

## SLe Series Linear Fluorescent Plastic Lights

Class I, Div.2, Group A, B, C, D      Hazardous Locations  
 Class II, Div.1, Group E, F, G      Wet Locations, Type 4X, IP 66  
 Class III  
 Zone 1&2; Zone21&22



Model	Lumens (lm)	Wattag	Lumens per Watt (lm/W)	Equivalent HID Luminaire
SLe-T-1x18W	1530	T8 1x18W	85	70W
SLe-T-2x18W	3060	T8 2x18W	85	70-100W
SLe-T-1x36W	3060	T8 1x36W	85	70-100W
SLe-T-2x36W	6120	T8 2x36W	85	100-150W
SLe-L-1x9W	1170	LED 1x9W	130	70W
SLe-L-2x9W	2340	LED 2x9W	130	70-100W
SLe-L-1x18W	2340	LED 1x18W	130	70-100W
SLe-L-2x18W	4680	LED 2x18W	140	100-150W
SLe-S-1x20W	2800	LED 20W	140	70-100W
SLe-S-1x30W	4200	LED 30W	140	100W
SLe-S-2x15W	4200	LED 30W	140	100W
SLe-S-1x40W	5600	LED 40W	140	100-150W
SLe-S-2x20W	5600	LED 40W	140	100-150W
SLe-S-2x30W	8400	LED 60W	140	175-250W
SLe-S-2x40W	11200	LED 80W	140	320-400W

### Applications

- Hazard class division: can be used for different class and division replying on the classification standard, hazard class division can be class 1 div 1 and class div 2, class 2 division 1 and class 2 division 2, zone 1 and zone 2, zone 21 and zone 22, you can check the hazardous area classifications chart as below.
- Usage by application: Based on the application field, explosion proof fluorescent lighting can be used in refinery plant, petrochemical plant, gas station plant, oil tankers, fuel tank, chemical factory, pesticide factory, anywhere there is flammable gas, vapor, mist and dust.
- Usage by mounting places: can be used in master control room, power distribution room, fuel processing areas, cabinet of tankers, underground, test center for petrochemical and chemical production areas and other areas requesting middle lumen lighting for hazardous locations.

### Features

Being the biggest market needs products for explosion proof lighting, SLe series is a traditional explosion proof fluorescent lighting with GRP housing and T8 explosion lamp which is a proper solution for paint booth lights and gas station canopy lights, SUREALL introduce the latest led strips explosion lamp to develop a class 1 div 2 fluorescent fixture to innovate the

energy-saving explosion proof lighting, explosion proof led lights and explosion proof string lights for project of oil and gas lighting. ATEX rating zone 1, its hazard class division can be class 1 div 2, class 2 division 1 and class 2 division 2.

- The enclosure is made of high strength Fiberglass Reinforced Polyester, which has fine lighting properties with high transmittance and impact resistance.
- Unique seal structure and gasketed housing ensures the great functions of water proof and dust proof in the harshest and corrosive environment.
- Inner explosion-proof electronic ballast and built-in LED driver, short circuit protection.
- Designed standby circuit for the phenomenon of lamp tube aging effect and air leakage.
- The power factor is more than 0.98.Wide range of input voltage.
- LED linear lamp tube,T8 fluorescent lamp tube for option.
- Low cost for maintenance, inner electronic ballast for T8 fluorescent lamp tube, built-in LED driver for LED lamp tube.
- Back-up emergency battery for emergency lighting when necessary. Rugged, long life, maintenance-free, Ni-MH battery, last for emergency operation time at 10W or 20W LED for 120 minutes or 180 minutes.
- Lightweight, compact size and mounting feet ease installation and allow placement in confined area.

### Standard Materials

- Housing: Fiberglass reinforced polyester
- Lens: Poly-carbonate
- Gaskets: Latch assembly and elastomer gasket seals against water and dust ingress

### International Certifications

#### IEC Standard

IEC60079-0, IEC60079-1, IEC60079-7,  
IEC60079-18, IEC60079-31

Ex eb mb db IIC T5/T6 Gb


Ex tb IIIC T95°C/T85°C Db IP66

Zone1, Zone 2

Zone 21, Zone 22

#### EU Standard

EN60079-0, EN60079-1, EN60079-7,  
EN60079-18, EN60079-31

 II 2 G Ex eb mb db IIC T5/T6 Gb

 II 2 D Ex tb IIIC T95°C/T85°C Db IP66

Zone1, Zone 2

Zone 21, Zone 22

#### NEC & CEC Standard

Class , Division 2, Groups A, B, C, D

Class II , Division 2, Groups F, G

Class III

#### UL Standard

UL844, UL1598, UL1598A

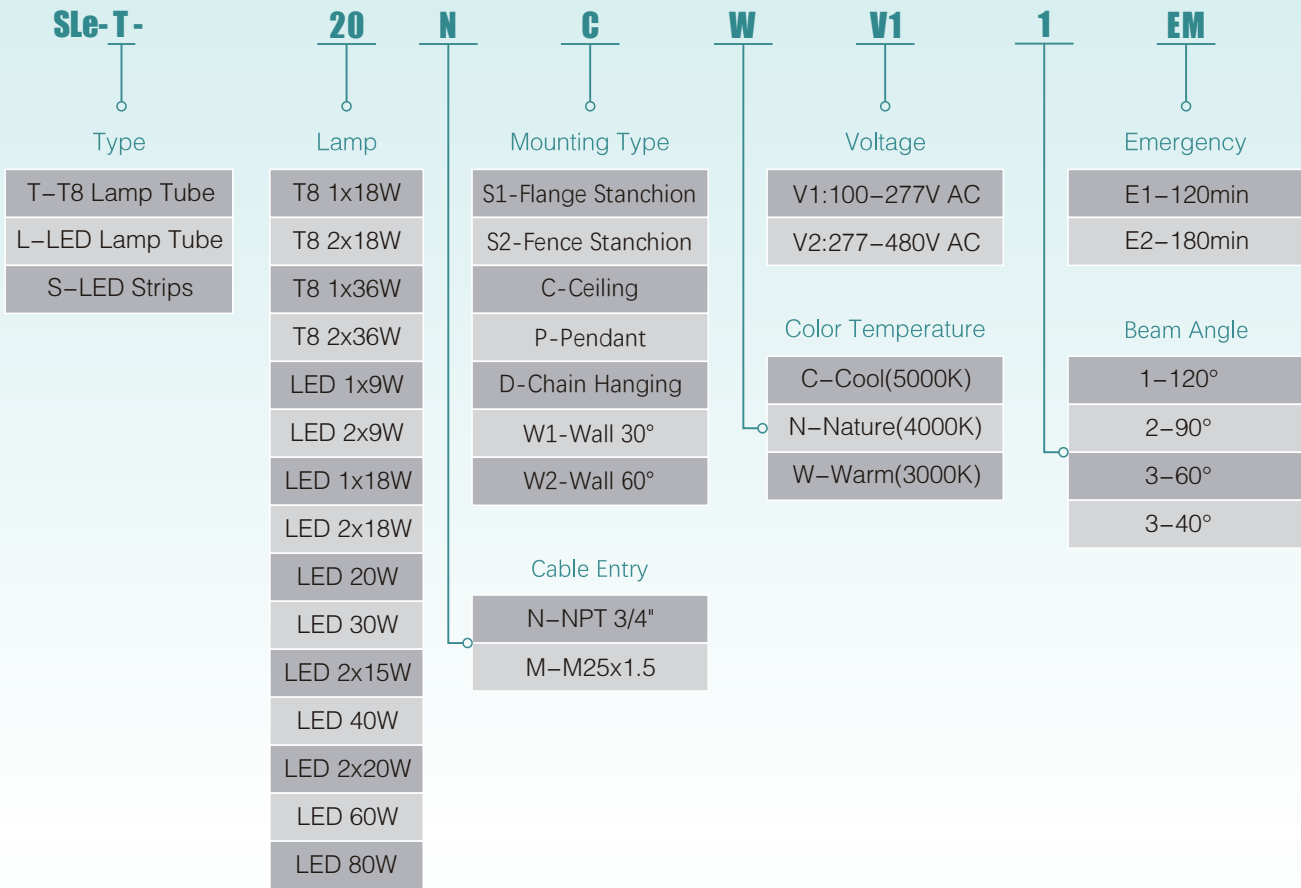
CSA Standard

CSA C22.2 No.137

### Technical Datasheet

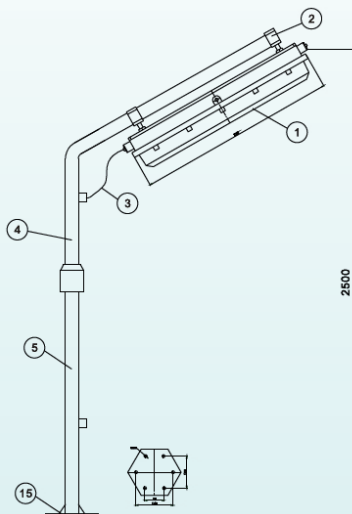
Rated Voltage	100-277V AC 50/60Hz				277-480V AC 50/60Hz			
	T8 1x18W	T8 2x18W	T8 1x36W	T8 2x36W	LED 1x9W	LED 2x9W	LED 1x18W	LED 2x18W
Wattage(W)	1530	3060	3060	6120	1170	2340	2340	4680
Lumens(lm)	2800	4200	4200	5600	5600	5400	11200	
Wattage(W)	LED 1x20W	LED 30W	LED 2x15W	LED 40W	LED 2x20W	LED 2x30W	LED 2x40W	
Lumens(lm)	5000K/4000K/2700K							
Color Temperature	Wet Locations, Type 4X, IP66							
IP Grade	-40°C~ +55°C / -40° F ~ +131° F							
Ambient Temperature	NPT 3/4" or M25X1.5							
Cable Entry	Terminal blocks ≤ 2.5mm <sup>2</sup> , cable diameter 10- 14mm							
Terminals	Flange Stanchion / Fence Stanchion / Ceiling / Pendant / Chain Hanging / Wall 30° / Wall 60°							
Mounting Type	120° / 90° / 60° / 40°							
Beam Angle								

## Catalogue Numbering System

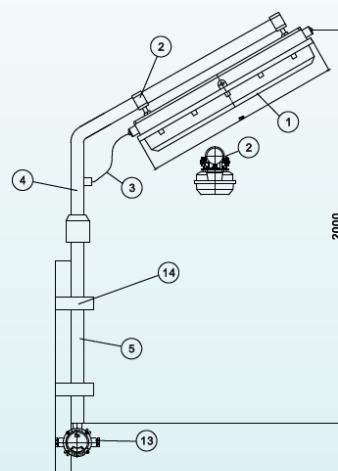


## Mounting Options & Dimensions (mm)

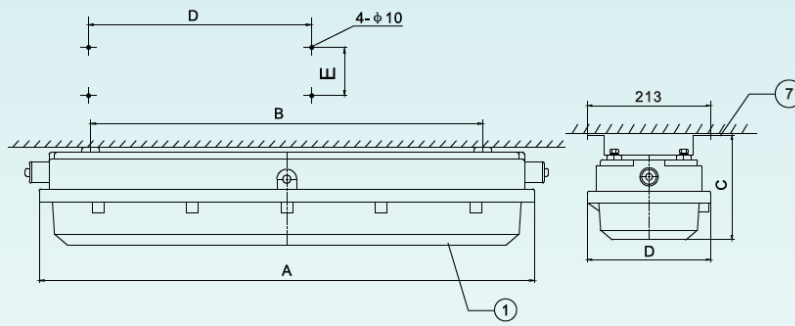
S1: Flange Stanchion Type



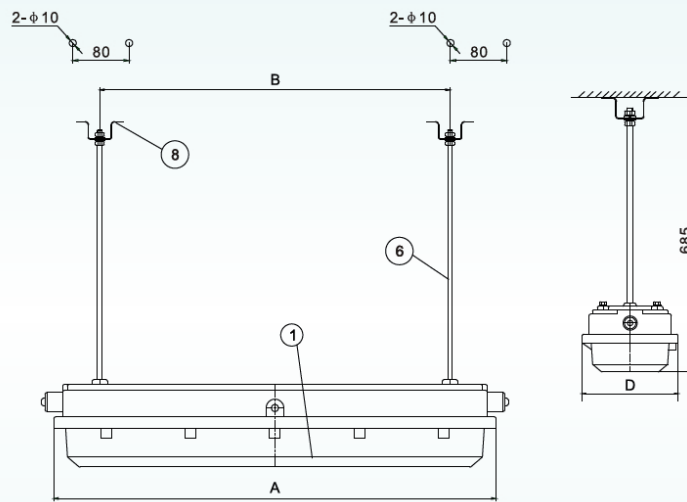
S2: Fence Stanchion Type



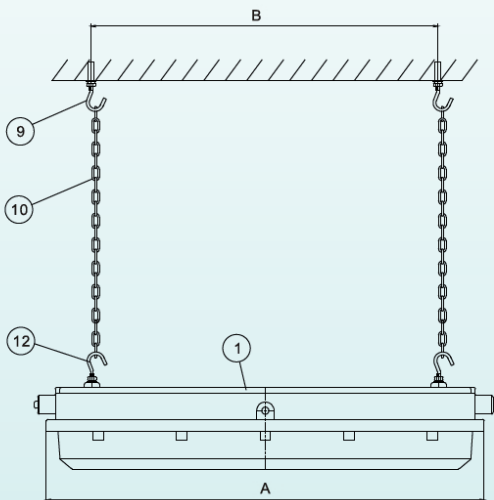
C: Ceiling Type



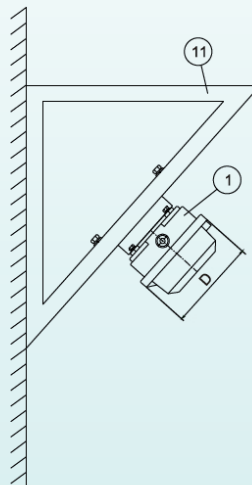
P: Pendant Type



D: Chain Hanging Type



W1: Wall 30° Type



W2: Wall 60° Type

