

SZG202C **ultra-bright** led explosionproof lamp



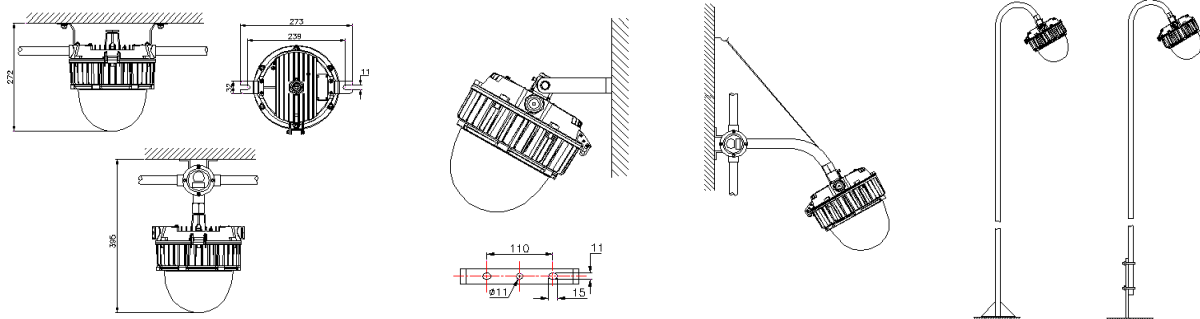
Applications:

- petrochemical plant platform
- oilfield drilling platform
- oil depots, gas stations, filling stations
- pharmaceutical chemical, fine chemical, organic chemical and other enterprises explosionproof places
- explosionproof street lamps
- explosionproof tunnel lights
- explosionproof passageway lights

Description of performances:

Explosionproof marking	Hazardous area	Luminous efficiency for led	Light efficacy for luminaire	Competitive energy saving rate
ATEX certification II 2 G Ex d IIC T6 Gb	Zone 1 & Zone 2	250 lm/W	185 lm/W	45%
Power efficiency	Design of heat dissipation	Material of shell	Mounting mode	IP protection
≥95%	Led driver fully attached to the rear shell	ADC12 die-casting aluminum	G3/4 pipe thread U-bracket	IP66

Mounting modes and dimensions:



Technical parameters:

Parameter items	50W	75W	100W
Input voltage (V)	90-305Vac	90-305Vac	90-305Vac
Power efficiency	≥95%	≥95%	≥95%
Power factor	≥0.95	≥0.95	≥0.95
Surge lightning protection (V)	6000	6000	6000
Total harmonic distortion	≤10%	≤10%	≤10%
Luminous efficiency for led (lm/W)	250	250	250
Light efficacy for luminaire (lm/W)	185	185	185
Competitive energy saving rate	45%	45%	45%
Total flux for luminaire (lm)	9250±5%	13875±5%	15500±5%
Correlated color temperature (K)	3000-6000	3000-6000	3000-6000
Color rendering index (Ra)	≥75	≥75	≥75
Beam angle (°)	120°	120°	120°
LED lifespan (h)	≥100000	≥100000	≥100000
Working temperature (°C)	-35°C - +40°C	-35°C - +40°C	-35°C - +40°C
Brand of led driver	Trismart led driver	Trismart led driver	Trismart led driver
Installation mode of led driver	built-in	built-in	built-in
IP protection	IP66	IP66	IP66
Modulars of lamp	/	/	/
Diameter of entry cable (mm)	φ7-φ12	φ7-φ12	φ7-φ12
Dimensions (mm)	φ173*200	φ200*210	φ245*280
Weight (Kg)	3	3.2	5
Mounting mode	G3/4 pipe thread/U-bracket	G3/4 pipe thread/U-bracket	G3/4 pipe thread/U-bracket
Warranty	5 years	5 years	5 years

Note: 1. According to GB 30255-2026: the luminous efficacy of Class 1 energy-efficient luminaire is 170-180 lm/W; for Class 2, it is 145-155 lm/W; and for Class 3, it is 100-110 lm/W.

2. Energy saving rate is compared with the conventional luminaire of class 3 energy efficiency rating.