AES
Airport Solutions

SFLS-LED | LED sequenced flashing lighting system - Airsafe

COMPLIANCE:

- ICAO Annex. 14, Vol.I
- FAA AC 150/5345-51B
- FAA E-2628B
- IEC 61827
- EASA: CS-ADR-DSN.
- STANAG 3316

Uses

LED approach sequenced flashing lighting system for airports CAT I, II & III according FAA E-2628B and ICAO annex 14 Vol.I.

Features

· Unit control is integrated into light, wich has compact structure.

· Main body of the lighting fixtures is made of aluminium alloy material with anti-corrosion surface treatment and all fasteners are made of stainless steel.

· The main control cabinet and all unit cabinets have CPU, wich works independently and collaborative cooperation is achieved through the BUS communication.

· LED flash has low power consumption and high power factor.

· An eventual failure will not result in breakdown of system, ensuring reliable system operation.

· Monitoring system achieves remote control and uploads of operation status.

· Circuits, power and communication cables are equipped with lightning protection, conforming FAA requierements.

· Elevated lights for mounting on 1" or 2" frangible tube.

· Precision machined on fixing elements to meet ICAO and FAA frangibility requirements.

· Photometry and chromaticity according to requirements of sequenced flashing systems of the FAA E-2628.

Specifications

· Power: 230V-50Hz / 400V-50Hz
· Color: White
· Consumption: Elevated unit 44VA / Inset unit 72VA
· Index Protection: IP67.

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Order Code

SFLS-LED - X-1 - X-2 - X-3 - X-4 - X5

Type
SFLS-LED: LED Sequenced flashing lighting system

Power
1P = Single-phase power supply

elevated light / insert light
02/05: 2 elevated light / 5 insert light
19/02: 19 elevated light / 2 insert light
....
30/00: 30 elevated light / 0 insert light

Communication Mode
CAN = CAN communication (with main control cabinet)

Flashing Frequency
01: 1Hz
02: 2Hz

Optional Function
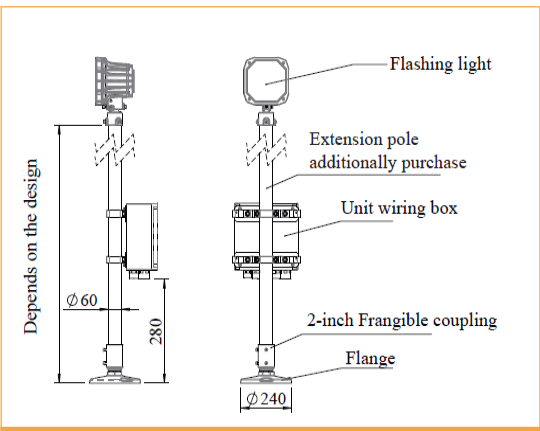*B: including with wiring box*

Installation

Figure 1
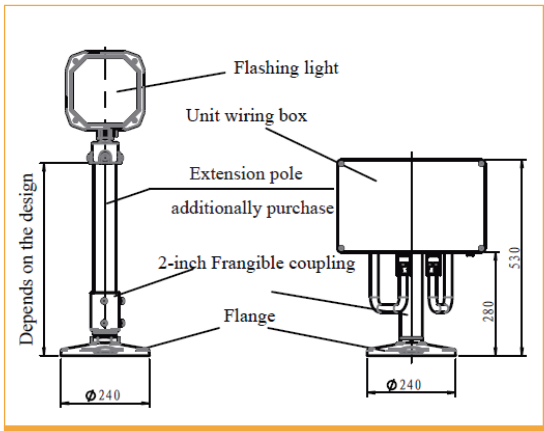*Elevated flashing light with upright pole installation Unit wiring box with backpack type installation*
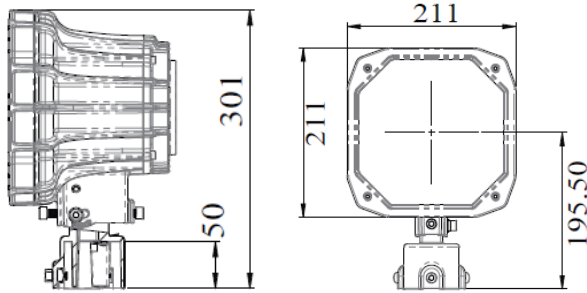

Figure 2
Elevated flash light upright pole installation Unit wiring box with supporting pole installation

![AES Airport Solutions logo]

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Dimensions

Dimension of Elevated Flashing light
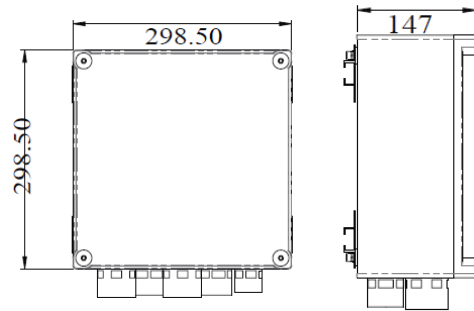
Dimension of the unit wiring box

Photometry

Elevated flashing light

Unit power	44VA
Beam angle	Horizontal ±15º, Verticle 0-10º
Light intensity	I class 2% (150 - 450cd)
	II class 10% (750 - 2250cd)
	III class 100% (7500 - 22500cd)
Flash frequency	Once or twice pro second, adjustable
Elevation angle	0 to 15 degrees vertical

Spare Parts

COMPONENT ORDER

Nº	Order No.	Description
1	979302	Main control cabinet
2	66280	Elevated flashing light
3	79308-D	Unit wiring box
4	924252	Frangible coupling joint
5	FL-10	Flange

SPARE ARTICLES ORDER

Nº	Order No.	Description
1	66110	Main control cabinet panel assembly
2	41186	Optical cover gasket
	979248	LED assembly
	31159	Optical cover
	41188	Light body gasket
	924D11	Rear cover assembly

Accessories

Nº	Order No.	Description
1	54220	Calibrator assembly

Weight & Dimensions

Packaging	Dimensions	Weight
1 x Main control cabinet	550 x 550 x 1400mm³	55kg
1 x Elevated flashing light	262x 302 x 380mm³	6,5kg
1 x Unit wiring box	440 x 350 x 550mm³	9,5kg
1 x Flange	240 x 240 x 180mm³	8,4kg
6 x Frangible coupling joint	340 x 340 x 190mm³	12,3kg