

## VL Series

**VL2F-020/030-AW-XXK-YY**

**VL4F-030/040/050/060-AW-XXK-YY**



### Technical parameters:

Model	Model	Lumen (lm) (±10%)	Beam angle	LED Type	Voltage frequency	Power(w) (±10%)	Max. current (A)	CRI	PF
VL2F-020-AW-50K-D01	5000K	2760	120°	SMD2835	AC100-277V 50/60Hz	20	0.3A	≥80	≥0.9
VL2F-020-AW-40K-D01	4000K	2700	120°						
VL2F-020-AW-35K-D01	3500K	2600	120°						
VL2F-020-AW-30K-D01	3000K	2600	120°						
VL2F-020-AW-50K-D02	5000K	2640	120°						
VL2F-020-AW-40K-D02	4000K	2600	120°						
VL2F-020-AW-35K-D02	3500K	2540	120°						
VL2F-020-AW-30K-D02	3000K	2540	120°						

Model	Model	Lumen (lm) (±10%)	Beam angle	LED Type	Voltage frequency	Power(w) (±10%)	Max. current (A)	CRI	PF
VL4F-030-AW-50K-D01	5000K	4140	120°	SMD2835	AC100-277V 50/60Hz	30	0.4A	≥80	≥0.9
VL4F-030-AW-40K-D01	4000K	4050	120°						
VL4F-030-AW-35K-D01	3500K	3900	120°						
VL4F-030-AW-30K-D01	3000K	3900	120°						
VL4F-030-AW-50K-D02	5000K	3960	120°						
VL4F-030-AW-40K-D02	4000K	3900	120°						
VL4F-030-AW-35K-D02	3500K	3810	120°						
VL4F-030-AW-30K-D02	3000K	3810	120°						
VL4F-040-AW-50K-D01	5000K	5520	120°	SMD2835	AC100-277V 50/60Hz	40	0.5A	≥80	≥0.9
VL4F-040-AW-40K-D01	4000K	5400	120°						
VL4F-040-AW-35K-D01	3500K	5200	120°						
VL4F-040-AW-30K-D01	3000K	5200	120°						
VL4F-040-AW-50K-D02	5000K	5280	120°						
VL4F-040-AW-40K-D02	4000K	5200	120°						
VL4F-040-AW-35K-D02	3500K	5080	120°						
VL4F-040-AW-30K-D02	3000K	5080	120°						
VL4F-050-AW-50K-D01	5000K	6900	120°	SMD2835	AC100-277V 50/60Hz	50	0.6A	≥80	≥0.9
VL4F-050-AW-40K-D01	4000K	6750	120°						
VL4F-050-AW-35K-D01	3500K	2650	120°						
VL4F-050-AW-30K-D01	3000K	6500	120°						
VL4F-050-AW-50K-D02	5000K	6600	120°						
VL4F-050-AW-40K-D02	4000K	6500	120°						
VL4F-050-AW-35K-D02	3500K	6350	120°						
VL4F-050-AW-30K-D02	3000K	6350	120°						
VL4F-060-AW-50K-D01	5000K	8280	120°	SMD2835	AC100-277V 50/60Hz	60	0.7A	≥80	≥0.9
VL4F-060-AW-40K-D01	4000K	8100	120°						
VL4F-060-AW-35K-D01	3500K	7800	120°						
VL4F-060-AW-30K-D01	3000K	7800	120°						
VL4F-060-AW-50K-D02	5000K	7920	120°						
VT4F-060-AW-40K-D02	4000K	7800	120°						
VT4F-060-AW-35K-D02	3500K	7620	120°						
VL4F-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

### Sensor function introduction

The sensor series VL 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.



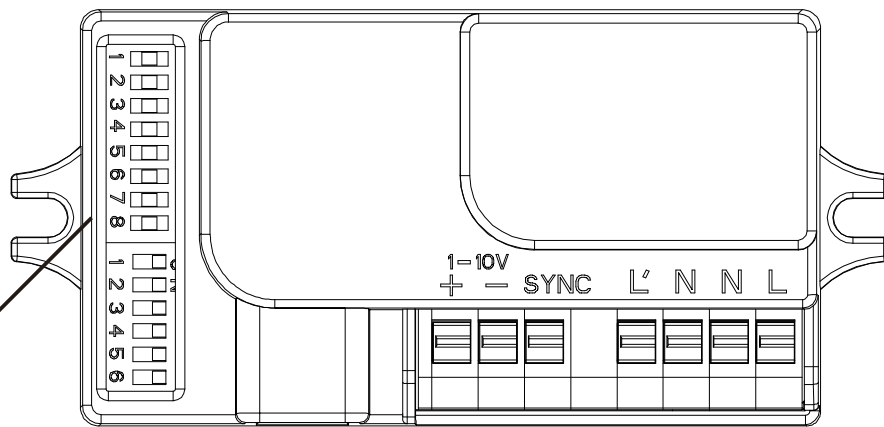
If moving object is not detected again, brightness is decreased as 30% after some time.



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.



	1	2	
ON	ON	ON	100%
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%

	3	4	5	
ON	ON	ON	ON	5S
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

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

	1	2	
ON	ON	ON	50%
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%

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

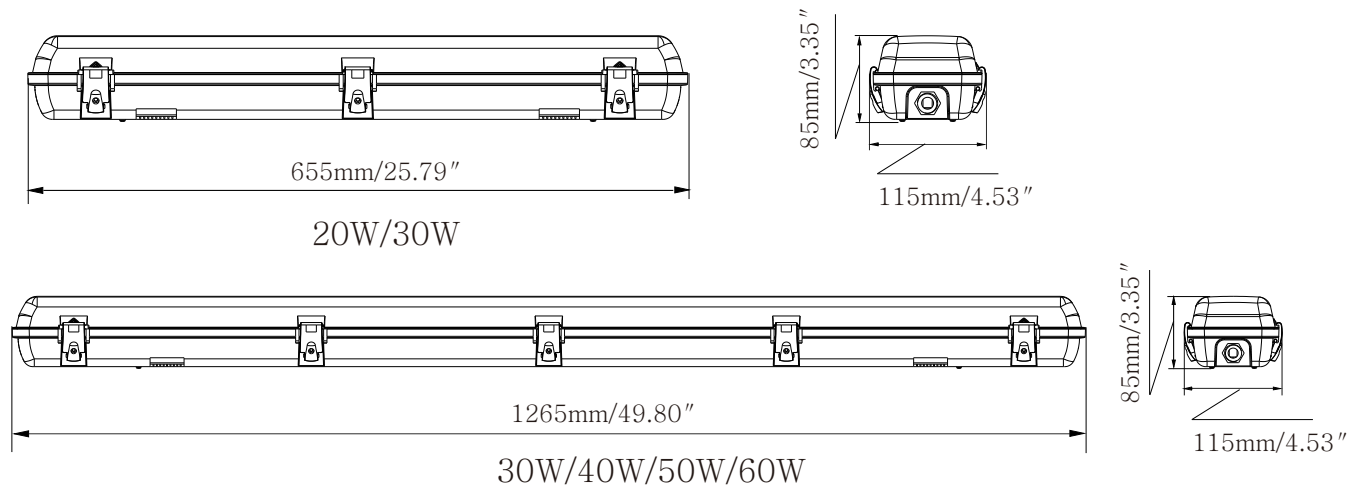


## Main application :

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

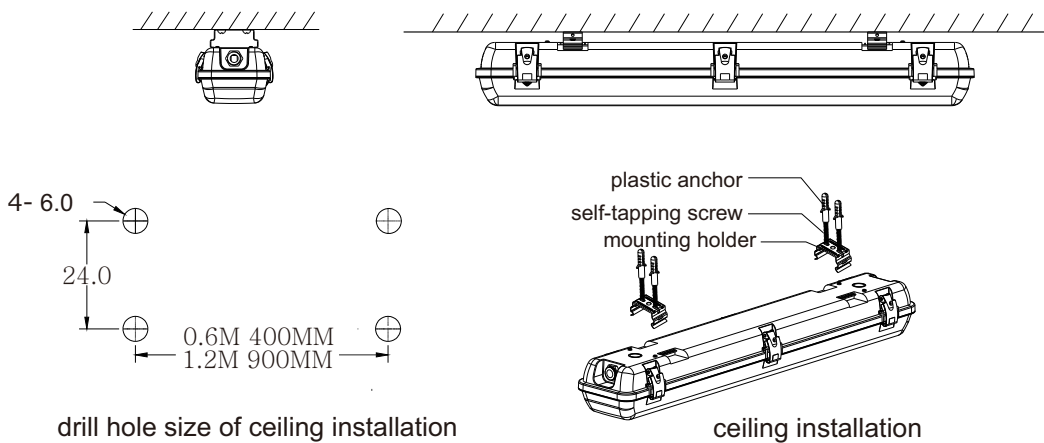


## Dimension(Unit:mm):

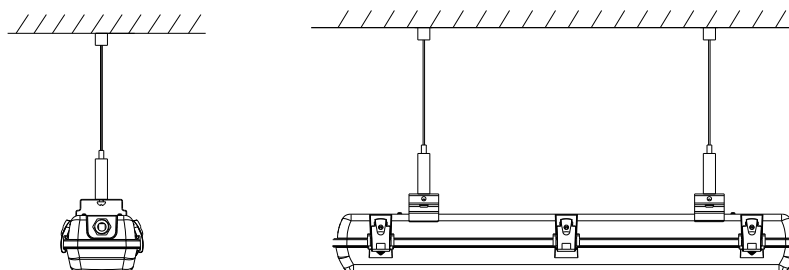


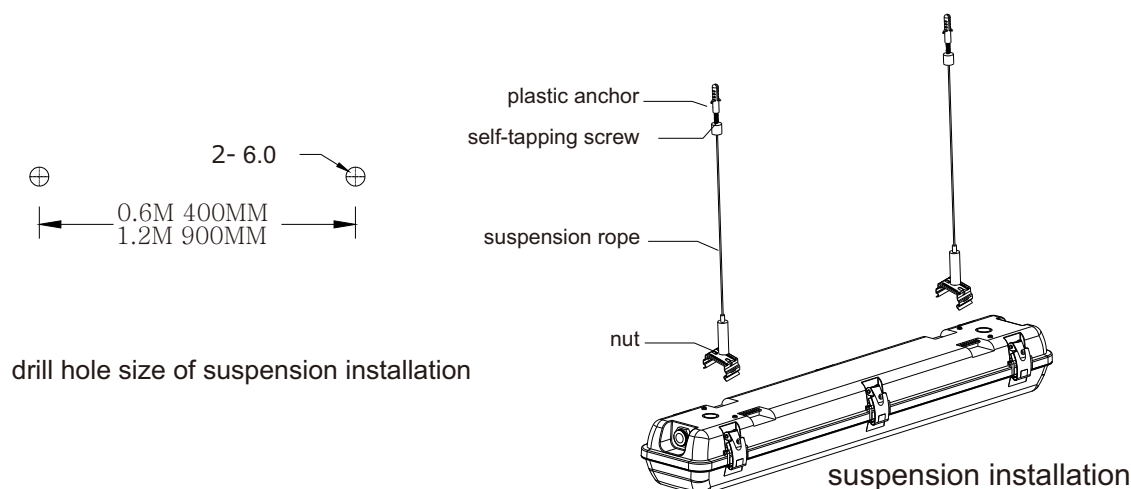
## Installation figure:

### Ceiling installation A



### 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.