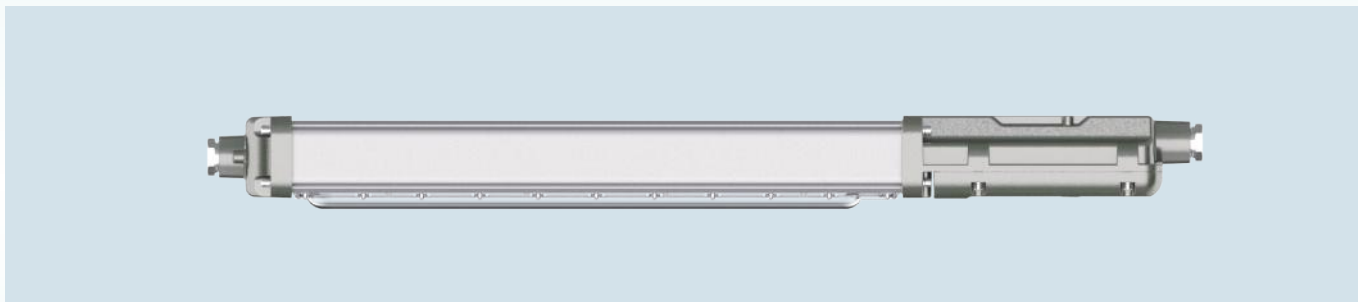


SLn Series LED Linear Luminaires

Class I, Div.2, Group A, B, C, D Hazardous Locations
 Class II, Div.1, Group E, F, G IECEx/ATEX
 Class III Wet Locations, Type 4X, IP 66
 Zone 2; Zone 21&22



| Model | Luminous Flux(LM) | Wattage | Lumen/Wattage | Equivalent Fluorescent luminaire |
|----------|-------------------|---------|---------------|----------------------------------|
| SLn-40W | 5600 | 40W | 140 | 3x36W |
| SLn-60W | 8400 | 60W | 140 | 2X58W |
| SLn-80W | 11200 | 80W | 140 | — |
| SLn-120W | 16800 | 120W | 140 | — |



Applications

- For areas with mounting heights of 10–33ft (3–10m)
- Oil and gas refineries, drilling rigs, petrochemical facilities, land-based and offshore rigs, mining, areas include derrick, mast, SCR house, top drive, operator's house, power and pump stations, and where flammable vapors, gases, ignitable dusts, fibers or flying are present
- Locations requiring continuous and consistent light levels in extreme ambient temperatures
- Where extremely corrosive, wet, dusty, hot and/or cold conditions exist; Type 4X, marine, wet locations and hose-down environments
- Classified and hazardous locations

Features



- The enclosure is made of high strength die cast aluminum with anti-corrosion powder coat .
Unique seal structure and gasketed housing ensures the great functions of water proof and dust proof in the harshest and
- corrosive environment.
- Built-in LED driver , short circuit protection.
- The power factor is more than 0.98.Wide range of input voltage.
- Low cost for maintenance, 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.

International Certifications

IEC Standard

IEC60079-0, IEC60079-15, IEC60079-31
 Ex nR IIC T6/T5 Gb
 Ex tb IIIC T80°C/T95°C Db IP66
 Zone 2, Zone21, Zone 22
 IP66

EU Standard

EN60079-0, EN60079-15, EN60079-31
 II 3 G Ex nR IIC T6/T5 Gb
 II 2 D Ex tb IIIC T80°C/T95°C Db IP66
 Zone 2, Zone21, Zone 22
 IP66

NEC & CEC Standard

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

UL Standard warm white (3000K)

UL844, UL1598, UL1598A

CSA Standard

CSA C22.2 No.137

Standard Materials

- Lamp housing and adapter – die cast aluminum with anti-corrosion powder coat
- Lens – heat-resistant and impact-resistant tempered glass
- Gaskets – silicone
- External hardware – carbon steel or stainless steel
- Factory sealed, no external seals required

LED System

- High intensity discrete power emitters
- Standard: cool white(5000K); Optional:warm white(3000K); nature white(4000K)
- Brand-new LED chips

LED Driver

| | | |
|---------------|--------------------------------------|--------------------|
| Input Voltage | 100–277V AC 50/60Hz | |
| | 277–480V AC 50/60Hz | |
| THD | <20% | |
| Power Factor | 0.98 (220V/full load) | |
| Protection | Short Circuit/Over Voltage/Over Heat | |
| | Surge Protection | Line to line 4KV |
| | | Line to earth 10KV |
| IP | IP66 | |

Catalogue Numbering System

| SLn- | 20 | C | N | C | V1 | V1 |
|----------|-------------------|-------------|-------------------|---------------|-------------|----|
| Lamp | Mounting Type | Cable Entry | Color Temperature | Voltage | Emergency | |
| 40–40W | C–Ceiling Bracket | N–NPT3/4” | C–Cool(5000K) | V1:AC100–277V | EM1: 120min | |
| 60–60W | S–Stanchion | M–M25x1.5 | N–Nature(4000K) | V2:AC277–480V | EM2: 180min | |
| 80–80W | | | W–Warm(3000K) | | | |
| 120–120W | | | | | | |

Technical Datasheet

| | | | | |
|-----------------------|---|------|-------|-------|
| Classification | Class I,Div.2,Group A,B,C,D Class II,Div.1,Group E,F,G Class III Zone2;Zone 21&22 | | | |
| Standards | IEC60079-0, IEC60079-15, IEC60079-31 EN60079-0, EN60079-15, EN60079-31 UL844, UL1598, UL1598A CSA C22.2 No.137 | | | |
| Ex-mark | II 3 G Ex nR IIC T6/T5 Gb II 2 D Ex tb IIIC T80°C/T95°C Db IP66 | | | |
| Rated Voltage | AC 100-277V 50/60Hz AC 277-480V 50/60Hz | | | |
| Rated Wattage(W) | 40W | 60W | 80W | 120W |
| Luminous Flux(LM) | 5600 | 8400 | 11200 | 16800 |
| Emergency Duration | 120min or 180min | | | |
| Battery Specification | Ni-MH battery | | | |
| Color Temperature | 3000K-5000K | | | |
| IP Grade | Wet Locations, Type 4X, IP66 | | | |
| Ambient Temperature | -40° C ~ +55° C / -40° F~+131° F | | | |
| Cable Entry | M25*1.5 or NPT3/4" (adaptor for M20x1.5,NPT1" ,NPT1 1/2") | | | |
| Terminals | Terminals blocks≤2.5mm ² , cable diameter 10-14mm | | | |
| Installation | Ceiling Bracket /Wall Bracket | | | |

Mounting Options & Dimensions (mm/inch)

