

RTIL | Runway threshold identification light - Airsafe



COMPLIANCE:

- ICAO Annex. 14 Vol.I
- FAA AC 150/5345-51
- FAA E-2628B
- STANAG: 3316
- EASA: CS-ADR-DNS



BOARDING TIME

BOARDING PASS

GATE CLOSSES 30 MINUTES BEFORE DEPARTURE

BOARDING PASS

NAME OF PASSANGER

FROM:

TO:

DATE FLIGHT
 GAES2020

GATE SEAT
23 21B

Uses

Runway threshold identification lights for airports CAT I, II & III, according to ICAO Annex 14.

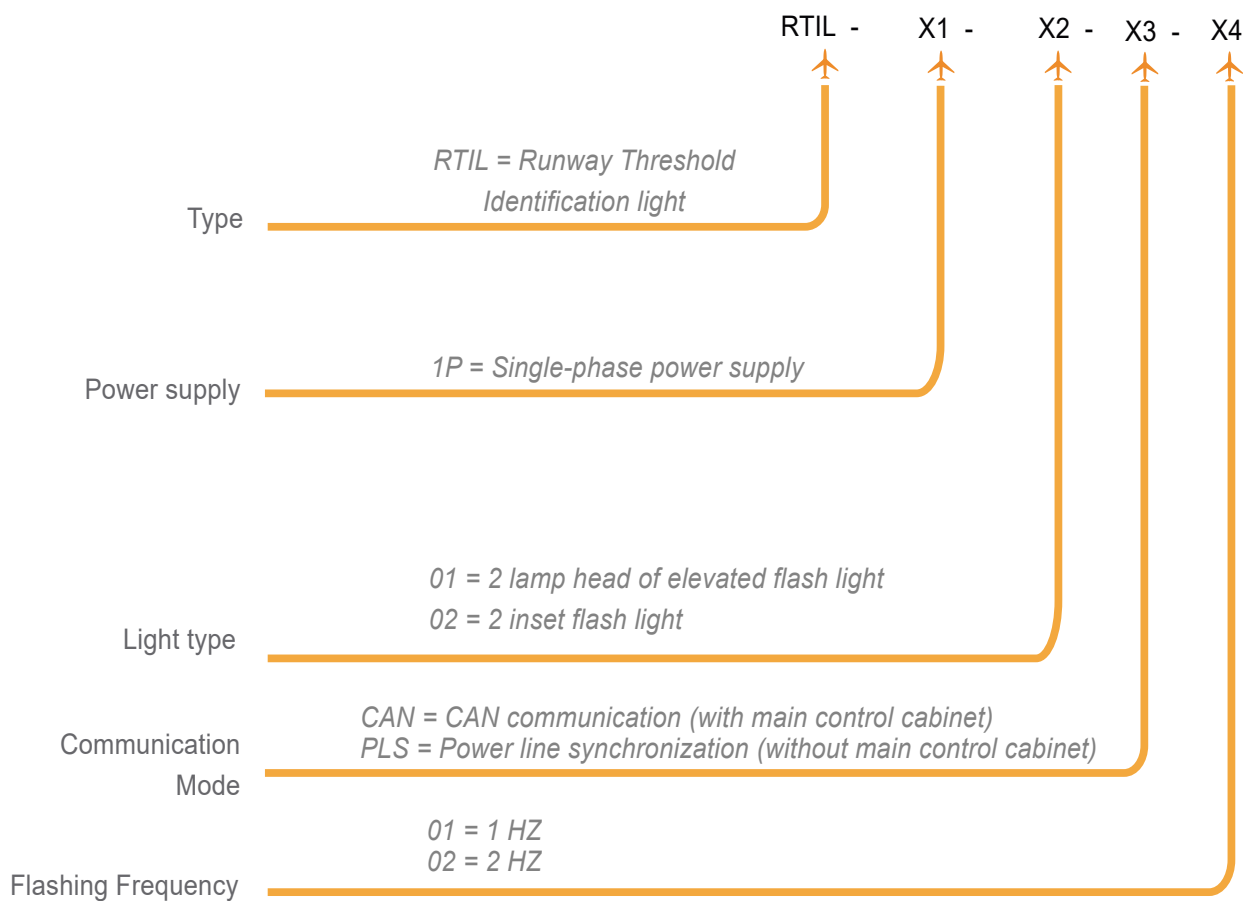
Features

- Light distribution and chromacity conforming to the specifications contained in FAA E-2628.
- Low-Voltage flashtubes ensures low operation voltage of the whole system.
- Self-alignment optical component without need of recalibration when replacing bulb as well as optical components.
- Elevated type and in-pavement type.
- The main body is made of aluminum alloy with anti-corrosion surface, all fasteners are made of stainless steel, suitable for harsh environment application.
- The prism of in-pavement type is made of tempered glass material, which can withstand wind and sand erosion.
- Upper cover of in-pavement type featured by equal-strength design and forging craft, wich has premium mechanical and carrying capacity and shock resistance ability.
- Elevated type achieves IP65-grade protected from total dust ingress and in-pavement type, IP68-grade, that can withstand inner pressure of up to 138 kpa or water pressure generated from aircrafts impact on the optical window.
- High-precision machining to ensure all dimensional quality and precision.
- Each lighting fixture comes with auxiliar unit control cabinet for powering the optical drive.
- Both main control cabinet and unit control cabinet have self-contained CPUs.
- An eventual failure will not result in breakdown of system, ensuring reliable system operation.
- The system has detection functions for bulb lifetime, flash skips (misfiring), on-line faults, etc.
- Main control cabinet equipped with LCD display.
- Monitoring system achieves remote control and uploads of operation status.
- Circuits, power and communication cables are equipped with lightning protection, conforming FAA requirements.
- The elevated fixture can be connected to both one or two-inch frangible tube, which ensures convenient and secure installation.

Specifications

- Power: 230V-50Hz / 400V-50Hz
- Colors: White
- Consumption: Elevated unit 160VA / Inset unit 260VA
- Index Protection: IP65 (elevated units) y IP68 (in-pavement units).

Order Code





Installation

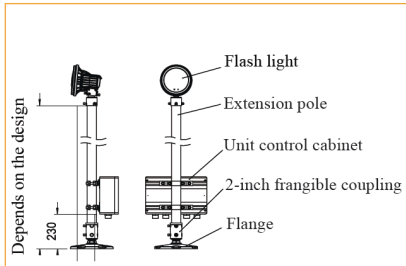


Figure 1.1

Elevated flash light with upright pole installation Unit control cabinet with backpack type installation

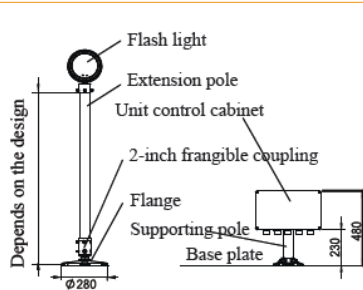


Figure 1.2

Elevated flash light with upright pole installation Unit control cabinet with supporting pole installation

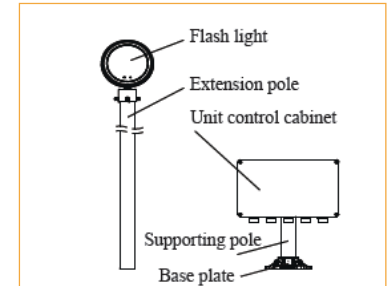


Figure 1.3

Elevated flash light with elevated mast installation Unit control cabinet with supporting pole installation

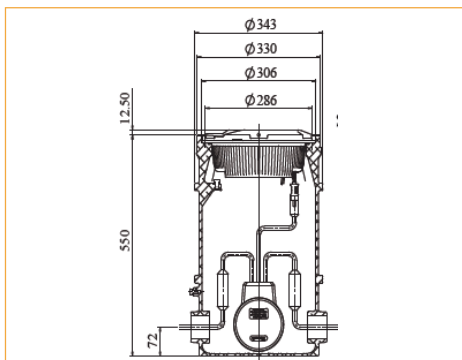


Figure 2.1

Inset flash light with 12" deep base installation Unit control cabinet with supporting pole installation

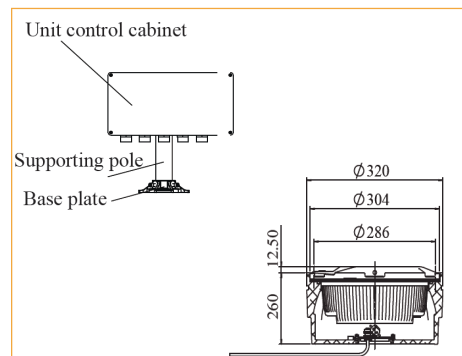


Figure 2.2

Inset flash light with 12" shallow base installation Unit control cabinet with supporting pole installation

Photometry

Elevated flash light

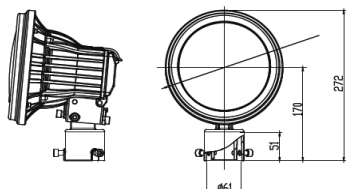
Unit power	160VA
Beam angle	Horizontal $\pm 15^\circ$, Verticle 0-10°
Light intensity	I class 2% (150 - 450cd)
	II class 10% (750 - 2250cd)
	III class 100% (7500 - 225000cd)
Flash frequency	Once or twice pro second, adjustable
Reflector ratio	>95%
Elevation angle	0 to 15 degrees verticle

Inset flash light

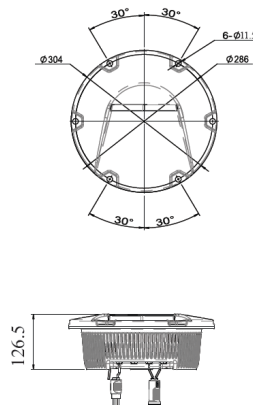
Unit power	260VA
Beam angle	Horizontal $\pm 15^\circ$, Verticle 2-12°
Light intensity	I class 3% (150 - 450cd)
	II class 10% (750 - 2250cd)
	III class 100% (7500 - 225000cd)
Flash frequency	Once or twice pro second, adjustable

Dimensions

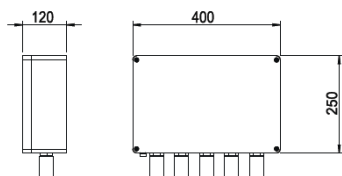
Lamp head of elevated flash light



Inset flash light



Unit control cabinet of flash light



Spare Parts

Component order

N°	Order No.	Description
1	979302	Main control cabinet
2	66230	Lamp head of elevated flash light
3	66220	Unit control cabinet
4	66410	Inset flash light
5	24263	Supporting pole
6	924252	Frangible coupling joint
7	SB-12-250-E	Shallow base
8	FL-10	Flange

RTIL (SSD-A) | Runway threshold identification light - Airsafe

Spare articles order

Component	Order No.	Description
Main control cabinet	66110	Main control cabinet panel assembly
Unit control cabinet	79108	Circuit board of unit control cabinet
Lamp head of elevated flash light	945519	Buckle
	31146	Optical cover
	31147	Reflector
	41119	Optical cover gasket
	L40JS	Light tube
	41111	Light body gasket
	79107	Circuit board
Inset flash light	43112	Prism gasket sleeve
	31161	Prism - ISFL glass-left
	31162	Prism - ISFL glass-right
	43315	Prism gasket
	43223	Prism pressing bracket
	41135	Light body gasket
	79116	Circuit board
	9L100JS-L	Lamp
	979115	Mandril
	941801	Valve
	HT70603	Plug
Base	41115	Gasket (o-ring gasket for 12" base)

Weight & Dimensions

Packaging	Dimensions	Weight
1 x Main control cabinet	400 x 520 x 1100mm ³	55kg
1 x Elevated flash light lamp head	260 x 270 x 320mm ³	2,9kg
1 x Inset flash light	310 x 310 x 150mm ³	8,8kg
1 x Unit control cabinet	130 x 250 x 400mm ³	6,5kg
6 x Flange	240 x 240 x 180mm ³	8,4kg
16 x Frangible coupling joint	340 x 340 x 190mm ³	12,3kg
1 x Base plate	340 x 340 x 290mm ³	7,0kg
30 x Supporting pole	580 x 530 x 310mm ³	37kg