

Z08 LED Tunnel Light

EXC-TL-Z08/EXC-TL-Z08T series

Version: R002



Introduction

- Adopts waterproof isolated switching power supply of famous brand, with high safety and reliability;
- Square design can expand the power in both directions at will;
- Lamp body surface outdoor electrostatic spraying process, corrosion resistance and weather resistance, applicable to a variety of complex environments;
- Glass and lens models are available, accurate lighting distribution, no glare;
- PLC/ZIGBEE and other intelligent control options;
- Anti-electrocution protection: Class I.



Glass Models

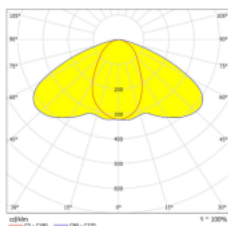


Lens Models

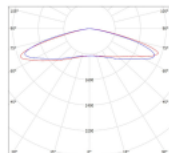
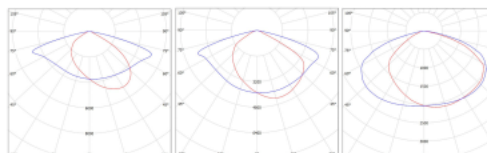
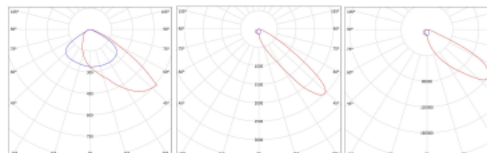
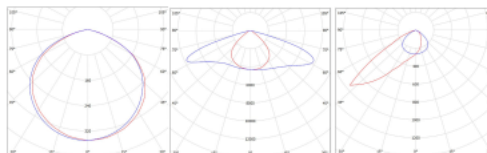
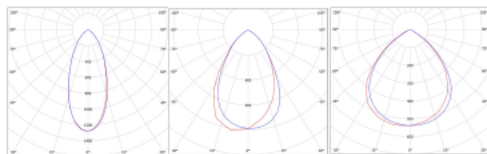
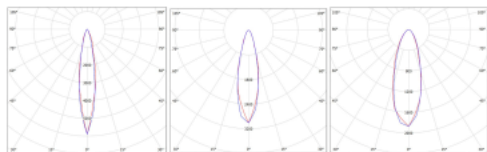


Lighting curve

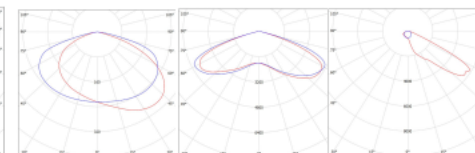
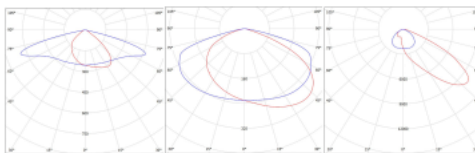
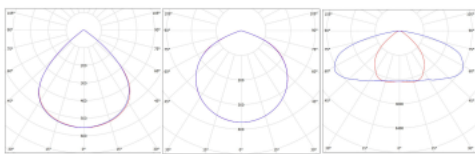
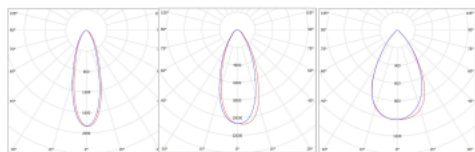
3030 LEDs (Lens Models)



3030 LEDs (Glass Model)

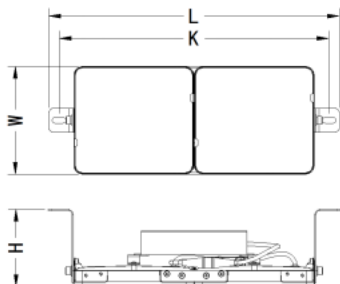


5050 LEDs (Glass Model)



Size

Model No.	Power(W)	Size (mm)			Screw size	Maximum windward area(m ²)	Weight (kg)
		L	W	H			
EXC-TL-Z08-040	40	285	180	130	M10	0.034	1.5/1.5
EXC-TL-Z08-050	50	285	180	130	M10	0.034	1.5/1.5
EXC-TL-Z08-060	60	285	180	130	M10	0.034	1.5/1.5
EXC-TL-Z08-070	70	285	180	130	M10	0.034	1.5/1.5
EXC-TL-Z08-080	80	485	180	130	M10	0.065	2.4/2.5
EXC-TL-Z08-100	100	485	180	130	M10	0.065	2.4/2.5
EXC-TL-Z08-120	120	485	180	130	M10	0.065	2.6/2.6
EXC-TL-Z08-140	140	485	180 <td 130	M10	0.065	2.6/2.6	
EXC-TL-Z08-150	150	690	180	140	M10	0.101	3.3/3.5
EXC-TL-Z08-180	180	690	180	140	M10	0.101	3.3/3.5
EXC-TL-Z08-200	200	690	180	140	M10	0.101	3.5/3.5
EXC-TL-Z08-210	210	690	180	140	M10	0.101	3.5/3.5
EXC-TL-Z08-240	240	890	180	140	M10	0.134	4.2/4.8
EXC-TL-Z08-280	280	890	180	140	M10	0.134	4.2/4.8
EXC-TL-Z08-300	300	1090	180	140	M10	0.167	5.5/6.0
EXC-TL-Z08-350	350	1090	180	140	M10	0.167	5.5/6.0



Performance

Model No.	EXC-TL-Z08							
Power(W)	40	50	60	70	80	100	120	140
Voltage (V)	90-305Vac							
Frequency (Hz)	50/60Hz \pm 3Hz							
PF	\geq 0.95							
Driver efficiency	\geq 0.9							
Rated input voltage	220Vac							
Input voltage range	90-305Vac							
Maximum input current (A)	0.48	0.60	0.72	0.85	0.97	1.21	1.45	1.69
Harmonic distortion	< 15%							
LED chip	EMC3030、5050							
Driver	Moso、Inventronic、Sosen、Meanwell、ASMedia							
Lighting efficiency for whole lamp (lm/W)	\geq 130-180							
Ra	>70							
CCT	3000K/4000K/5000K/5700K							
Lighting angle	See "Lighting Curves" for details.							
Tc (°C)	\leq 80 (Ta=25°C)							
Working temperature (°C)	-40~+50							
Working humidity	10%-90%							
Lifespan (H)	50000							
IK degree	IK08							
IP degree	IP66							
N.W(kg)	1.5	1.5	1.5	1.5	2.4	2.5	2.6	2.6
G.W(kg)	5.8	5.8	5.8	5.8	6.4	6.6	6.8	6.8
Size (mm)	285*180*130		285*180*130		485*180*130		485*180*130	
Carton size (mm)/pcs	465*370*270		465*370*270		570*295*275		570*295*275	
Material	ADC12/PC/Glass							
Installation method	Bracket							

Performance

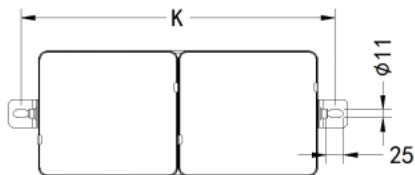
Model No.	EXC-TL-Z08							
Power(W)	150	180	200	210	240	280	300	350
Voltage (V)	90-305Vac							
Frequency (Hz)	50/60Hz ±3Hz							
PF	≥0.95							
Driver efficiency	≥0.9							
Rated input voltage	220Vac							
Input voltage range	90-305Vac							
Maximum input current (A)	1.81	2.17	2.42	2.54	2.90	3.38	3.62	4.23
Hammonic distortion	< 15%							
LED chip	EMC3030、5050							
Driver	Moso、Inventronic、Sosen、Meanwell、ASMedia							
Lighting efficiency for whole lamp (lm/W)	≥130-180							
Ra	>70							
CCT	3000K/4000K/5000K/5700K							
Lighting angle	60°/120°/130°65°/147°70°							
Tc (°C)	≤80 (Ta=25°C)							
Working temperature (°C)	-40~+50							
Working humidity	10%-90%							
Lifespan (H)	50000							
IK degree	IK08							
IP degree	IP66							
N.W(kg)	3.3	3.5	3.5	3.5	4.2	4.8	5.5	6.0
G.W(kg)	8.6	9.0	9.0	9.0	10.8	12	13.8	14.8
Size (mm)	690*180*140		690*180*140		890*180*140		1090*180*140	
Carton size (mm)/pcs	775*295*275		775*295*275		975*295*275		1175*295*275	
Material	ADC12/SPCC/PC/Tempered Glass							
Installation method	Bracket							

Performance

Model No.	EXC-TL-Z08							
Power(W)	40	50	60	70	80	100	120	140
Voltage (V)	90-305Vac							
Frequency (Hz)	50/60Hz ±3Hz							
PF	≥0.95							
Driver efficiency	≥0.9							
Rated input voltage	220Vac							
Input voltage range	90-305Vac							
Maximum input current (A)	0.48	0.60	0.72	0.85	0.97	1.21	1.45	1.69
Harmonic distortion	< 15%							
LED chip	EMC3030, 5050							
Driver	Moso, Inventronic, Sosen, Meanwell, ASMedia							
Lighting efficiency for whole lamp (lm/W)	≥130-180							
Ra	>70							
CCT	3000K/4000K/5000K/5700K							
Lighting angle	See "Lighting Curves" for details.							
Tc (°C)	≤80 (Ta=25°C)							
Working temperature (°C)	-40~+50							
Working humidity	10%-90%							
Lifespan (H)	50000							
IK degree	IK08							
IP degree	IP66							
N.W(kg)	1.5	1.5	1.5	1.5	2.4	2.5	2.6	2.6
G.W(kg)	5.8	5.8	5.8	5.8	6.4	6.6	6.8	6.8
Size (mm)	285*180*130		285*180*130		485*180*130		485*180*130	
Carton size (mm)/pcs	465*370*270		465*370*270		570*295*275		570*295*275	
Material	ADC12/PC/Glass							
Installation method	Bracket							

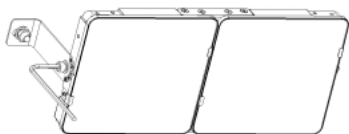
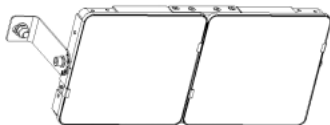
Installation

1: Play M10 expansion bolts on the mounting surface according to the holes of the lamp mounting bracket shown on the right (see the list for details of size K), or make the fixing bracket according to the holes.



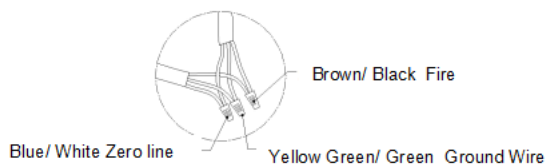
Power (W)	Mounting hole distance K(mm)
40/50/60/70/80	250
100/120/140/150	451
180/200/210	653
240/280	854
300/350	1055

2: Secure the fixture to the mounting surface with an adjustable wrench.



3: Use an M8 Allen wrench to loosen the screws on the brackets on both sides of the fixture, adjust the fixture to the desired projection angle, and then tighten the screws.

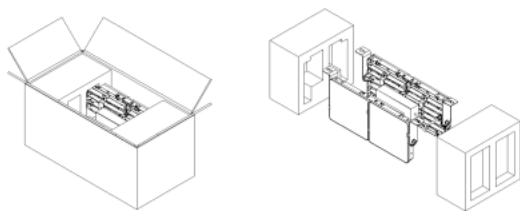
4: Connect the input cable of the fixture to the mains cable and connect the corresponding wires as shown in the diagram, making sure that the colors of the wires are the same (please refer to the detail drawing). After the connection, it is necessary to make corresponding waterproof and anti-pulling treatment.



Warnings:

1. It is strictly prohibited to install the lamps with electricity!
2. The lamps should be reliably grounded.

Packaging



Attentions

1. Any form of installation/uninstallation or maintenance and electrical work must only be performed by a qualified electrician.
2. All wiring should be done after cutting off the power.
3. The street light must be grounded.
4. Always keep the lens/diffuser of the product cleaned to maintain good light transmission.
5. Always keep the shell of light cleaned to maintain good heat dissipation.
6. Cleaning must only be done with dry or wet cloth and the high bay should not be exposed to corrosive substance.
7. High voltage inside the fixture, please do not disassemble it, serious electric shock may occur otherwise.



Shenzhen EXC-LED Technology Co., Ltd

EXC Industrial Park, No. 589 Kenong Road, Tangjia Community,
Fenghuang Street, Guangming District, Shenzhen, China