



Explosion Protection by SUREALL



Product Catalogue

**Explosion Protected LED Luminaires
for Use in Hazardous Locations**



SUREALL TECHNOLOGY LIMITED

SAV Series Audio and Visual Luminaires

Class I, Div.1, Group A, B, C, D	Hazardous Locations
Class II, Div.1, Group E, F, G	UL/cUL Listed
Class III	Wet Locations, Type 4X, IP66
Class I, Zone 1, Zone 2, Ex d	IECEX/ATEX



Applications

- In area requiring audio and visual warning when emergency
- Oil and gas plants, oil terminals, refineries, petrochemical and chemical plants, waste and sewage treatment facilities, food processing facilities, breweries and other industrial manufacturing facilities
- In area where corrosion, vibration, moisture, dirt and fibers
- Classified and hazardous locations where flammable gases or vapors may present due to abnormal, unusual or accidental conditions.

Features

- Body: Die-cast aluminum
- Len: Shock and temperature resistant borosilicate glass
- Gaskets: Acid/hydrocarbon resistant silicone gasket for temperatures of -50°C
- Bolts and screws: Stainless steel
- Coating: Epoxy coating (grey)
- Corrosion resistance: The STANDARD of the aluminum alloy used by SUREALL has passed the tests required by standards EN60068-2-30 (hot/humid cycles) and EN60068-2-11 (salt mist tests)



Ex-mark	⚠ II 2 G Ex d ib IIC T6 Gb			
	⚠ III 2 D Ex td A21 IP66 T80°C			
Rated Voltage	AC 110/220-240/380V 50/60Hz		DC/AC 12/24/36V	
Rated Wattage(W)	5W LED			
Flash Frequency(times/min)	A-Audio and Visual type	F-Flash type	L-Low Luminous Intensity type	P-Photocell Low Luminous Intensity type
	136	136	45	45
Sound Intensity	110-120dB			
Ambient Temperature	$-20^{\circ}\text{C} \sim +40^{\circ}\text{C}$ / $-4^{\circ}\text{F} \sim +104^{\circ}\text{F}$			
Cable Entry	NPT3/4" or M25*1.5			
Terminals	Terminal blocks $\leq 2.5\text{mm}^2$, cable diameter 10-14mm			
Installation	Horizontal Type/Ceiling Type / Pendant Type			

Certifications and Compliances

IEC Standard

IEC60079-0, IEC60079-1, IEC60079-11
 Ex d ib IIC T6 Gb
 Zone 1, Zone 2; Zone 21, Zone 22
 IP65

EU Standard

EN60079-0, EN60079-1, EN60079-11
 II 2 G Ex d ib IIC T6 Gb
 III 2 D Ex td A21 IP66 T80°C
 Zone 1, Zone 2; Zone 21, Zone 22
 IP66

NEC & CEC Standard

Class I, Div 2, Group A B C D
 Class II, Div 1, Group E F G
 Class III
 Wet Locations, Type 4X, IP66

UL Standard

UL844, UL1598, UL1598A

CSA Standard

CSA C22.2 No.137

Catalogue Numbering System

SAV



Alarm Type

A–Audio and Visual type
F–Flash type
L–Low Luminous Intensity type
P–Photocell Low Luminous Intensity type



Lamp Color

R–Red
G–Green
Y–Yellow



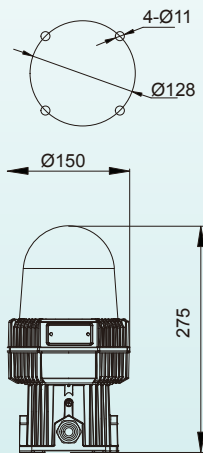
Mounting Type

C–Horizontal /Ceiling Type
P–Pendant Type

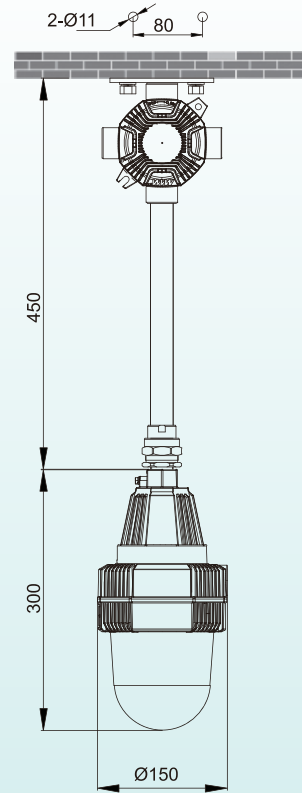


0–Without protected guard
1–With protected guard

Mounting Options & Dimensions (mm)



Horizontal Type/Ceiling Type



Pendant Type

Certificato di esame UE del tipo

EU-type examination certificate

n. ECM 19 ATEX 2070

Rilasciato ai sensi della direttiva 2014/34/UE – Allegato III - Modulo B

Issued according to 2014/34/EU Directive – Annex III - Module B



Richiedente

Applicant

Ragione Sociale

SUREALL TECHNOLOGY LIMITED

Company Name

Indirizzo

No.8, Road 3 Fenglin, District Yuelu, Changsha, Hunan, China

Address

Luogo di produzione

No.8, Road 3 Fenglin, District Yuelu, Changsha, Hunan, China

Place of production

Apparecchiatura

Explosion-proof LED Audio and Visual Lighting Fixture

Equipment

models SAV series

brand SureAll

Questa apparecchiatura o sistema di protezione e le sue eventuali varianti accettate sono descritte nel presente Certificato e nell'allegato dello stesso.

This equipment or protective system and any acceptable variation thereto are described in this Certificate and its Annex.

L'ECM, Organismo Notificato n° 1282 in conformità all'art. 17 della Direttiva 2014/34/UE del Parlamento europeo e del Consiglio del 26 febbraio 2014, certifica che questa apparecchiatura o sistema di protezione verificata secondo la procedura di cui all'allegato III, Modulo B, è conforme ai requisiti essenziali di sicurezza e salute per il progetto e la costruzione di apparecchiature e sistemi di protezione destinati ad essere utilizzati in atmosfere potenzialmente esplosive, definiti nell'allegato II della Direttiva.

ECM, Notified Body No. 1282 in accordance with Article. 17 of Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment or protective system was tested according to the procedure set out in Annex III, Module B, complies with the essential health and safety requirements for the project and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II of the Directive.

Le verifiche ed i risultati di prova sono registrati nel rapporto a carattere riservato n° PRD-2019-ST070.

The examination and test results are recorded in confidential report no. PRD-2019-ST070.

I requisiti essenziali di sicurezza e salute sono assicurati dalla rispondenza alle Norme applicate: EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014


The essential health and safety requirements are assured by compliance with applied Standard: EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014

Questo Certificato di esame UE del tipo è relativo soltanto al progetto, all'esame ed alle prove dell'apparecchiatura o sistema di protezione specificato in accordo con la Direttiva 2014/34/UE. Ulteriori requisiti di questa Direttiva si applicano al processo di produzione e fornitura dell'apparecchiatura o sistema di protezione: questi requisiti non sono oggetto del presente certificato.

This EU-type examination certificate relates only to the design, examination and tests specified equipment in accordance with Directive 2014/34/EU. Further requirements of the Directive shall be applied to the manufacturing process and supply condition: these requirements are not covered by this certificate.

L'apparecchiatura o il sistema di protezione deve riportare i seguenti contrassegni:

The equipment shall be marked with the following symbols:

 II 2 G Ex d ib IIC T6 Gb

 II 2 D Ex tD IIIC T6 Db IP66

Valsamoggia (BO)

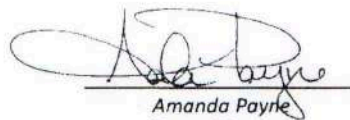
Data - Date 08/10/2019

Timbro



Firma autorizzata

Authorized signature



Amanda Payne
(Deputy Manager)

Questo certificato, incluso l'allegato, può essere riprodotto solo integralmente e senza alcuna variazione.

This certificate, annex included, can only be reproduced in its entirety and without any change.

Ente Certificazione Macchine srl

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