Airsafe

SFLS(SSD-A)

Sequenced Flashing Lighting System

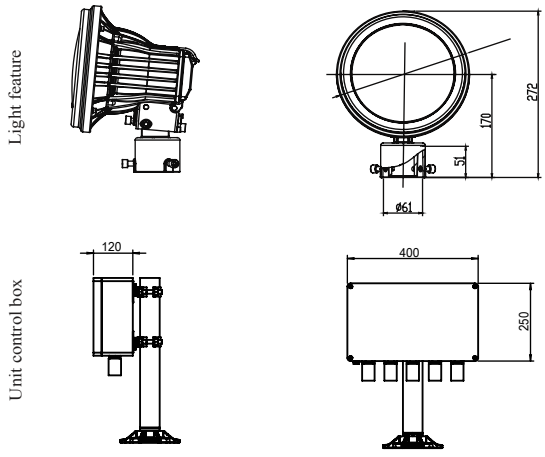
Compliance with Standards

CAAC: AC-137-CA-2015-09
SAC: GB/T 7256
ICAO: Volume 14, Volume I
IEC: TS 61827
FAA: AC 150/5345-51B
FAA: E-2628b
FAA-P-2965 PAR-56
NATO: STANAG 3316

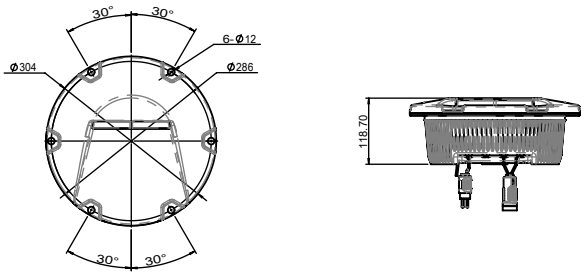
Application/Use

Approach System, Flashing Light,
Runway Threshold Indicator

Dimensions



Elevated type



In-pavement type

Ordering Information

SFLS-XP-XX/XX-XXX-XX

SFLS

SFLS = Sequenced flashing lighting stystem

Power supply

3P = Three-phase power supply
1P = Single-phase power supply

Number of Heads

00/01 = 0 elevated light/1 insert light
01/01 = 1 elevated light/1 insert light
01/09 = 1 elevated light/9 insert light
19/02 = 19 elebated light/2 insert light
.....
30/00 = 30 elevated light/0 insert light

Communication Mode

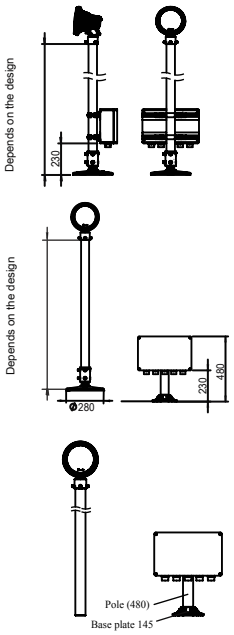
CAN = CAN communication
PLC = Carrier communication

Flashing Frequency

01 = 1 HZ
02 = 2 HZ

* Please provide detailed installation info while ordering, parts and accessories should be ordered separately specific with order no.

Installation



Elevated Type

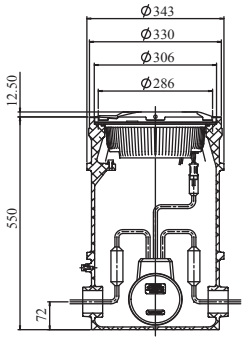


Fig 1. On 12” shallow base

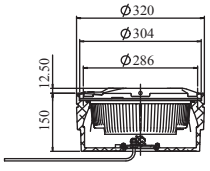


Fig 2. On 12” deep base

In-pavement Type

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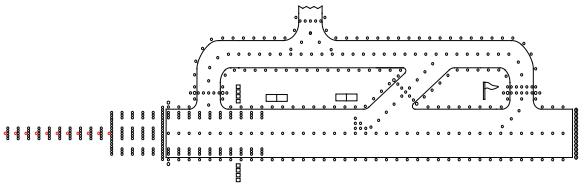

Features

- Light distribution and chromaticity conforming to the specifications contained in FAA-E-2628 and CAAC of China
- 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, which 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 138kpa 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 unit control cabinet that has concise cable layout, which is easier for maintenance and servicing
- Both main control cabinet and unit control cabinet have self-contained CPUs, which runs independently and operate in synergy via BUS communication
- Any component failures 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, which accumulates statistical records of system operation
- Monitoring system achieves remote control and uploads of operation status
- Circuits, power and communication cables are equipped with lightning protection, conforming to the requirements contained in FAA
- The elevated fixture can be connected to both one or two-inch frangible tube, which ensures convenient and secure installation
- Forged frangible couplings with precision machining, which complies with FAA requirements and ensure reliable and stable performance

Photometric Data

Beam angle:	horizontal ±15°, verticle ±5°
Flash frequency:	once or twice pro second
Light intensity:	I class 2% (150～450 cd)
	II class 10% (800～2,000 cd)
	III class 100% (8,000～20,000 cd
Reflector ratio:	> 95%
Elevation angle:	0 to 15 degrees verticle

Accessories

No.	Description	Order number
1	Main Control Box Panel	66110
2	Flashing Light	66230
3	Unit Control Box	66220
4	Flashing Lamp	L40JS
5	Unit Control Box circuit board	79108
6	Light circuit board	79107
7	Reflector	31147
8	Front glass	31146
9	Sealing ring	41119
10	Rear cover seal	41111

Packing Data

1 Light unit, Weight: 7.2 kg, Dimensions: 376×296×446 mm³
1 Base plate, Weight: 3.9 kg
1 Frangible coupling, Weight 0.6 kg

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