

2021 PRO CATALOG





WHO WE ARE

SWORDFOCE Shenzhen Yu Lai Zhi Guang Lighting Technology Co., Ltd is a professional manufacturer of high solar lights in China. awarded as China High & New Technology Enterprise, Founded in 2013 and located in Shenzhen, GuangDong Province. Swordfoce has been dedicated to develop and produce many kinds of high quality solar street lights, Such as MJ solar led street light , all in two solar led street light head, solar led ceiling light, solar tri-proof light, all in one solar led flood light, etc. Swordfoce have been committed to provide the best quality and well-designed solar products to each customers and provide a very high efficiency communicaiton and technical support. The quality of Swordfoce products has become very popular and has won high reputation among customers since past years. All models of Swordfoce products are completely and independently developed by Swordfoce team, Swordfoce is holding many patents on appearance design or usage design for many products.

We strongly believe our solar products can boost your business very well in the markets where are full of high competition as well as saving the world with green energy, Swordfoce is committed to provide you the best solar lighting & solar power solution and best service and efficient communion of understanding with strong technical support. Swordfoce is very ready to start business as an partners with each customer who is interested in our products a lot and plan to promote Swordfoce's products in their market as the sole agent. OEM business is also welcomed as well as to be our agents.



MJ XJ SERIES SOLAR STREET LIGHT

This product is our patented product, designed to provide users with high-quality solar photovoltaic street lamp, has passed CE, UL, etc A number of international certification. "Wiring free, easy to install", "high charging efficiency", "strong endurance" and "outstanding light efficiency" Features are the main advantages of this product.

1-5



MJ XJ SERIES SOLAR STREET LIGHT

Product appearance designing team inherits the future SI-FI sense and the industrial visual style, aiming to break through the traditional design of outdoor lighting products. Our patented product is out there to create a new visual appearance for outdoor lighting products, and strive to create the next hottest product in the market.

6-9



MJ DW SERIES SOLAR CAMERA LIGHT

It has an inner high-capacity lithium battery, which relies on the solar panel to absorb sunlight energy then convert it into electrical energy in the battery, which then being provided to the solar lamp and monitoring work. Wi-Fi connection is required for monitoring operation, then the operation can be viewed remotely in real time, switch lights on&off or playback through APP. Products are widely used in home backyard, farms, orchards, etc.

10-13



MJ DW SERIES SOLAR FLOOD LIGHT

It has an inner high-capacity lithium battery, which relies on the solar panel to absorb sunlight energy then convert it into electrical energy in the battery, which then being provided to the solar lamp and monitoring work. Wi-Fi connection is required for monitoring operation, then the operation can be viewed remotely in real time, switch lights on&off or playback through APP. Products are widely used in home backyard, farms, orchards, etc.

14-



MJ XJ SERIES

ALL IN TWO SOLAR STREET LIGHT



MJ XJ SERIES SOLAR STREET LIGHT is our patented product, designed to provide users with high-quality solar photovoltaic street lamp, has passed CE, UL, etc A number of international certification. "Wiring free, easy to install", "high charging efficiency", "strong endurance" and "outstanding light efficiency" Features are the main advantages of this product. Large capacity lithium battery is built into the lamp body , which can absorb solar energy and convert it into electric energy by solar panel It is stored in the battery and then supplied to the solar lamp. Products are widely used in courtyard, highway and other areas.



MJ XJ SERIES

All In Two Solar Street Light

Product Design

The product appearance is designed by our company's product visual design team, which is our patented product. Product design concept inherits the future sense of science and technology and industrial visual style design. Dare to breakthrough the traditional design style of outdoor lighting . For outdoor lighting products to create a new visual appearance , committed to creating the market's next outlet of popular products!

LED Source



Provide excellent lumen output, the best stability and excellent visual perception.
(Cree, Osram&etc. is optional)

LiFePO4 Battery



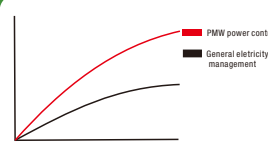
Excellent performance
High capacity More safety,
Withstand high temperatures 60°C
Long lifespan, more than 2000 cycles

Optical Lens



High lumen, brightness increased by 30%

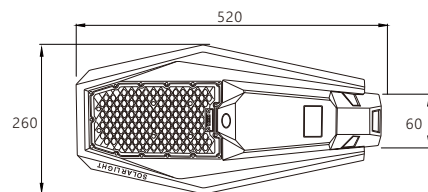
P-Mos Charing



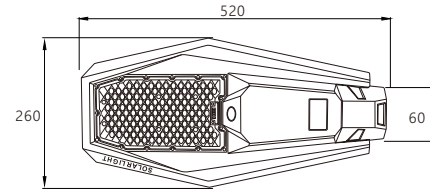
P-Mos charging, charging efficiency increased by 20%



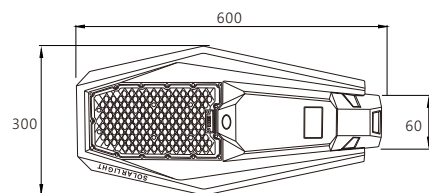
Dimension



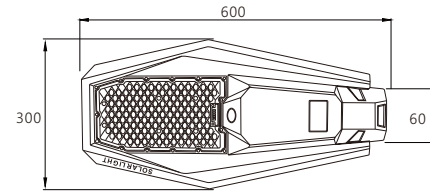
MJ-XJ 801



MJ-XJ 802



MJ-XJ 803



MJ-XJ 804

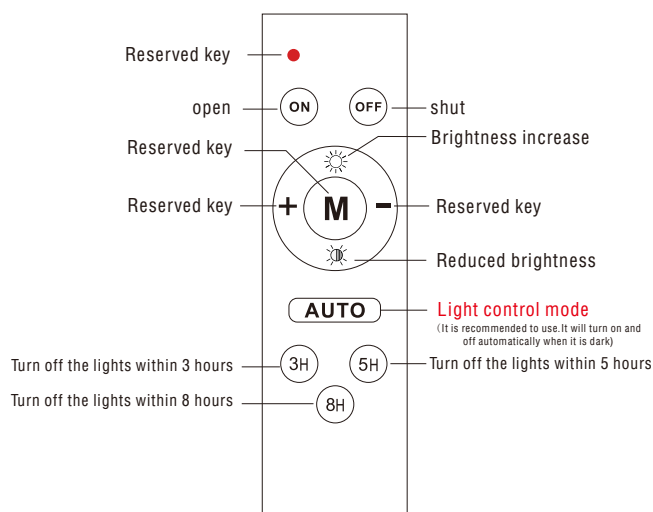


Data Sheet

Item	MJ XJ 801	MJ XJ 802	MJ XJ 803	MJ XJ 804
Solar Panel Parameters	5V 25W	5V 35W	5V 40W	5V 50W
Battery Parameters	LiFePO4 3.2V 18AH	LiFePO4 3.2V 30AH	LiFePO4 3.2V 36AH	LiFePO4 3.2V 48AH
System Voltage	DC6V	DC6V	DC6V	DC6V
Dimensions	520*260*80mm	520*260*80mm	600*300*80mm	600*300*80mm
LED Quantity	192pcs	192pcs	300pcs	300pcs
CCT	2200K~6500K			
Charge Time	6 Hours			
Working Time	2-3 Days (Auto Control)			
Protection Grade	IP65			
Remote Control	Yes			
Operating Temperature	-20 to 60			
Housing	Aluminum			
Warranty	2 Years			
G.W.	5.7Kg/pcs	6.3Kg/pcs	7.2Kg/pcs	8.3Kg/pcs
Packaging	590*550*420mm/4pcs	640*550*420mm/4pcs	715*410*440mm/3pcs	730*300*520mm/2pcs

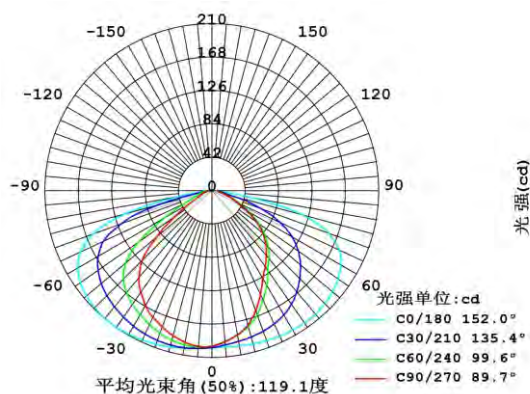
Illustration of remote control

Automatic light control mode connect the lamp cap with the solar panel press the[AUTO] auto key and the light will turn on automatically in the dark and turnoff the light when it is bright. (key with memory mode only need to set once)
Other remote control modes : the specific functions are shown in the figure below



IES Lighting

Polar Coordinate Curve



Optical Design

This product adopts LED optical lens design, the lens can effectively gather the light of the light source to improve the brightness and reduce the lightloss. The light efficiency of the traditional reflective cup is increased by more than 20%. At the same time, the lens of this product is made of PC (Japanese emperor) material, and the transmittance after processing is as high as 92%, which is much higher than 80% of the glass transmittance; the whole lighting efficiency is increased by 30%, and the irradiation area is increased by more than 25%.

More...

Product lighting mode

Power reduction in different modes	Startup time				
	0~0.5H	0.5~2H	2~4H	5H	5H to morning
Normal mode	100~80%	80%~60%	60%~50%	50%~40%	40%~30%

 More Pics



 More



 Package



MJ LH SERIES

ALL IN ONE SOLAR STREET LIGHT



MJ LH SERIES ALL IN ONE is our patented product. All-in-one solar light means the solar panel is embedded in the lamp body. This design eliminates complex installation accessories such as brackets. It will increase installation efficiency in several times. This product adopts the latest quick charging scheme, and charging efficiency can be up to 50% higher than similar products. For example, similar products use 6V/12W solar panel and the peak charging current is 2A; our product uses 4V/12W solar panel and the peak charging current is 3A. By comparison, the charging efficiency of our products has been improved by 50%. It has three brightness, including radar mode for all night, constant lighting mode for all night, and switch to radar mode after constant light mode.



ADVANTAGES

Convenient installation

All-in-one solar light means the solar panel is embedded in the lamp body. This design eliminates complex installation accessories such as brackets. It will increase installation efficiency in several times.

Efficient quick charging scheme

This product adopts the latest quick charging scheme, and charging efficiency can be up to 50% higher than similar products. For example, similar products use 6V/12W solar panel and the peak charging current is 2A; our product uses 4V/12W solar panel and the peak charging current is 3A. By comparison, the charging efficiency of our products has been improved by 50%.

Multiple functional models

Our product has three brightness, including radar mode for all night, constant lighting mode for all night, and switch to radar mode after constant light mode.

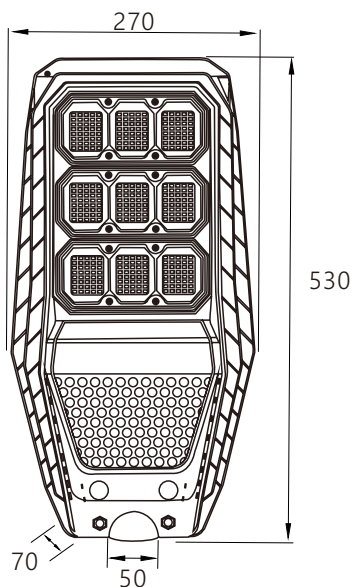
Smart power management system

We are committed to meet the needs of customers "365 days, daily brightness", our company has developed an smart power management system in cooperation with the University of Electronic Science and Technology to make sure our product not only has higher charging efficiency, but also can actively identify the amount of charging per day, so as to independently adjust the capacity to achieve a better rainy day efficiency.

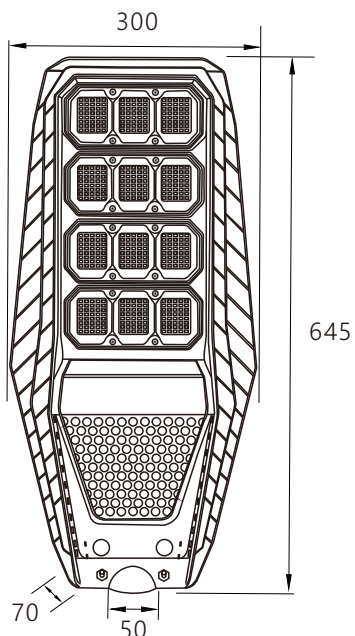




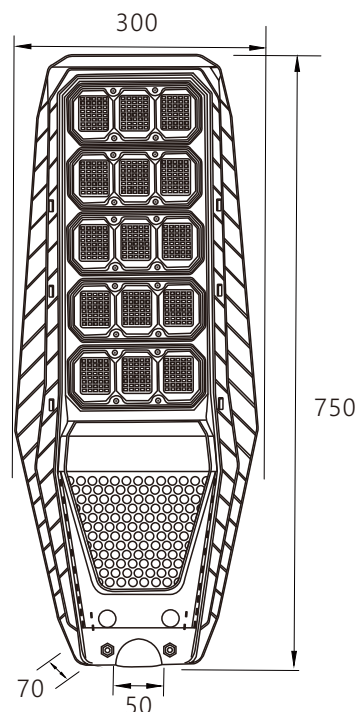
Dimension



MJ-LH 8100



MJ-LH 8200



MJ-LH 8300



Data Sheet

Item	MJ LH 8100	MJ LH 8200	MJ LH 8300
Solar Panel Parameters	4V 10W	4V 15W	4V 18W
Battery Parameters	LiFePO4 3.2V 12AH	LiFePO4 3.2V 18AH	LiFePO4 3.2V 24AH
System Voltage	DC4V	DC4V	DC4V
Dimensions	530*270*70mm	645*300*70mm	750*300*70mm
LED Quantity	360pcs	480pcs	600pcs
CCT		2200K~6500K	
Charge Time		6 Hours	
Working Time		2-3 Days (Auto Control)	
Protection Grade		IP65	
Remote Control		Yes	
Operating Temperature		-20 to 60	
Housing		ABS	
Warranty		2 Years	
G.W.	2Kg/pcs	2.55Kg/pcs	3.1Kg/pcs
Packaging	560*380*300mm/5pcs	670*380*330mm/5pcs	780*380*330mm/5pcs

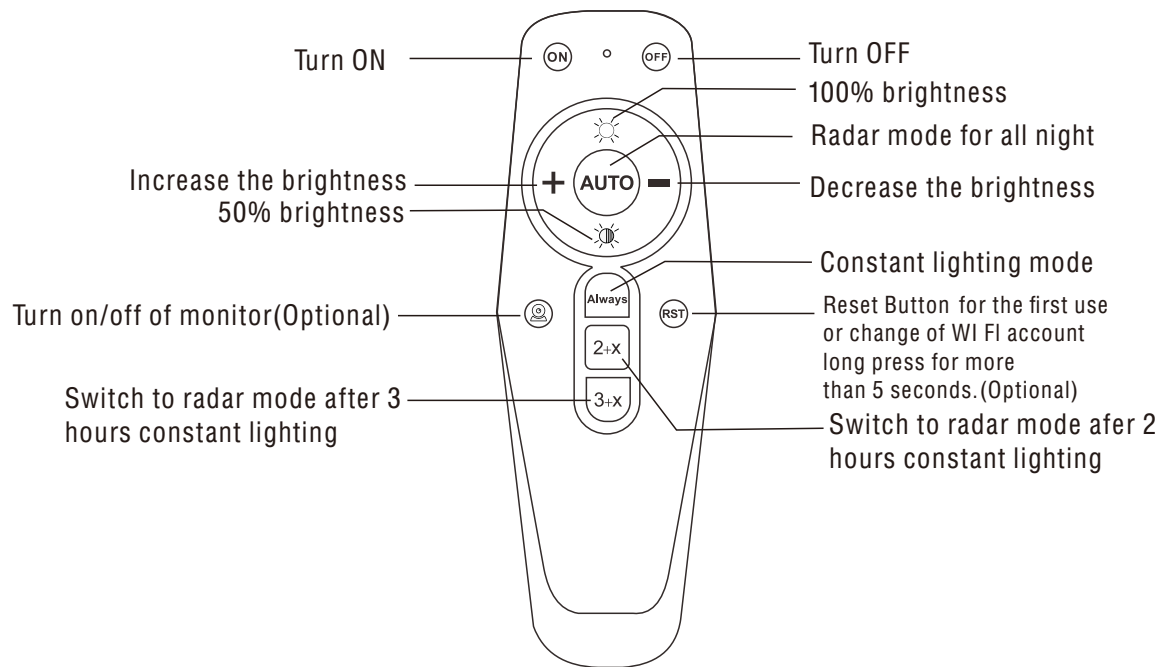


Illustration of remote control



- The remote control has memory function, you can set only once.
1. AUTO mode. AUTO mode means radar mode for all night. This mode is the brightest and the discharging time is more than 5 days.
 2. Switch to radar mode after constant light mode. The buttons "2+X", "3+X" means switching to radar mode after 2 or 3 hours constant lighting. The brightness of this mode is 70% of radar mode for all night.
 3. Always mode. Always mode means constant lighting for all light. The brightness of this mode is 70% of radar mode for all night.



Lighting model

Power reduction in different modes	Model-On Time				
	1H	2-3H	4-5H	6H	6H to morning
Auto model	100%-80%	80%-60%	60%-50%	50%-40%	30%
2+X/3+X	100%-80%	80%-60%	60%-50%	50%-40%	30%
Always model	100%-80%	80%-60%	60%-50%	50%-40%	30%

MJ DW SERIES

SOLAR CAMERA LIGHT



MJ DW SERIES SOLAR STREET LIGHT is our patented product, designed for providing our users integrated lighting and security services. We have passed multiple international certifications such as CE and UL. The main advantages of our product include: "High-definition monitor", "5G IOT", "ultra-low power consumption", "strong battery life", "signal stability /no disconnection", "outstanding luminous efficiency". The lamp body has an inner high-capacity lithium battery, which relies on the solar panel to absorb sunlight energy then convert it into electrical energy in the battery, which then being provided to the solar lamp and monitoring work. Wi-Fi connection is required for monitoring operation, then the operation can be viewed remotely in real time, switch lights on&off or playback through APP. Products are widely used in home backyard, farms, orchards, etc.



*Light up
everywhere
Power up
everywhere*



HD Camera

1080P HD chip and lens ensuring the clarity of video and pictures. Meanwhile the day and night full-color function is adopted to ensure the same excellent monitoring efficiency at night .



Portable Design

The product is equipped with high-end leather handles which can be used as portable lights, emergency lights , etc. It is suitable for outdoor camping , night fishing and other application scenarios.



Optical Lens

The lens of this product is made of PC (Japanese emperor) material, and the transmittance after processing is as high as 92%

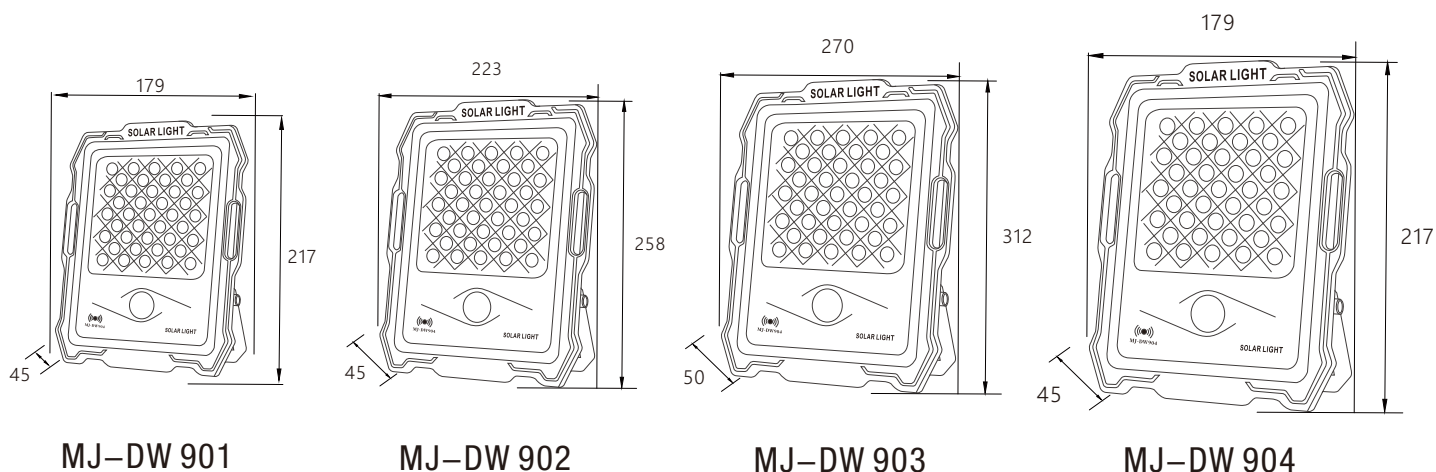


High Lumens

Brand LED lamp bead, high brightness, long life span,



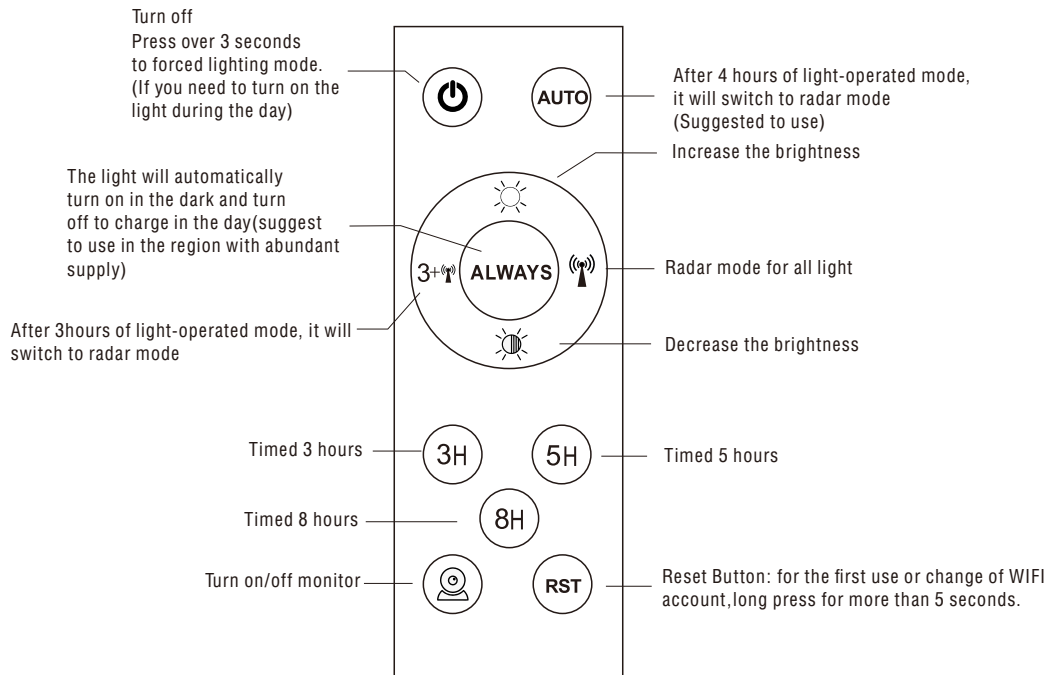
Dimension



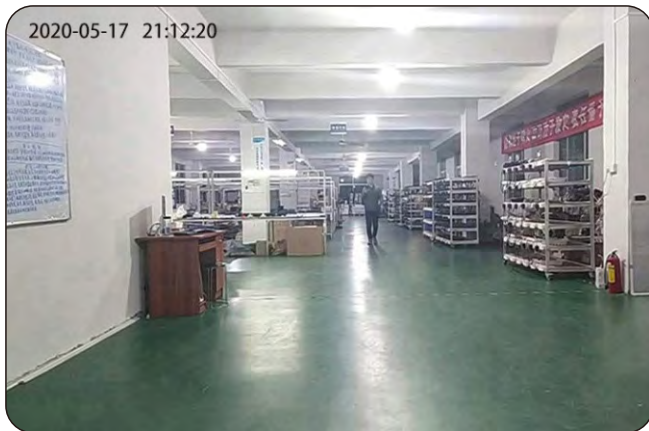
Data Sheet

Item	MJ DW 901	MJ DW 902	MJ DW 903	MJ DW 904
Solar Panel Parameters	5V 20W	5V 28W	5V 35W	5V 40W
Battery Parameters	LiFePO4 3.2V 12AH	LiFePO4 3.2V 24AH	LiFePO4 3.2V 30AH	LiFePO4 3.2V 42AH
System Voltage	DC5V	DC5V	DC5V	DC5V
Dimensions	217*179*45mm	258*213*45mm	312*270*50mm	365*295*50mm
LED Quantity	82pcs	144pcs	236pcs	324pcs
CCT	2200K~6500K			
Charge Time	6 Hours			
Working Time	2-3 Days (Auto Control)			
Protection Grade	IP65			
Remote Control	Yes			
Operating Temperature	-20°C to 60°C			
Housing	Aluminum			
Warranty	2 Years			
G.W.	2.4Kg/pcs	3.4Kg/pcs	4.2Kg/pcs	5Kg/pcs
Packaging	660*375*380mm/8pcs	525*510*380mm/6pcs	605*430*380mm/5pcs	660*345*380mm/4pcs

USER MANUAL



Application



Package



CRI



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