



VT Series

VT2F-020/030-AW-XXK-YY

VT4F-030/040/050/060-AW-XXK-YY



Description:

VT series is usually used in environment which require water-proof,dust-proof,slight corrosion-proof lighting, and it is widely used in parking lot,food factory, dust factory, cold storage, station and other indoor places; VT series lamp can be ceiling mounted or suspension mounted;the lamp adopt PC as eco-friendly material,and it can work stably in different environment;the lamp adopt LEDs of high lighting effect up to 150LM/W, and it can save energy 70% above.Built-in sensor, beautiful appearance, convenient to install, suitable for different applications. Power supply with iron shell, equipped with high quality LEDs, lifespan up to 50,000 hours.

Features:

- 1.Knob buckle, easy to operate; add shockproof and anti-loose bumping, more securely;
- 2.Screwless wire connection, tool free (press type wiring);
- 3.Power supply cooling via metal shell, better cooling effect than plastic shell;
- 4.Adopt CLASS P power supply,more flexible choice;
- 5.Milky white cover and strips cover optional;
- 6.Plastic buckle and metal buckle optional;
- 7.When installation, the buckle can hang the PC cover, convenient to connect wire;
- 8.Plastic PG13.5 and quick-connect terminal optional;
- 9.High transmittance top cover, high lighting effect,uniform and soft light;
- 10.Plastic shell, low weight, suitable for ceiling and suspension installation;
- 11.PC cover,impact resistance,IK08;
- 12.Operating environment temperature:-20°C- 45°C;
- 13.Corrosion-proof grade: slight protection.



Technical parameters:

Model	Model	Lumen (lm) (±10%)	Beam angle	LED Type	Voltage frequency	Power(w) (±10%)	Max. current (A)	CRI	PF
VT2F-020-AW-50K-D01	5000K	2760	120°	SMD2835	AC100-277V 50/60Hz	20	0.3A	≥80	≥0.9
VT2F-020-AW-40K-D01	4000K	2700	120°						
VT2F-020-AW-35K-D01	3500K	2600	120°						
VT2F-020-AW-30K-D01	3000K	2600	120°						
VT2F-020-AW-50K-D02	5000K	2640	120°						
VT2F-020-AW-40K-D02	4000K	2600	120°						
VT2F-020-AW-35K-D02	3500K	2540	120°						
VT2F-020-AW-30K-D02	3000K	2540	120°						
VT2F-030-AW-50K-D01	5000K	4140	120°	SMD2835	AC100-277V 50/60Hz	30	0.4A	≥80	≥0.9
VT2F-030-AW-40K-D01	4000K	4050	120°						
VT2F-030-AW-35K-D01	3500K	3900	120°						
VT2F-030-AW-30K-D01	3000K	3900	120°						
VT2F-030-AW-50K-D02	5000K	3960	120°						
VT2F-030-AW-40K-D02	4000K	3900	120°						
VT2F-030-AW-35K-D02	3500K	3810	120°						
VT2F-030-AW-30K-D02	3000K	3810	120°						
VT4F-030-AW-50K-D01	5000K	4140	120°	SMD2835	AC100-277V 50/60Hz	30	0.4A	≥80	≥0.9
VT4F-030-AW-40K-D01	4000K	4050	120°						
VT4F-030-AW-35K-D01	3500K	3900	120°						
VT4F-030-AW-30K-D01	3000K	3900	120°						
VT4F-030-AW-50K-D02	5000K	3960	120°						
VT4F-030-AW-40K-D02	4000K	3900	120°						
VT4F-030-AW-35K-D02	3500K	3810	120°						
VT4F-030-AW-30K-D02	3000K	3810	120°						
VT4F-040-AW-50K-D01	5000K	5520	120°	SMD2835	AC100-277V 50/60Hz	40	0.5A	≥80	≥0.9
VT4F-040-AW-40K-D01	4000K	5400	120°						
VT4F-040-AW-35K-D01	3500K	5200	120°						
VT4F-040-AW-30K-D01	3000K	5200	120°						
VT4F-040-AW-50K-D02	5000K	5280	120°						
VT4F-040-AW-40K-D02	4000K	5200	120°						
VT4F-040-AW-35K-D02	3500K	5080	120°						
VT4F-040-AW-30K-D02	3000K	5080	120°						
VT4F-050-AW-50K-D01	5000K	6900	120°	SMD2835	AC100-277V 50/60Hz	50	0.6A	≥80	≥0.9
VT4F-050-AW-40K-D01	4000K	6750	120°						
VT4F-050-AW-35K-D01	3500K	2650	120°						
VT4F-050-AW-30K-D01	3000K	6500	120°						
VT4F-050-AW-50K-D02	5000K	6600	120°						
VT4F-050-AW-40K-D02	4000K	6500	120°						
VT4F-050-AW-35K-D02	3500K	6350	120°						
VT4F-050-AW-30K-D02	3000K	6350	120°						
VT4F-060-AW-50K-D01	5000K	8280	120°	SMD2835	AC100-277V 50/60Hz	60	0.7A	≥80	≥0.9
VT4F-060-AW-40K-D01	4000K	8100	120°						
VT4F-060-AW-35K-D01	3500K	7800	120°						
VT4F-060-AW-30K-D01	3000K	7800	120°						
VT4F-060-AW-50K-D02	5000K	7920	120°						
VT4F-060-AW-40K-D02	4000K	7800	120°						
VT4F-060-AW-35K-D02	3500K	7620	120°						
VT4F-060-AW-30K-D02	3000K	7620	120°						

D01=0-10V normal type with stripes cover series
D02=0-10V normal type with milky cover series



Technical parameters of sensor series :

Model	Model	Lumen (lm) (±10%)	Beam angle	LED Type	Voltage frequency	Power(w) (±10%)	Max. current (A)	CRI	PF
VT2F-020-AW-50K-S01	5000K	3040	120°	SMD2835	AC100-277V 50/60Hz	20	0.3A	≥80	≥0.9
VT2F-020-AW-40K-S01	4000K	2900	120°						
VT2F-020-AW-35K-S01	3500K	2700	120°						
VT2F-020-AW-30K-S01	3000K	2700	120°						
VT2F-020-AW-50K-S02	5000K	2940	120°						
VT2F-020-AW-40K-S02	4000K	2860	120°						
VT2F-020-AW-35K-S02	3500K	2600	120°						
VT2F-020-AW-30K-S02	3000K	2540	120°						
VT2F-030-AW-50K-S01	5000K	4410	120°	SMD2835	AC100-277V 50/60Hz	30	0.4A	≥80	≥0.9
VT2F-030-AW-40K-S01	4000K	4260	120°						
VT2F-030-AW-35K-S01	3500K	4050	120°						
VT2F-030-AW-30K-S01	3000K	4050	120°						
VT2F-030-AW-50K-S02	5000K	4350	120°						
VT2F-030-AW-40K-S02	4000K	4200	120°						
VT2F-030-AW-35K-S02	3500K	3900	120°						
VT2F-030-AW-30K-S02	3000K	3900	120°						
VT4F-030-AW-50K-S01	5000K	4560	120°	SMD2835	AC100-277V 50/60Hz	30	0.4A	≥80	≥0.9
VT4F-030-AW-40K-S01	4000K	4350	120°						
VT4F-030-AW-35K-S01	3500K	4050	120°						
VT4F-030-AW-30K-S01	3000K	4050	120°						
VT4F-030-AW-50K-S02	5000K	4410	120°						
VT4F-030-AW-40K-S02	4000K	4290	120°						
VT4F-030-AW-35K-S02	3500K	3900	120°						
VT4F-030-AW-30K-S02	3000K	3900	120°						
VT4F-040-AW-50K-S01	5000K	5880	120°	SMD2835	AC100-277V 50/60Hz	40	0.5A	≥80	≥0.9
VT4F-040-AW-40K-S01	4000K	5680	120°						
VT4F-040-AW-35K-S01	3500K	5400	120°						
VT4F-040-AW-30K-S01	3000K	5400	120°						
VT4F-040-AW-50K-S02	5000K	5800	120°						
VT4F-040-AW-40K-S02	4000K	5600	120°						
VT4F-040-AW-35K-S02	3500K	5200	120°						
VT4F-040-AW-30K-S02	3000K	5200	120°						
VT4F-050-AW-50K-S01	5000K	7350	120°	SMD2835	AC100-277V 50/60Hz	50	0.6A	≥80	≥0.9
VT4F-050-AW-40K-S01	4000K	7100	120°						
VT4F-050-AW-35K-S01	3500K	6750	120°						
VT4F-050-AW-30K-S01	3000K	6750	120°						
VT4F-050-AW-50K-S02	5000K	7250	120°						
VT4F-050-AW-40K-S02	4000K	7000	120°						
VT4F-050-AW-35K-S02	3500K	6500	120°						
VT4F-050-AW-30K-S02	3000K	6500	120°						
VT4F-060-AW-50K-S01	5000K	8400	120°	SMD2835	AC100-277V 50/60Hz	60	0.7A	≥80	≥0.9
VT4F-060-AW-40K-S01	4000K	8220	120°						
VT4F-060-AW-35K-S01	3500K	7980	120°						
VT4F-060-AW-30K-S01	3000K	7980	120°						
VT4F-060-AW-50K-S02	5000K	8280	120°						
VT4F-060-AW-40K-S02	4000K	8100	120°						
VT4F-060-AW-35K-S02	3500K	7800	120°						
VT4F-060-AW-30K-S02	3000K	7800	120°						

S01=Sensing normal type with stripes cover series
S02=Sensing normal type with milky cover series

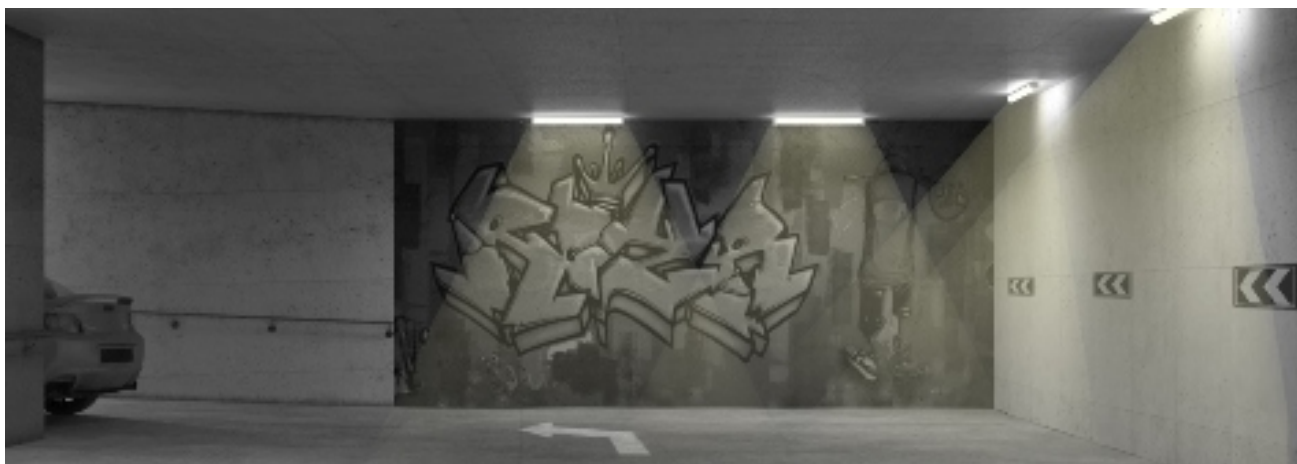


Sensor function introduction

The sensor series VT tri-proof lamp integrate microwave moving sensor, it detect moving object via emitting and receiving high-frequency microwave which conform to ISM 5.8Hz according to doppler frequency shift principle. The detection signal can penetrate plastic, glass, wood panel and other thin non-metal objects. Long detection distance, wide detection angle, it won't be affected by environment noise, temperature, humidity, and it can detect any moving objects.



After moving object is detected, the lamp output 100% brightness and hold some time.



If moving object is not detected again, brightness is decreased as 30% after some time.

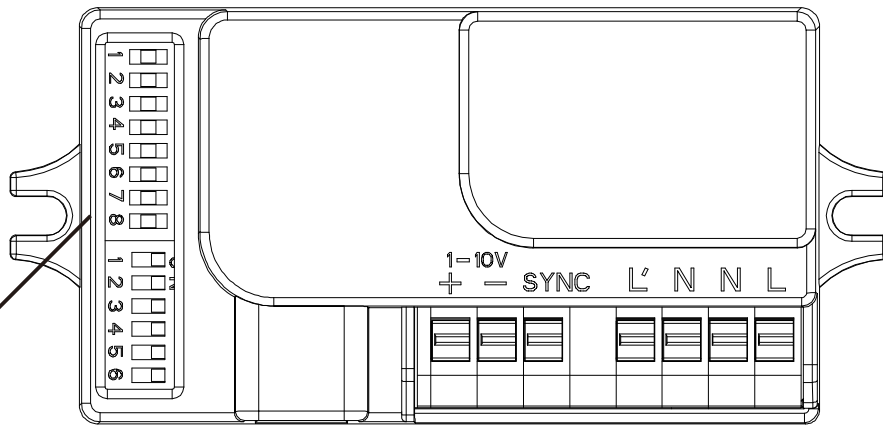


If moving object is not detected all the time, the lamp shutdown output.



Sensor function setting

The detection range, holding time, standby cycle, standby brightness, light function of sensor can be chosen via setting dialing switch on sensor.



ON		1	2	
I	ON	ON	100%	
II	-	ON	75%	
III	ON	-	50%	
IV	-	-	25%	

Detection range

The detection range can be chosen via setting combination of dialing switch, which conform to more accurate detection range requirement.
Factory default setting: 100%

ON		3	4	5	
I	ON	ON	ON	5S	
II	-	ON	ON	30S	
III	ON	-	ON	90S	
IV	-	-	ON	3min	
V	ON	ON	-	20min	
VI	-	-	-	+∞	

Holding time

Keeping time that 100% brightness output of lamp after moving object is not detected.
Factory default setting: 3min

ON		6	7	8	
I	ON	ON	ON	0S	
II	-	ON	ON	5S	
III	ON	-	ON	5min	
IV	-	-	ON	10min	
V	ON	ON	-	30min	
VI	-	ON	-	1h	
VII	-	-	-	+∞	

Standby cycle

After moving object is not detected for long time, after holding time of 100% brightness, the lamp enter into standby time of low brightness. If "+8" mode is set, the lamp will keep slight light when moving object is not detected.
Factory default clock: +8

ON		1	2	
I	ON	ON	50%	
II	-	ON	30%	
III	ON	-	20%	
IV	-	-	10%	

Standby brightness

Standby brightness is output brightness of lamp when moving object is not detected for long time after holding time of 100% brightness.
Factory default setting: 30%

ON		3	4	5	6	
I	ON	ON	ON	ON	5Lux	
II	-	ON	ON	ON	15Lux	
III	ON	-	ON	ON	30Lux	
IV	-	-	ON	ON	50Lux	
V	ON	ON	-	ON	100Lux	
VI	ON	ON	ON	-	150Lux	
VII	-	-	-	-	Disable	

Light sensor

The lamp can be set as: the lamp is permitted to be turned on when environment brightness is lower than setting threshold. If disable mode is set, the lamp will be turned on when detect moving object in any environment brightness.
Note: the light sensor will work when lamp is turned off totally.
Factory default setting: disable

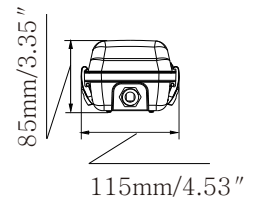
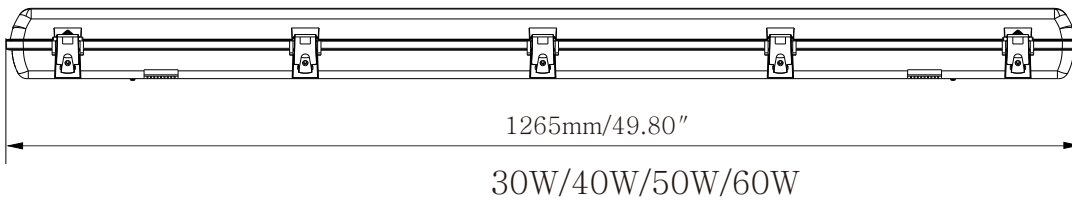
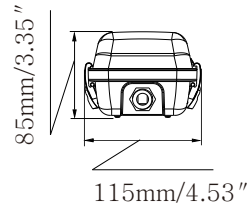
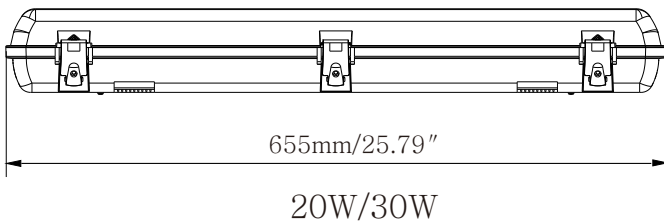


Main application :

Tri-proof light can be used in warehouse, parking lot, shopping mall, farm, food factory, cold storage, metro, underground passage and other places.

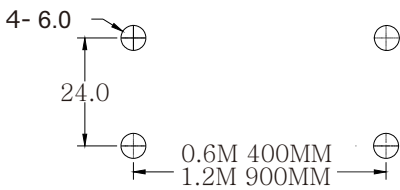
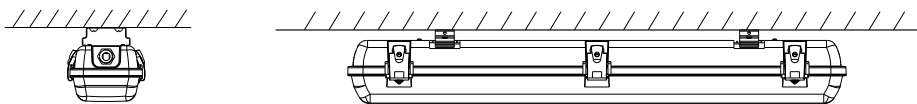


Dimension(Unit:mm):

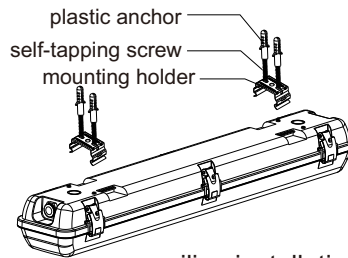


Installation figure:

Ceiling installation A

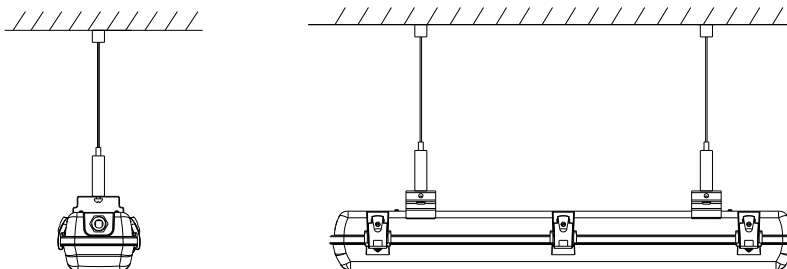


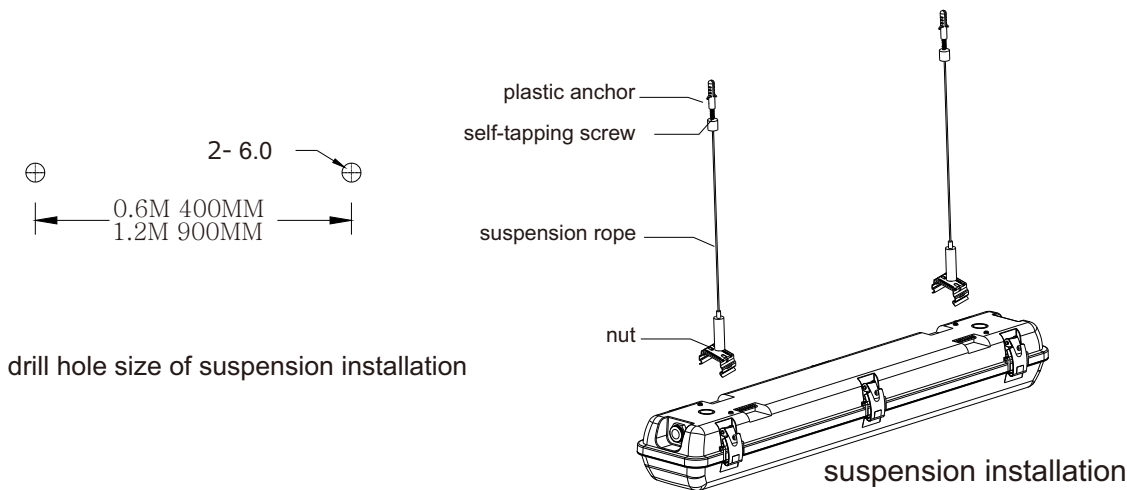
drill hole size of ceiling installation



ceiling installation

Suspension installation B





Package information :

product dimension	Inner packaging dimension	Outer carton dimension	Net weight	Gross weight	Qty.
0.6 m	670*130*100mm	690*540*320mm	1.00Kg	1.30Kg	12pcs/Carton
1.2 m	1280*130*100mm	1300*410*220mm	1.80Kg	2.40Kg	6pcs/Carton

Installation requirement:

- 1.Power off before installation;
- 2.First make sure the installation material can endure the weight of light,securely fix the lamp on the installation surface with bolts, then fix the light to the hook of clamp with bolts;
- 3.Connect the lamp wire to the wire of power supply, and process the joint with insulation sealing;
- 4.If you choose suspension installation, please first fix the steel wire on the installation surface, then fix the lamp body to the ring of steel wire with bolts, finally adjust the length of steel wire.

! Notice:

- 1.Please first read the product specification carefully, make sure the using environment conform to specification, then it can be used;
- 2.Please confirm input voltage,frequency before use;
- 3.The lamp must be installed by professionals;
- 4.If there is any damage to the power wire or shell of the product, it should be taken as defective product and do not use it;
5. Dangerous high voltage,non-professionals are not allowed to maintain the product;
6. If external soft cable or soft wire of the light is damaged, it should be replaced by manufacturer or service agent or personnel with similar qualification to avoid danger;
7. When connect wire of AC, the terminal shouldn't press to external skin, ensure good contact;
8. Please do not let water enter the interior, please do not collide with the LEDs' surface;
9. Corrosivity in the using environment can't exceed the anti-corrosion grade regulation, if you have special requirement, please first consult with our company.