

WRTLE310 **ultra-bright** led explosionproof platform lighting



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

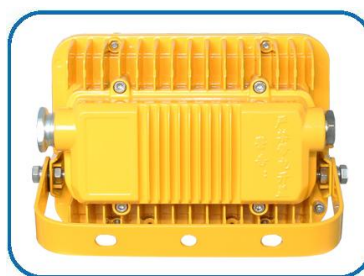
Description of performances:

Explosionproof marking	Hazardous area	Luminous efficiency for led	Light efficacy for luminaire	Competitive energy saving rate
ATEX certification II2 GD Ex d IIB T6 Gb II2 GD Ex tb IIIC T85°C Db	Zone 1 & Zone 2	250 lm/W	200 lm/W	50%
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	U-bracket Hanging rod	IP66

Product details:



50W/60W



80W/100W



150W/200W



150W/200W



300W/400W



two cavity separation design

Technical parameters:

Parameter items	50W	60W	80W	100W	150W	200W	300W	400W
Input voltage (V)	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac
Power efficiency	≥95%	≥95%	≥95%	≥95%	≥95%	≥95%	≥95%	≥95%
Power factor	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95
Surge lightning protection (V)	6000	6000	6000	6000	6000	6000	6000	6000
Luminous efficiency for led (lm/W)	250	250	250	250	250	250	250	250
Light efficacy for luminaire (lm/W)	200	200	200	200	200	200	200	200
Competitive energy saving rate	50%	50%	50%	50%	50%	50%	50%	50%
Total flux for luminaire (lm)	10000±5%	12000±5%	16000±5%	20000±5%	30000±5%	40000±5%	60000±5%	80000±5%
Correlated color temperature (K)	3000-6000	3000-6000	3000-6000	3000-6000	3000-6000	3000-6000	3000-6000	3000-6000
Color rendering index (Ra)	≥75	≥75	≥75	≥75	≥75	≥75	≥75	≥75
Beam angle (°)	90°-120°	90°-120°	90°-120°	90°-120°	90°-120°	90°-120°	90°-120°	90°-120°
LED lifespan (h)	≥100000	≥100000	≥100000	≥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	-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	Trismart led driver	Trismart led driver	Trismart led driver
Installation mode of led driver	built-in	built-in	built-in	built-in	built-in	built-in	built-in	built-in
IP protection	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66
Diameter of entry cable (mm)	φ7-φ12	φ7-φ12	φ7-φ12	φ7-φ12	φ7-φ12	φ7-φ12	φ7-φ12	φ7-φ12
Dimensions (mm)	215*158*103	215*158*103	265*215*114	265*215*114	320*240*185	320*240*185	320*480*185	320*480*185
Weight (Kg)	2.7	2.7	5.5	5.5	7.0	7.0	16.0	16.0
Mounting mode	U-bracket	U-bracket	U-bracket	U-bracket	U-bracket hanging rod	U-bracket hanging rod	U-bracket	U-bracket
Warranty	5 years	5 years	5 years	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.

Mounting modes and dimensions:

