

SEF380 **ultra-bright** explosionproof led floodlight



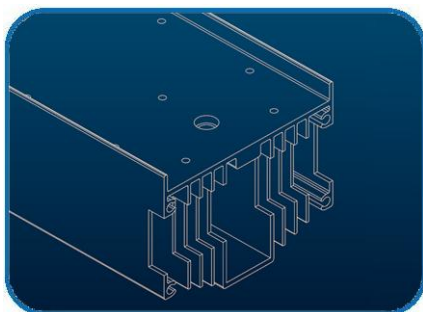
Applications:

- petrochemical plant platform
- oilfield drilling platform
- pipeline area lighting for petrochemical enterprises
- explosionproof high pole lamp
- oil depots, gas stations, filling stations
- pharmaceutical chemical, fine chemical, organic chemical and other enterprises explosionproof places
- other flammable and explosive sites

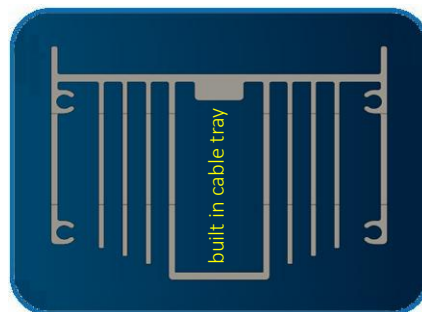
Description of performances:

- ATEX certification with explosionproof marking: II 3G Ex ec nC IIC T6 Gc which can be used in Zone 2 hazardous area.
- Adopting Philips ultra brightness led chips with the luminous efficiency of 230 lm/W.
- The precise light distribution lens is made of polycarbonate material with a transmittance of over 95%, and the light efficacy for luminaire is up to 180 lm/W.
- The beam angles are 60 °, 90 °, 120 ° and 150 ° * 80 ° available.
- Adopting 90-305V wide input led driver, the power efficiency can reach over 95%, with good resistance to voltage fluctuations and harmonic performance, low heat generation, and fast heat dissipation.
- The heat dissipation body adopts high thermal conductivity extruded aluminum alloy, with a large surface area and fast radiation heat dissipation. At the same time, the principle of convective heat dissipation is applied inside the heat dissipation body and between modules allowing heat to be carried away by air convection.
- The connecting cable between modules is built into the heat dissipation inner body, which is resistant to oil pollution and aging, greatly extending its service life.
- The external reverse installation mode is adopted for led driver separated from the heat dissipation body, which can not only make led driver dissipate heat faster, but also prevent led driver from being washed directly by rainstorm, further improving led driver's waterproof performance.
- The lamp adopts dark sky design, which does not produce light pollution to the environment.

Heat dissipation profile:



Ultra-bright 3030 led chip
(≥230lm/W)



extruded aluminum heat
dissipation module

Led driver:



hidden line module
(No exposed cables between modules)

Technical parameters:

Parameter items	50W	100W	150W	200W	250W
Input voltage (V)	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac
Power efficiency	≥95%	≥95%	≥95%	≥95%	≥95%
Power factor	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95
Surge lightning protection (V)	6000	6000	6000	6000	6000
Total harmonic distortion	≤10%	≤10%	≤10%	≤10%	≤10%
Luminous efficiency for led (lm/W)	230	230	230	230	230
Light efficacy for luminaire (lm/W)	180	180	180	180	180
Competitive energy saving rate	45%	45%	45%	45%	45%
Total flux for luminaire (lm)	9000±5%	18000±5%	27000±5%	36000±5%	45000±5%
Correlated color temperature (K)	3000-6000	3000-6000	3000-6000	3000-6000	3000-6000
Color rendering index (Ra)	≥75	≥75	≥75	≥75	≥75
Beam angle (°)	60°/90°/120°/150°*80°	60°/90°/120°/150°*80°	60°/90°/120°/150°*80°	60°/90°/120°/150°*80°	60°/90°/120°/150°*80°
LED lifespan (h)	≥100000	≥100000	≥100000	≥100000	100000
Working temperature (°C)	-35°C - +40°C	-35°C - +40°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	Trismart led driver	Trismart led driver
Installation mode of led driver	external	external	external	external	external
Quantity of modular (pcs)	1	2	3	4	5
IP protection	IP66	IP66	IP66	IP66	IP66
Dimensions (mm)	266*98*128	266*198*128	266*298*128	266*398*128	266*498*128
Weight (Kg)	2.2	3	4	5	6
Mounting mode	U-bracket	U-bracket	U-bracket	U-bracket	U-bracket
Warranty	5 years	5 years	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.

Product photos:



100W

150W

200W

250W