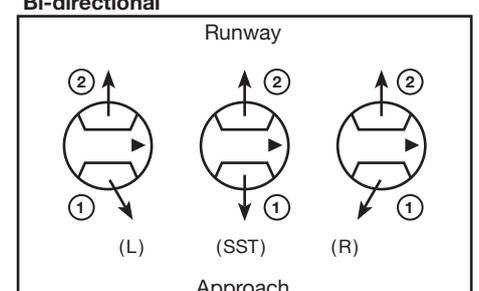
Straight Section = “ “ or SST
Toe-in Right = R
Toe-in Left = L

CCR Operation 2.2/6.6A *
2.2A = 1.0/2.2A
6.6A = 2.8/6.6A

* 1.8 /6.6A for military use.

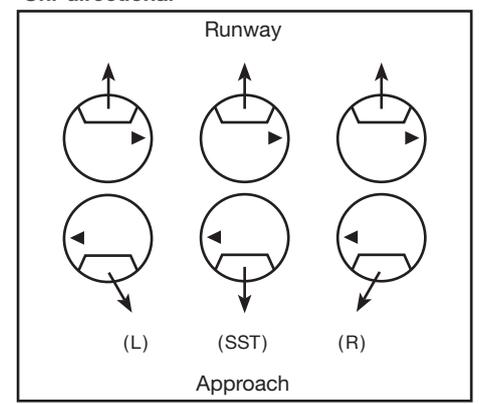


Bi-directional



Direction 1: ① Direction 2: ②

Uni-directional



Part Number	Order Code
863.003	IL 863D – THR/RWE - R/SST – 2.2/6.6A - fo - g/r
863.004	IL 863D – THR/RWE - L/SST – 2.2/6.6A - fo - g/r
863.104	IL 863D – THR/RWE – 2.2/6.6A - fo - g/r
868.005	IL 867D – RWE – 2.2/6.6A - fo - r
868.065	IL 867D – THR – 2.2/6.6A - fo - g
868.066	IL 867D – THR - L – 2.2/6.6A - fo - g
868.067	IL 867D – THR - R – 2.2/6.6A - fo - g

Installation

a) 12" Shallow base, bottom or side entry. (Fig.1)

b) 12" Deep base can with transformer installed. (Fig.2)

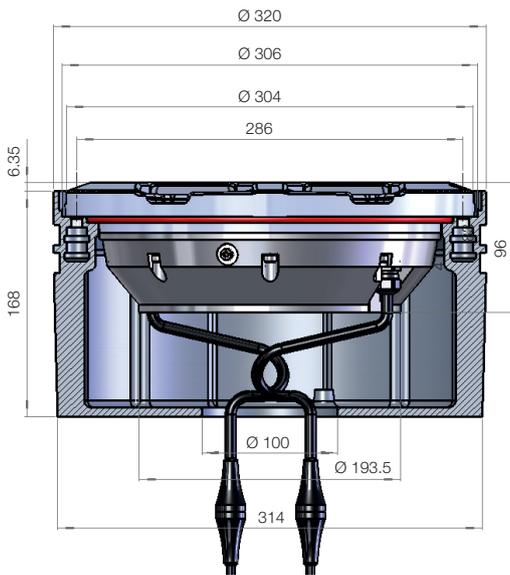


Figure 1

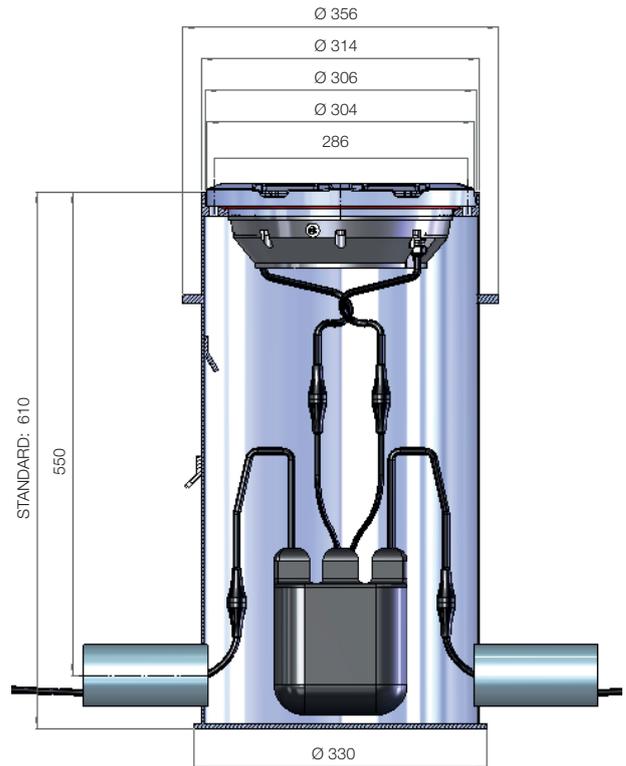


Figure 2

Accessories

- O-Ring and Screw Kit (set for 20 fixtures)
- 12" Shallow base with bottom or side entry
- 12" Deep base can
- 12"/8" Snow plow ring
- Individual lamp control unit (SCROLL)
- Isolation transformers:
 - according to FAA AC 150/5345-47
 - available power ranges from 15 to 523W

* All parts come with corresponding seals, spacers and screws.

Note: Tightening torque range for all screws 25-30 Nm.

Electrical Data

2.2/6.6A with appropriate isolating transformer.

* We reserve the right to change technical data, prices and details at any point in time. Errors may occur.