



STRONGEx1 G2

Zone 1, 21

Extreme robustness and resistance against impacts and chemical agents

II 2G Ex eb mb IIC T4 Gb
 II 2D Ex tb IIIC T85°C Db

ATEX certificate No: INERIS 22ATEX0035X
 IECEx certificate No: IECEx INE 22.0059X



5 YEARS warranty



Benefits

- Gas tight luminaire, suitable for outdoor applications.
- High resistance PMMA profile, suitable for refineries close to the sea with salty environments.
- Integrated emergency kit with up to 3 hours autonomy.
- Wide temperature range to allow its installation in plants all over the world.

Characteristics

IP 66/69K
IK 10
Frequency 50/60Hz
Rated voltage 220-240V
NON-SELV

Mechanical characteristics

| | |
|--------------|--|
| Profile | High chemical and impacts resistance PMMA with UV protection |
| End caps | PA66 + fibreglass |
| Gasket | High-temperature resistant MVQ silicone |
| Gear tray | White lacquered steel plate + internal aluminum heatsink |
| Cable entry | Cable gland |
| Fixing clips | V2A Stainless steel |

Functional characteristics

| | |
|-----------------|---|
| Lifetime | L80 100,000 hours at 35°C |
| Guarantee | 5 years |
| Fire protection | Flammability (UL94): V2 Glow wire test (EN 60695-2-11): 650° |



Compliance

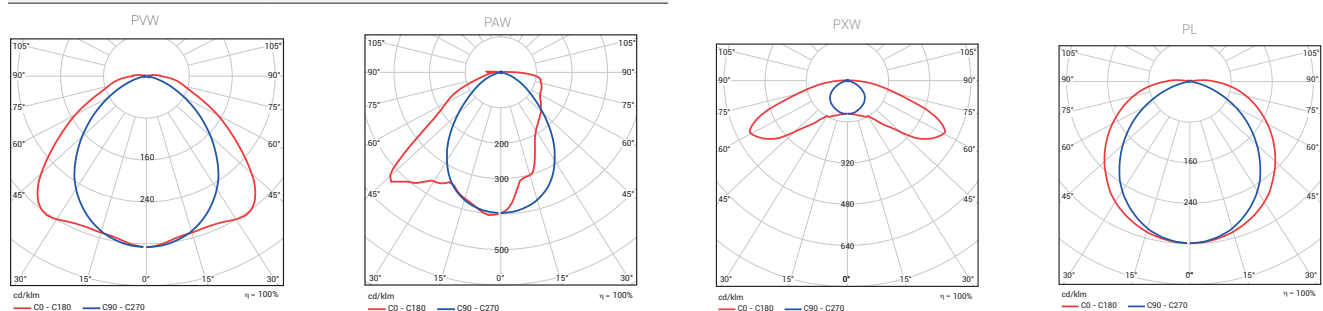
RoHS REACH

Electrical characteristics

| | |
|------------|--|
| Connection | Ex-certified push-wire connectors, up to 8 poles |
| THD | < 10% full load |

Photometrical characteristics

| | |
|------|-----|
| SDCM | < 3 |
|------|-----|



Data subject to change.

02-08-2024

www.zalux.com





Description

| FAMILY | LENGTH (mm) | OPTICS | LUMINOUS FLUX (lm) | CRI | LIGHT COLOUR (K) | DRIVER | THROUGH WIRING | EMERGENCY KIT |
|--------------------|------------------------|--------|--------------------------|----------|------------------|--------------------|--|----------------|
| > S1: STRONGEx1 G2 | > 6: 600 > 12: 1200 | > PVW | > 56: 5600 > 28: 2800 | > 8: >80 | > 40: 4000 | > ET: non dimmable | > LV: 3x2.5mm ² (for ET versions) / 5x2.5mm ² (for ETDD versions) ¹ | > EB3: 3 hours |

Special options under request

| | | | | |
|-------------------------------------|------------------------|--|-----------------------|---------------|
| Ask our Sales Team for more details | > PAW > PXW > PL | > 30: 3000 > 50: 5000 > 57: 5700 | > ETDD: DALI dimmable | > EB1: 1 hour |
|-------------------------------------|------------------------|--|-----------------------|---------------|

¹ Please refer to assembly instructions manual for maximum current.

Operational data

| Description | Order number | Luminous flux (lm) | Power (W) | Efficiency (lm/W) | Emergency luminous flux (lm) | Colour temperature (K) | CRI | Temperature range ² |
|--------------------------------------|--------------|--------------------|-----------|-------------------|------------------------------|------------------------|-----|--------------------------------|
| S1 6 PVW 28-840 ET | 10269625 | 2800 | 18 | 156 | - | 4000 | 80 | -35°C - +55°C |
| S1 6 PVW 28-840 ET LV | 10269629 | 2800 | 18 | 156 | - | 4000 | 80 | -35°C - +45°C |
| S1 12 PVW 56-840 ET | 10269631 | 5600 | 35 | 160 | - | 4000 | 80 | -35°C - +55°C |
| S1 12 PVW 56-840 ET LV | 10269635 | 5600 | 35 | 160 | - | 4000 | 80 | -35°C - +50°C |
| EMERGENCY KIT | | | | | | | | |
| S1 6 PVW 28-840 ET EB3 ³ | 10269627 | 2800 | 17 | 165 | 280 | 4000 | 80 | -20°C - +35°C |
| S1 12 PVW 56-840 ET EB3 ³ | 10269633 | 5600 | 35 | 160 | 560 | 4000 | 80 | -20°C - +35°C |

² Maximum operating ambient temperature depends on input power and luminaire configuration, please consult assembly instructions manual.

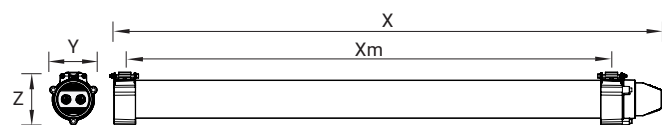
³ In emergency versions maximum power consumption increases in 4W during battery charging, which is approximately 5% of the time that luminaire is on. The rest of the time power consumption is as indicated.

Dimensions and logistics

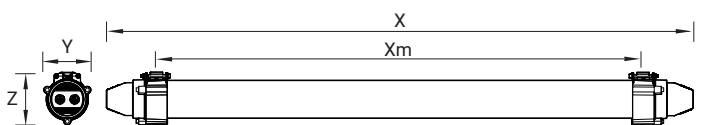
| Description | X | Xm | Y | Z | L x W x H mm | Pcs./Box | Box | Groupage Pcs./Euro pallet | Double pallet Pcs./Euro pallet |
|-------------|------|------|-----|-----|------------------|----------|-----|---------------------------|--------------------------------|
| | | | | | | | | | |
| S1 6... | 888 | 725 | 125 | 138 | 1010 x 160 x 140 | 1 | 4.5 | 50 | 30+30 |
| S1 6... LV | 991 | 725 | 125 | 138 | 1010 x 160 x 140 | 1 | 5.1 | 50 | 30+30 |
| S1 12... | 1451 | 1287 | 125 | 138 | 1600 x 160 x 140 | 1 | 6.5 | 50 | 30+30 |
| S1 12... LV | 1553 | 1287 | 125 | 138 | 1600 x 160 x 140 | 1 | 6.9 | 50 | 30+30 |

Please check with our Back Office to confirm logistic data

STANDARD VERSION



THROUGH WIRING VERSION



Accessories

| | |
|----------------|--|
| 10225340 | ATEX junction box 2 122 x 120 x 90mm |
| 10230425 | ATEX junction box 80 x 75 x 75mm |
| 10376674 | Nickel brass Ex cable gland, M25, with nut and ring, 1 unit |
| 10376675 | Nickel brass Ex cable gland, M20, with nut and ring, 1 unit |
| 10235494 | Accessories bag STRONGEx G2 SCRM ⁴ |
| 10380891 | Closing kit with polyamide Ex cable gland and V4A screws, M25, 1 unit (2 units required for through wiring versions) |
| 10376687 | Fixing clips in stainless steel with antitheft screws V4A, set for 1 luminaire |
| 10185019 | Special V4A stainless steel brackets, 2 pieces set |
| Please consult | Pole for wall mounting with tilt angle 15° or 45° For 600, 1200 or 1500mm luminaires ⁵ |



10235494



10185019



⁴ Only for indoor installation

⁵ Please consult our Sales Team if you require an additional customised pole or mounting accessory

