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- Built-in voltage surge and lightning protection.
- The FSU features waterproof 3-pin and 5-pin connectors for easy installation
- Remote control is incorporated into the Aviasafe Airfield Lighting Control and Monitoring System (ALCMS) and can easily interface with other platforms
- Simple and quick installation
- A thermostatically controlled heater is provided to prevent the accumulation of snow and ice from covering the light output (optional)
- Instant detection of an internal malfunction
- Designed for durability and withstanding shock and vibration
- Protection degree: IP67

INSTALLATION

Specific tools available for easy and precise installation

**refer to the user manual*

COMPLIANCES

ICAO Annex 14 - Volume I

EASA CS-ADR-DSN

FAA EB No.67D

IEC TS 61827

NATO STANAG 3316

APPLICATIONS

- Approach Flashing Light System
- Runway Threshold Identification (RTIL)
- Runway End Identification (REIL)

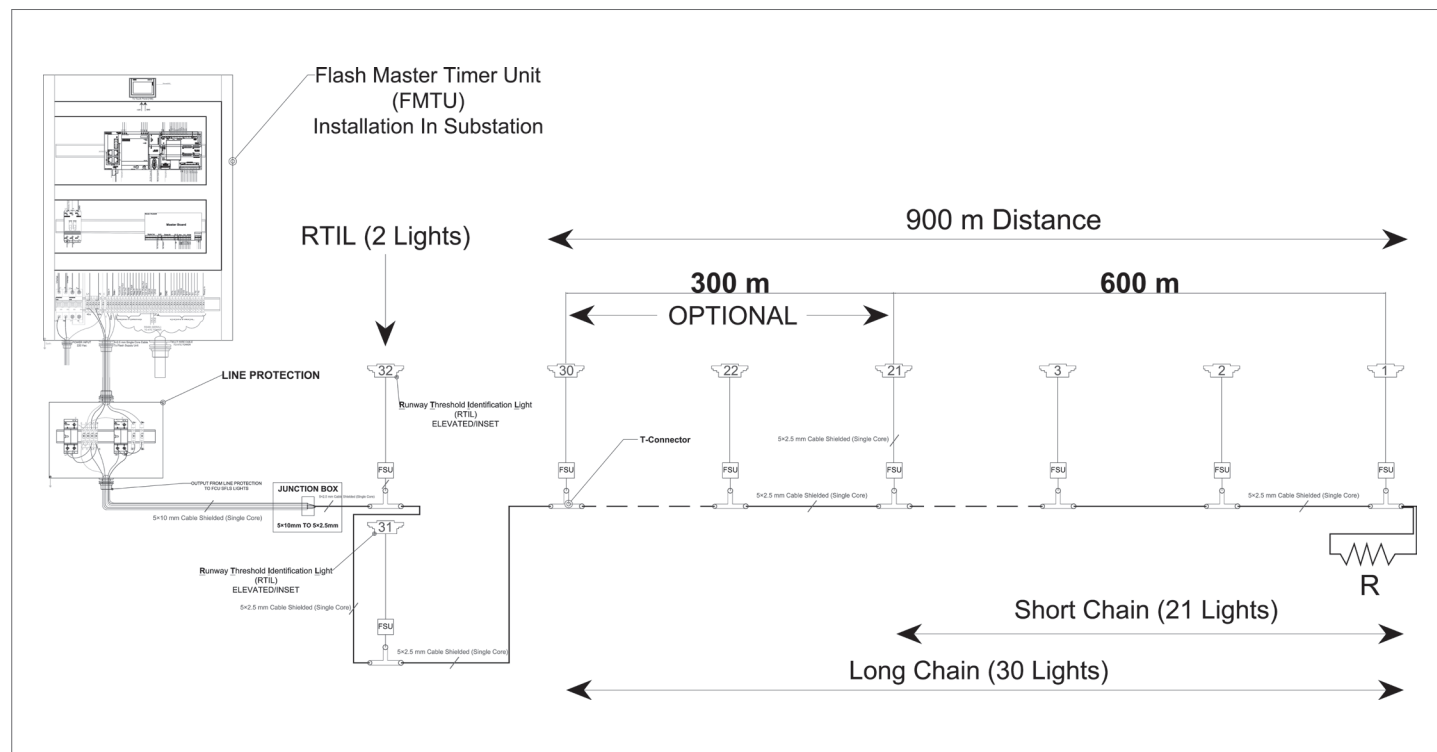
FEATURES & BENEFITS

- Complete digital control and monitoring
- Average LED life of 60,000 hours at full intensity but over 100,000 hours in typical operating conditions.
- Two selectable flashing frequencies (1-2 Hz)
- Three Adjustable Brightness Levels: High (100%), Medium (10%), and Low (3%)
- Adjustable number of synchronized flashing lights
- Aviasafe SFLS can simultaneously operate and control both inset and elevated lights
- Individual light control and monitoring capability in any operating state
- Adjustable light intensity
- User-friendly local control via a touch screen for easy operation

ENVIRONMENTAL CONDITIONS

- **Temperature:** -45 °C to +55 °C
-49 °F to +131 °F
- **Humidity:** Up to 100%

Control Unit Characteristics	
Power supply	220 VAC, 1 Ph., 50 Hz
Power consumption	~ 1,4 kVA
Fuse	Internal fuse automat 32A
Communication interface remote control	MODBUS RTU / MODBUS TCP 12x 24VDC Input parallel interface 14x 24VDC Output parallel interface
Communication interface service computer	Ethernet
Communication interface flash lights	2-wire RS-485
Environmental temperature	-25°C +45 °C
Relative humidity, not condensed	10% - 90%
Altitude over NIN (operation)	IP 43
International Protection class	-100m + 2.500 m
Housing	Metal housing wall mounted
Dimensions	710 x 500 x 270 mm (W x H x D)
Weight	~ 36 kg

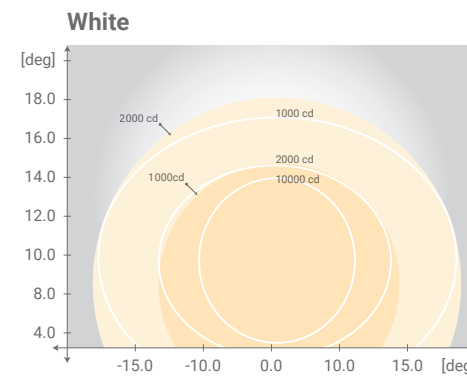


MAIN COMPONENTS OF THE INSET LIGHT UNIT

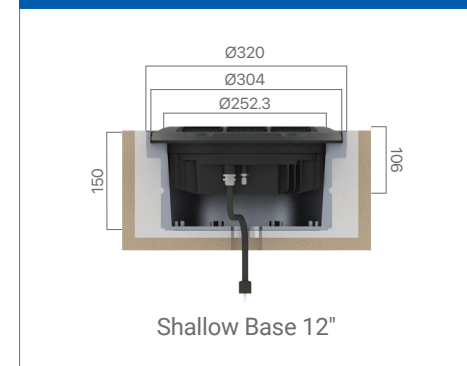
- 01. Dome (Upper Cover)
- 02. Prism Gasket
- 03. Prism
- 04. Prism holder gasket
- 05. Prism holder
- 06. TIR
- 07. LED PCB
- 08. Heatsink
- 09. O-Ring for dome (internal)
- 10. O-Ring for lower cover
- 11. Lower cover with electronics
- 12. Gland with accessories
- 13. Valve for watertightness test
- 14. Plug(lead wire)



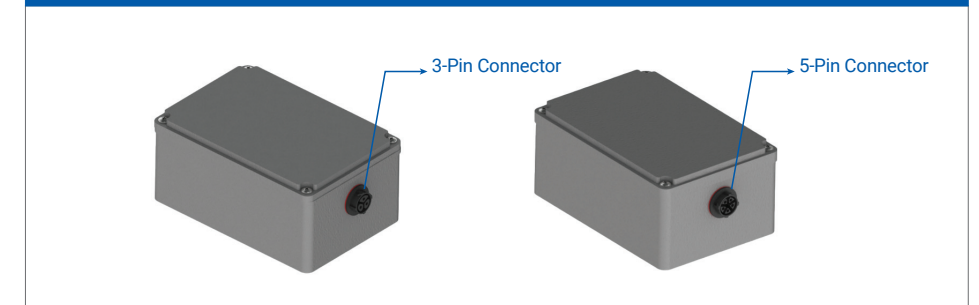
PHOMETRIC PERFORMANCE



DIMENSIONS



FLASH SYSTEM UNIT (FSU)



Inset Sequential Flash Light

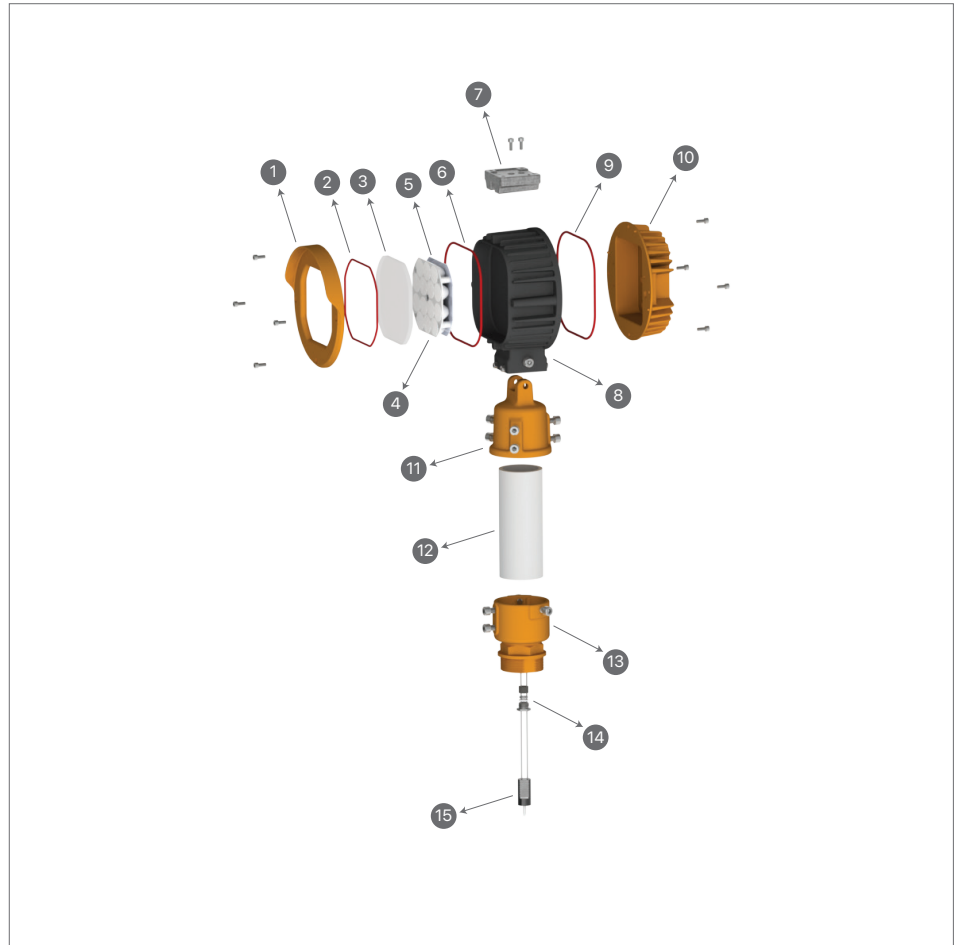
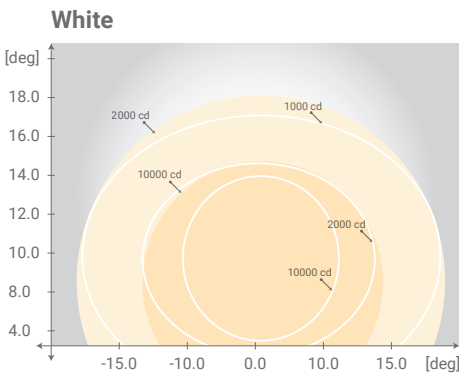
Heater
C: Without Heater
H: With Heater

IN-SF - C

MAIN COMPONENTS OF THE ELEVATED LIGHT UNIT

1. Front Body
2. O-Ring
3. Front Glass
4. TIR
5. LED PCB
6. O-Ring
7. Aiming Device
8. LED Module
9. O-Ring
10. Back Body
11. Aiming Support
12. Pipe (OD60 mm)
13. Breakable Coupling
14. Gland with Accessories
15. Lead Wire

PHOTOMETRIC PERFORMANCE



EL-SF - C

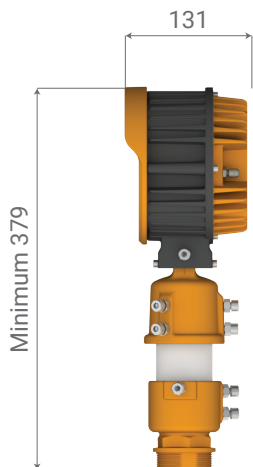
Elevated Sequential Flash Light

Heater

C: Without Heater

H: With Heater

DIMENSIONS



SHIPPING DIMENSIONS & WEIGHTS

	FMCU	Inset Light Unit	Elevated Light Unit
Dimensions(cm)	71*51*29	30*18*16	31*31*12
Weight(kg)	35.2	8.3	3.9

CA-SF

Sequential Flash Light Control Unit