



# Spark lights Series

SP-050/080/100/120/150/200-AW-XXK-ZYYY



## Description:

Street lighting is a core piece of urban and rural infrastructure ,it can be used to promote security in urban areas and increase the quality of life by artificially extending the hours in which it is light so that activity can take place .street lighting also improves safety for drivers, riders,and pedestrians.

## Features:

- 1.The lamp body adopts pressure casting. It is safe and reliable.
- 2.The back of heat sink adopts smooth design, which can clean the accumulated dust naturally.
- 3.Full Waterproofing structure: Ip65.
- 4.The outdoor power spraying is resistant to corrosion and ultraviolet ray.
- 5.The optical grade PC lens and glass cover forms excellent light distribution effect.
- 6.Various angle light distributions,is applicable to lane lighting of different quantities.
- 7.Multiple installation modes are available for installation of the mounting bracket.
- 8.Adjustable installation angles.
- 9.The inside is provided with level gauge. It is easy for construction.
- 10.Withstand voltage: 10KV.



## Model Selection of the Product:

SP	XXX	AW	XXK	ZYYY
Family	Power: 50 80 100 120 150 200	AW: 100-277V	Color : 30K 40K 50K 65K	D2:150*90° D3:150*100° D4:140*110°  S2:Sensor 150*90° S3:Sensor 150*100° S4:Sensor 140*110°  Third: Y=0 (125Lm/W) Y=1 (145Lm/W)  Fourth : G:Gray B:Black W:White

## Specifications:

Model	Color	Lumen(lm) (±10%)	Beam (angle°)	LED Type	Power(w) (±10%)	Voltage, Frequency	Current	CRI	PF
SP-050-AW-65K-ZYYY	6500K	6400	150*90° 150*100° 140*110°	SMD 2835	50	AC100-277V 50/60Hz	0.6A	> 80	≥0.9
SP-050-AW-50K-ZYYY	5000K	6500							
SP-050-AW-40K-ZYYY	4000K	6550							
SP-050-AW-30K-ZYYY	3000K	6000							
SP-080-AW-65K-ZYYY	6500K	10000	150*90° 150*100° 140*110°	SMD 2835	80	AC100-277V 50/60Hz	0.9A	> 80	≥0.9
SP-080-AW-50K-ZYYY	5000K	10100							
SP-080-AW-40K-ZYYY	4000K	10200							
SP-080-AW-30K-ZYYY	3000K	9800							
SP-100-AW-65K-ZYYY	6500K	12000	150*90° 150*100° 140*110°	SMD 2835	100	AC100-277V 50/60Hz	1.2A	> 80	≥0.9
SP-100-AW-50K-ZYYY	5000K	12200							
SP-100-AW-40K-ZYYY	4000K	12300							
SP-100-AW-30K-ZYYY	3000K	11500							
SP-120-AW-65K-ZYYY	6500K	15300	150*90° 150*100° 140*110°	SMD 2835	120	AC100-277V 50/60Hz	1.4A	> 80	≥0.9
SP-120-AW-50K-ZYYY	5000K	15500							
SP-120-AW-40K-ZYYY	4000K	15700							
SP-120-AW-30K-ZYYY	3000K	15000							
SP-150-AW-65K-ZYYY	6500K	18800	150*90° 150*100° 140*110°	SMD 2835	150	AC100-277V 50/60Hz	1.8A	> 80	≥0.9
SP-150-AW-50K-ZYYY	5000K	19200							
SP-150-AW-40K-ZYYY	4000K	19000							
SP-150-AW-30K-ZYYY	3000K	18000							
SP-200-AW-65K-ZYYY	6500K	26300	150*90° 150*100° 140*110°	SMD 2835	200	AC100-277V 50/60Hz	2.3A	> 80	≥0.9
SP-200-AW-50K-ZYYY	5000K	26500							
SP-200-AW-40K-ZYYY	4000K	26700							
SP-200-AW-30K-ZYYY	3000K	25200							

0-10V dimmable: 10%-100% brightness dimmable



## Photocell function

Light sensing series: when environment illumination is lower than 6Lux, the lamp will switch on in 20 seconds; when environment illumination is higher than 50Lux, the lamp will switch off in 20 seconds.

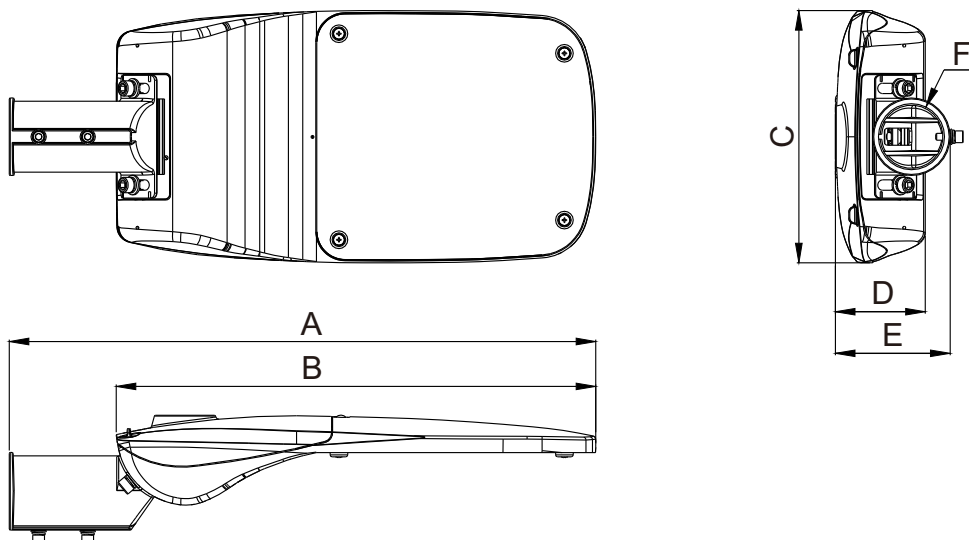
### Application:

This product is used for outdoor main lighting, including urban streets, highways, parking lots outside malls, and small stadiums.





### Dimension (Unit:mm/inch):



P/N	A	B	C	D	E	F
50W	484/19.05"	374/14.73"	230/9.05"	89/3.5"	114/4.49"	Ø67/Ø2.6"
80W/100W	550/21.65"	440/17.52"	230/9.05"	89/3.5"	114/4.49"	Ø67/Ø2.6"
120W/150W	600/23.62"	490/19.29"	258/10.15"	92/3.62"	117/4.6"	Ø67/Ø2.6"
200W	655/25.78"	545/21.45"	320/12.59"	96/3.78"	112/4.8"	Ø67/Ø2.6"

### Accessories series :



External Tenon Reducer for Round Poles



Internal Tenon Adaptor For Square Poles



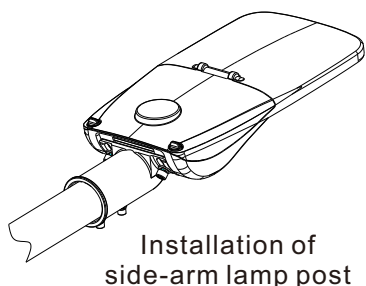
Square to Round pole-2 heads



Square to Round pole-4 heads

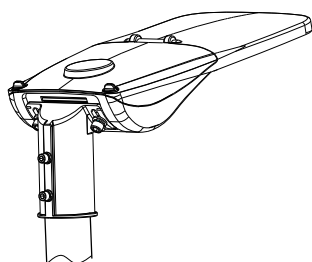
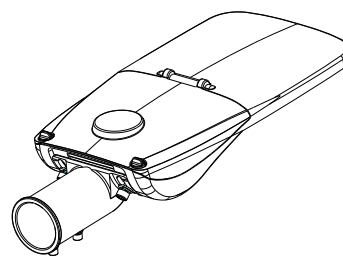


## Installation:



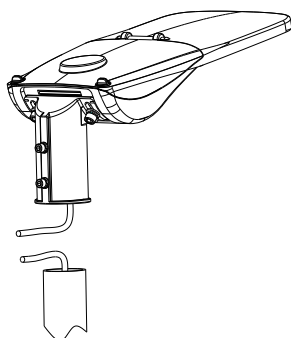
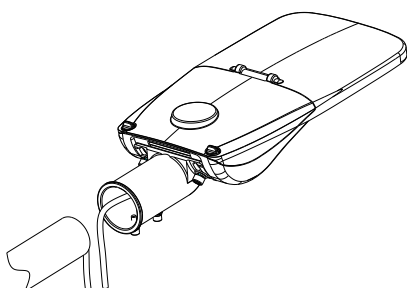
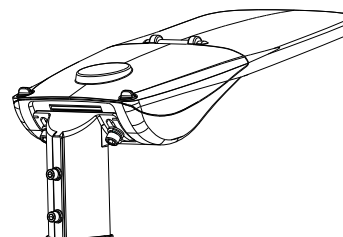
Installation of side-arm lamp post

1. Open the package to check whether the light is intact and whether the accessories are complete.



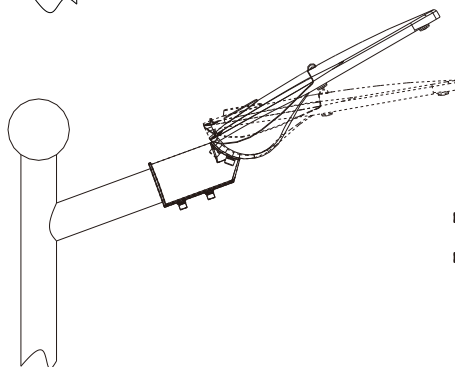
Installation of vertical lamp post

2. Fix the mounting bracket and light (right figure) according to lamp-post (left figure)

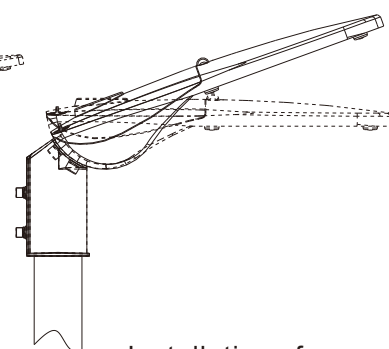


3. Connect the light cable with electric supply and carry out insulation protection properly.

4. Hide the cable inside the lamp post and fix the light onto the post (right figure)



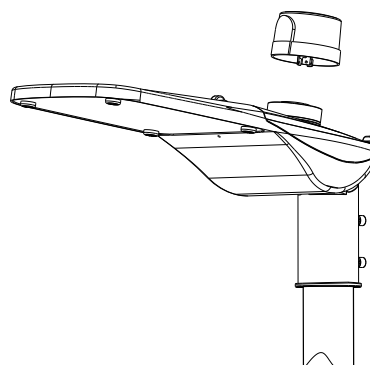
Installation of side-arm lamp post



Installation of vertical lamp post

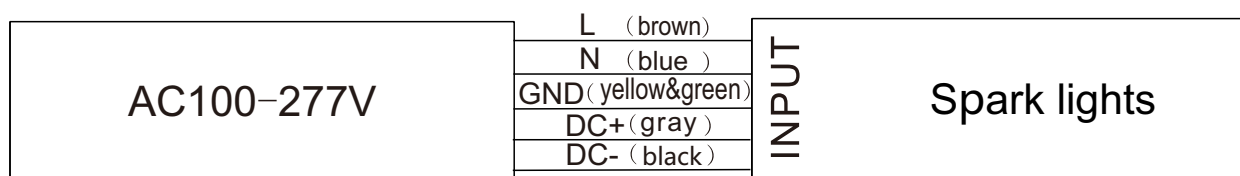
5. Adjust the illuminating angle. Then tighten the fixing screws (Adjustable angle  $-5^{\circ}$  to  $+15^{\circ}$ ).

6. If the light is provided with light sensation, install the optical sensing device into the corresponding port at the back of the light as shown in the right figure.





## Wiring diagram:



## Packing information:

Normal series an Photocell Series an Motion Sensor series:

Power	50W	80W/100W	120W/150W	240W
Net weight	3.5kg	4.1kg	4.8kg	6.4kg
Gross weight	4.1kg	4.6kg	5.5kg	8.1kg
Packing dimension	440*275*170mm	440*280*170mm	555*305*170mm	600*370*170mm
Packing qty.	1PCS/carton	1PCS/carton	1PCS/carton	1PCS/carton

## Installation requirement:

- 1.The product is only applicable to installation of lamp post with diameter of 60mm.
- 2.The installation of side-arm lamp post may refer to the inside level gauge after opening the back cover.
- 3.Power off before installation;and the lamp must be installed by professional electrician;
- 4.Confirm installation hole and location;
- 5.Connect light wire to power wire, seal the joint with insulation;
- 6.Make sure the installation material can endure the lamp weight;and install the lamp in the operation location.

## ! Notice:

1. Please first read the product specification carefully to make sure the using environment conform to specification, then it can be installation;
2. Please confirm input voltage, frequency before installation;
- 3.This product must be installed by electrician;
- 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.Please pull the power cord to the wiring compartment at the bottom of mounting pole and make the branch connection,the input wire connected at the bottom of the pole.(the length of driver input wire meet the demand of customer's).
- 8.Use listed water proof bushing at outlet box cover (if applicable).