
Designed & Engineered in Italy

FLOOD LIGHT

solar

E006

CONTENT

FLOOD LIGHT

ALL IN TWO Type

- **BOLOGNA Series**
 - FLS2 074 BOS 001
 - FLS2 074 BOS 002
 - FLS2 074 BOS 003
 - FLS2 074 BOS 004
 - FLS2 074 BOS 005
 - FLS2 074 BOS 006
- **CARRARA Series**
 - FLS2 074 MSR 001
 - FLS2 074 MSR 002
 - FLS2 074 MSR 003
 - FLS2 074 MSR 004
 - FLS2 074 MSR 005
 - FLS2 074 MSR 006
- **RAVENNA Series**
 - FLS2 074 RAG 001
 - FLS2 074 RAG 002
 - FLS2 074 RAG 003
 - FLS2 074 RAG 004
 - FLS2 074 RAG 005
 - FLS2 074 RAG 006

SOLAR Type

- **PARMA Series**
 - FLS0 074 PRC 001
 - FLS0 074 PRC 002
 - FLS0 074 PRC 003
 - FLS0 074 PRC 004

FLOOD LIGHT WITH RADAR SENSOR BOLOGNA Series

BOLOGNA Series is an highquality solar photovoltaic projection lamp that passed passed CE, UL and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages of BOLOGNA Series is provided with a large capacity lithium battery built in and a solar panel.



FLOOD LIGHT WITH RADAR SENSOR

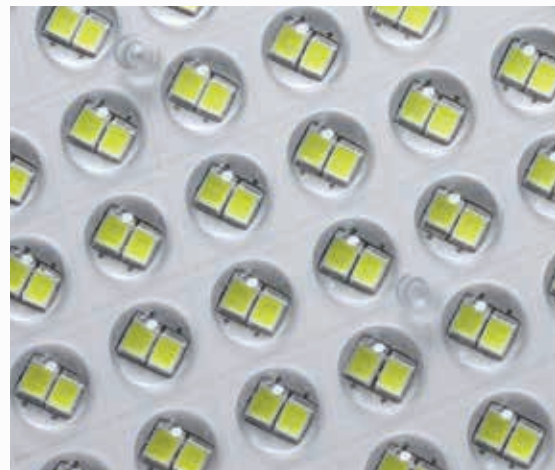
BOLOGNA Series

HIGH LUMENS AND BRIGHTNESS BOLOGNA Series adopts a design for Led optical lens that can effectively gather the ray of the light source to improve the brightness and reduce the light loss.

P-MOS CHARGING BOLOGNA Series uses a solar controller PWM and P-MOS charging, a unique and very efficient charge/discharge management system.

SMART POWER MANAGEMENT SYSTEM AND AUTOMATIC POWER DISTRIBUTION AT NIGHT BOLOGNA Series has a smart power management to get high charging efficiency. The system actively identifies the daily recharge and independently rations it for safety in the event of cloudy or rainy days. Using the radar module, a variety of brightness modes can be selected through the remote control, such as burn steady, full radar mode, 3+X mode (steady light for 3 hours, automatically turn to radar after 3 hours), 4+X mode (steady light for 3 hours, automatically turn to radar after 3 hours), and other multiple functions. The most suitable lighting and monitoring plan according to different regions and seasons can be selected.

Radar sensing distance is 6-8 meters.



Note
 1.The lens of this product can be used normally in the high temperature range of 125°C and the low temperature of -40°C.
 2.The lens will not yellowing and brittle within 5 years.

Lighting mode*

POWER REDUCTION	MODES ON TIME				
	0h/0,5h	0,5h/2h	2h/4h	4h/5h	5h to morning
Normal Mode	100-80%	80-60%	60-50%	50-40%	40-30%
Full Radar Mode	People will reduce the power according to the proportion of constant light mode. People will highlight. People will walk 10%.				
3+X	In the first 3h, the power is reduced according to the proportion of the normal mode; after 3h the power is transferred to radar induction.				
4+X	In the first 4h, the power is reduced according to the proportion of the normal bright mode, then the radar is sensed after 4h.				

*Note: when the battery voltage is lower than 3.0V, the system will switch to radar mode.

FLOOD LIGHT WITH RADAR SENSOR

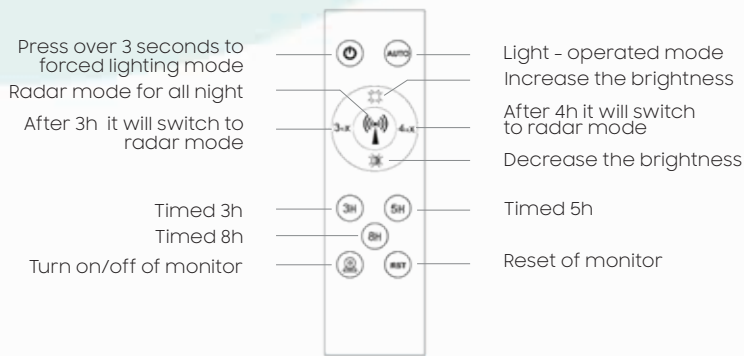
BOLOGNA Series

STRUCTURAL DESIGN TO REDUCE MAINTENANCE NEEDS

- **Waterproof design**, BOLOGNA Series adopts Snap-On design that does not need to be glued. It has the characteristics of quick assembly and easy opening and an IP 66 waterproof rating.
- **Tableting design**, the battery is fixed by metal pressing and it has the characteristics of not easy falling off, easy disassembling and assembling for environmental protection.

MULTIFUNCTIONAL AND PORTABLE DESIGN FOR WIDER PRACTICAL SCENES BOLOGNA Series is equipped with high-end handles, which can be used as portable lights, emergency lights and other applications.

REMOTE CONTROL LIGHT-OPERATED MODE Tightening the waterproof wire and pressing the key "AUTO", the light will automatically turn on in the dark and turn off to charge in the day. The remote control has memory function, you can set only once.



Note

1. Please do not connect 220V AC to avoid damaging the solar lamp.
2. Please ensure the installation is stable to avoid hurting others.
3. Please do not disassemble the lamp to avoid affecting the warranty.
4. Please clean the dust on the solar panel surface every 3 months to avoid affecting the power generation efficiency.

Packing list

Model	Box size	Outer box size	Packing number	Gross weight	Net weight
FLS2 074 BOS 001	36,5*25*8cm	74*42*26,5cm	10pcs	20Kg	17,5Kg
FLS2 074 BOS 002	36,5*30*8cm	66*37,5*32cm	8pcs	19Kg	17,2Kg
FLS2 074 BOS 003	44,5*36*8cm	58*45,5*38cm	7pcs	23,45Kg	20,65Kg
FLS2 074 BOS 004	51,5*37,2*8,7cm	56*52,5*39cm	6pcs	26,35Kg	21,6Kg
FLS2 074 BOS 005	59,5*37,2*8,7cm	60,5*46*39cm	5pcs	25,7Kg	22,5Kg
FLS2 074 BOS 006	65*37,2*8,7cm	66*37*39cm	4pcs	21,9Kg	18,8Kg

FLOOD LIGHT WITH RADAR SENSOR - 100W

BOLOGNA Series FLS2 074 BOS 001

BOLOGNA Series is an highquality solar photovoltaic projection lamp that passed CE, UL and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages of BOLOGNA Series. It is provided with a large capacity lithium battery built in and a solar panel.

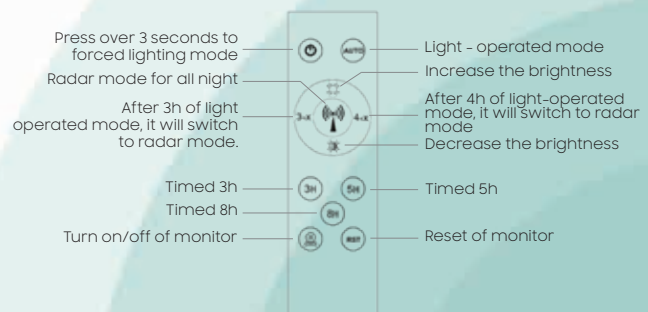


ITEM	SPECIFICATIONS
Product Model	FLS2 074 BOS 001
Led Power	100W
Lamp Body Material	Die - casting aluminium
Lens Material	Polycarbonat
Lamp Body Size	217*179*45mm
Number of LED	82pcs
Battery Capacity	6000mAh
Photovoltaic Panel	5V/12W (350*235mm)
Duration of Light	+18h
Discharge Current	3.3V/1.2A
Luminous Flux	530lm

ACCESSORIES

Radar sensor - INCLUDED

Remote control - INCLUDED



FLOOD LIGHT WITH RADAR SENSOR - 100W PRO

BOLOGNA Series

FLS2 074 BOS 002

BOLOGNA Series is an highquality solar photovoltaic projection lamp that passed CE, UL and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages of BOLOGNA Series. It is provided with a large capacity lithium battery built in and a solar panel.

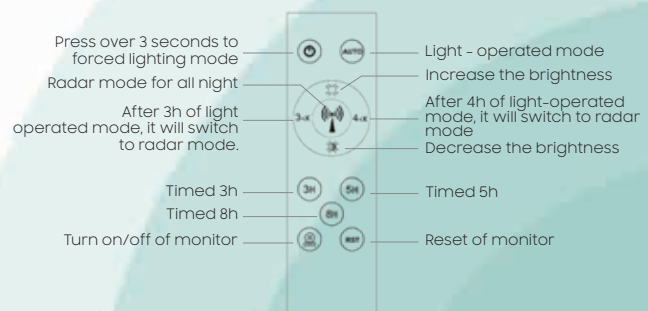


ITEM	SPECIFICATIONS
Product Model	FLS2 074 BOS 002
Led Power	100W
Lamp Body Material	Die - casting aluminium
Lens Material	Polycarbonat
Lamp Body Size	217*179*45mm
Number of LED	82pcs
Battery Capacity	12000mAh
Photovoltaic Panel	5V/15W (350*290mm)
Duration of Light	+18h
Discharge Current	3.3V/1.8A
Luminous Flux	730lm

ACCESSORIES

Radar sensor - INCLUDED

Remote control - INCLUDED



FLOOD LIGHT WITH RADAR SENSOR - 200W

BOLOGNA Series FLS2 074 BOS 003

BOLOGNA Series is an highquality solar photovoltaic projection lamp that passed CE, UL and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages of BOLOGNA Series. It is provided with a large capacity lithium battery built in and a solar panel.

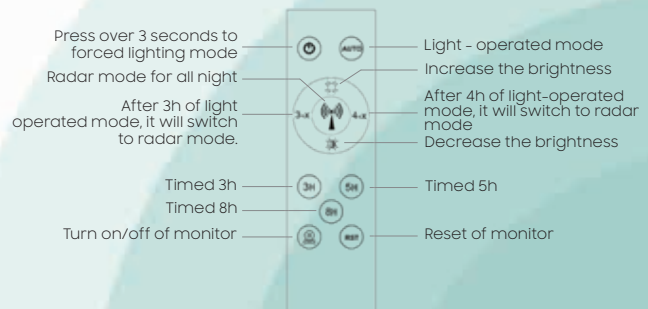


ITEM	SPECIFICATIONS
Product Model	FLS2 074 BOS 003
Led Power	200W
Lamp Body Material	Die - casting aluminium
Lens Material	Polycarbonat
Lamp Body Size	258*213*45mm
Number of LED	144pcs
Battery Capacity	18000mAh
Photovoltaic Panel	5V/25W (430*350mm)
Duration of Light	+18h
Discharge Current	3.3V/2.4A
Luminous Flux	1160lm

ACCESSORIES

Radar sensor - INCLUDED

Remote control - INCLUDED



FLOOD LIGHT WITH RADAR SENSOR - 300W

BOLOGNA Series

FLS2 074 BOS 004

BOLOGNA Series is an highquality solar photovoltaic projection lamp that passed CE, UL and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages of BOLOGNA Series. It is provided with a large capacity lithium battery built in and a solar panel.

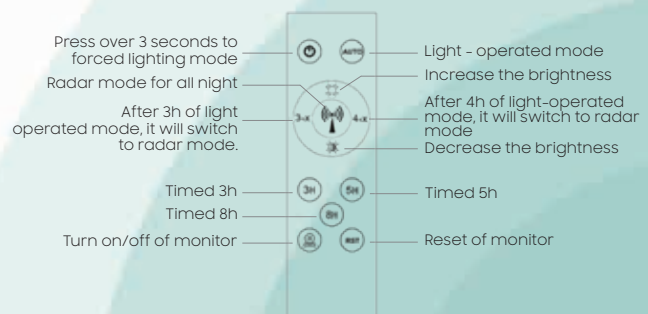


ITEM	SPECIFICATIONS
Product Model	FLS2 074 BOS 004
Led Power	300W
Lamp Body Material	Die - casting aluminium
Lens Material	Polycarbonat
Lamp Body Size	312*270*50mm
Number of LED	236pcs
Battery Capacity	24000mAh
Photovoltaic Panel	5V/28W (500*350mm)
Duration of Light	+18h
Discharge Current	3.3V/3.8A
Luminous Flux	2600lm

ACCESSORIES

Radar sensor - INCLUDED

Remote control - INCLUDED

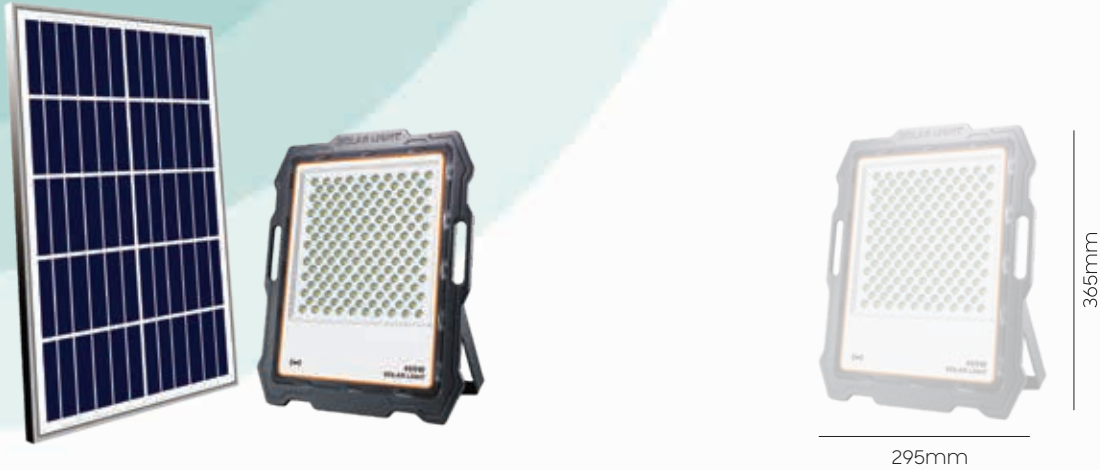


FLOOD LIGHT WITH RADAR SENSOR - 400W

BOLOGNA Series

FLS2 074 BOS 005

BOLOGNA Series is an highquality solar photovoltaic projection lamp that passed CE, UL and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages of BOLOGNA Series. It is provided with a large capacity lithium battery built in and a solar panel.

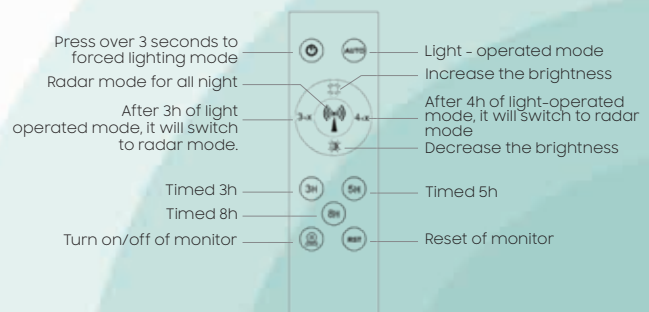


ITEM	SPECIFICATIONS
Product Model	FLS2 074 BOS 005
Led Power	400W
Lamp Body Material	Die - casting aluminium
Lens Material	Polycarbonat
Lamp Body Size	365*295*50mm
Number of LED	324pcs
Battery Capacity	30000mAh
Photovoltaic Panel	5V/35W (580*350mm)
Duration of Light	+18h
Discharge Current	3.3V/4.8A
Luminous Flux	3000lm

ACCESSORIES

Radar sensor - INCLUDED

Remote control - INCLUDED



FLOOD LIGHT WITH RADAR SENSOR - 600W

BOLOGNA Series FLS2 074 BOS 006

BOLOGNA Series is an highquality solar photovoltaic projection lamp that passed passed CE, UL and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages of BOLOGNA Series. It is provided with a large capacity lithium battery built in and a solar panel.

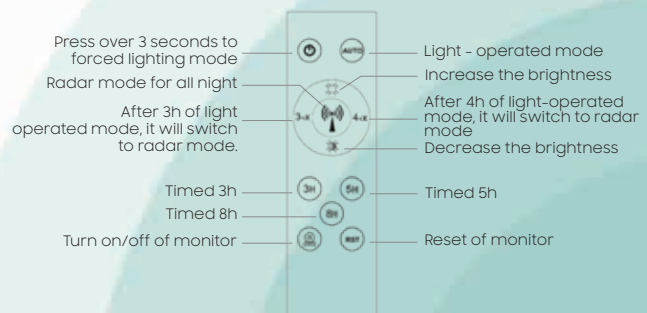


ITEM	SPECIFICATIONS
Product Model	FLS2 074 BOS 006
Led Power	600W
Lamp Body Material	Die - casting aluminium
Lens Material	Polycarbonat
Lamp Body Size	365*295*50mm
Number of LED	324pcs
Battery Capacity	36000mAh
Photovoltaic Panel	5V/35W (630*350mm)
Duration of Light	+18h
Discharge Current	3.3V/5A
Luminous Flux	3050lm

ACCESSORIES

Radar sensor - INCLUDED

Remote control - INCLUDED



FLOOD LIGHT ALL IN TWO CARRARA Series

CARRARA Series is approved CE, RoH , FCC, and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. CARRARA Primary Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.

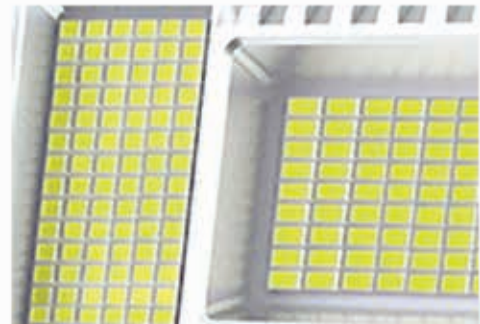
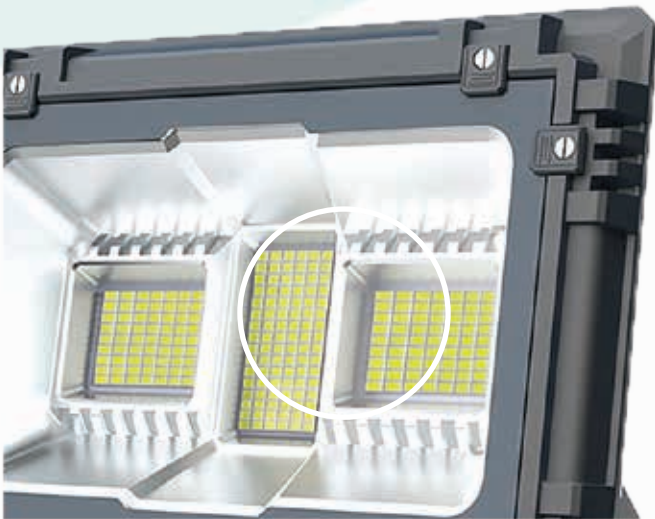


FLOOD LIGHT CARRARA Series

CARRARA Series is approved CE, RoH , FCC, and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. CARRARA Primary Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.

WIDE BEAMING ANGLE, BRIGHTNESS INCREASE BY 10% CARRARA Series is designed with LED diffuser of 110*90°beaming angle. With "three eyes" section and double reflecting structure, the lighting effect is much better with low consumption. Installed at the same height, the light is more focused compared with other traditional lamps. Irradiation area increases by 20% as well as the brightness increases by 10%.

INTELLIGENT ELECTRICITY MANAGEMENT SYSTEM, SUPER LONG DISCHARGE TIME CARRARA Series has an intelligent power management system with a higher charging efficiency. It can also identify the daily charging capacity, so as to adjust power automatically and achieve better lighting effect during rainy and cloudy days.



Lighting mode

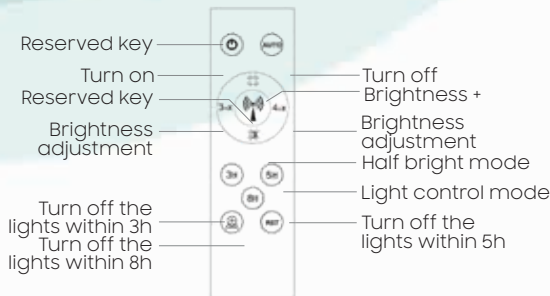
POWER REDUCTION	MODES ON TIME				
	0-0,5h	0,5-2h	2-4h	5h	5h to morning
Auto Mode	100-80%	80-60%	60-50%	50-40%	40-20%

FLOOD LIGHT CARRARA Series

EASY ASSEMBLY, CONVENIENT TO CHANGE ACCESSORIES Solar panel is separated from luminaire, equipped with 4-5m cable. Extension cord is available, to adapt different using environments. The glass cover is easy to open making it convenient to replace accessories.

CHARGING EFFICIENCY IMPROVED BY 20% WITH P-MOS CHARGING CARRARA Series is controlled by P-MOS charging through PWM, unique charge and discharge management system, with an increased efficiency of 20%.

REMOTE CONTROL LIGHT OPERATED MODE connect lamp and solar panel, press the AUTO button, then the light will turn on automatically when darkness falls and turn off during the day. Setting with memory, it is only needed to set up once. Below are functions related to other modes on the remote controller.



Note
 1.You can only choose one function at a time on the controller.
 2.The time function starts once you press 3h/5h/8h and can not be set manually.

Packing list

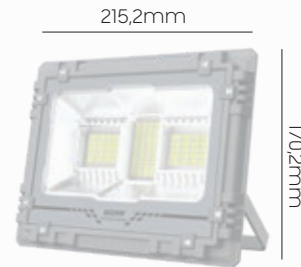
Model	Box size	Panel box size	Carton Size	Packing number	Gross weight	Net weight
FLS2 074 MSR 001	22*18*6,6cm	34,5*36*2,6cm	42*37,5*27cm	7pcs	14,3Kg	12,6Kg
FLS2 074 MSR 002	26,5*21,3*7,1cm	30*36*2,6cm	36,5*31,5*38cm	5pcs	14,1Kg	12,5Kg
FLS2 074 MSR 003	31*24,6*7,5cm	36*44*2,6cm	47,5*43*38,5cm	6pcs	22,9Kg	20,1Kg
FLS2 074 MSR 004	34,5*27,8*8,4cm	36*59*2,6cm	60*30*38cm	4pcs	20,45Kg	18,2Kg
FLS2 074 MSR 005	39*31*8,8cm	36*64*2,6cm	65*31*41cm	4pcs	23,35Kg	20,8Kg
FLS2 074 MSR 006	39*31*8,8cm	44,5*68*3cm	69*17*47cm	2pcs	14,7Kg	13Kg

FLOOD LIGHT - 60W

CARRARA Series

FLS2 074 MSR 001

CARRARA Series is approved CE, RoH , FCC, and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. CARRARA Primary Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.

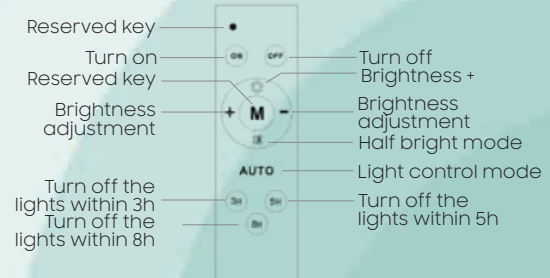


ITEM	SPECIFICATIONS
Product Model	FLS2 074 MSR 001
Led Power	60W
Lamp Body Material	Die - casting aluminium
Diffuser	ABS+electroplate
Cover	Tempered glass
Lamp Body Size	215,2*170,2*60mm
Number of LED	80pcs
Battery Capacity	6000mAh
Solar Panel	5V/12W (350*235mm)
Discharge Time	+15h
Discharge Current	3.3V/1.2A
Luminous Flux	515lm

ACCESSORIES

Support pole - OPTIONAL

Remote control - INCLUDED

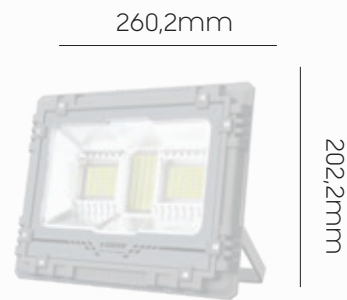


FLOOD LIGHT - 100W

CARRARA Series

FLS2 074 MSR 002

CARRARA Series is approved CE, RoH , FCC, and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. CARRARA Primary Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.

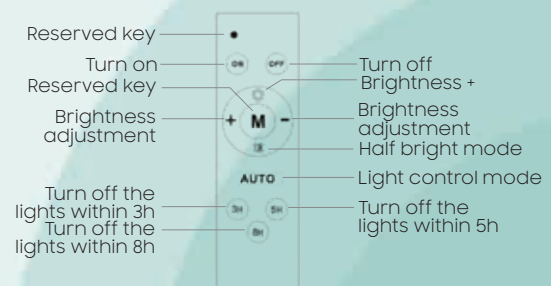


ITEM	SPECIFICATIONS
Product Model	FLS2 074 MSR 002
Led Power	100W
Lamp Body Material	Die - casting aluminium
Diffuser	ABS+electroplate
Cover	Tempered glass
Lamp Body Size	260,2*202,2*65mm
Number of LED	136pcs
Battery Capacity	12000mAh
Solar Panel	5V/15W (350*290mm)
Discharge Time	+18h
Discharge Current	3.3V/1.8A
Luminous Flux	772lm

ACCESSORIES

Support pole - OPTIONAL

Remote control - INCLUDED

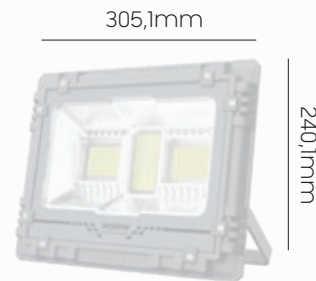


FLOOD LIGHT - 200W

CARRARA Series

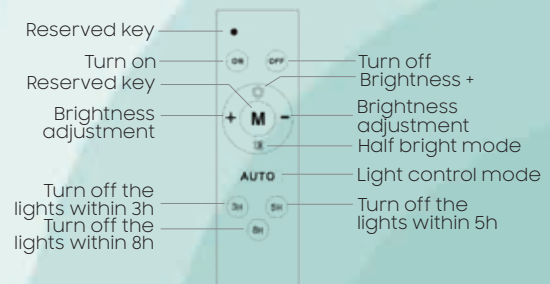
FLS2 074 MSR 003

CARRARA Series is approved CE, RoH , FCC, and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. CARRARA Primary Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.



ITEM	SPECIFICATIONS
Product model	FLS2 074 MSR 003
Led Power	200W
Lamp Body Material	Die - casting aluminium
Diffuser	ABS+electroplate
Cover	Tempered glass
Lamp Body Size	305,1*240,1*69mm
Number of LED	222pcs
Battery Capacity	18000mAh
Solar Panel	5V/25W (430*350mm)
Discharge Time	+18h
Discharge Current	3.3V/2.7A
Luminous Flux	1,158lm

ACCESSORIES
Support pole - OPTIONAL
Remote control - INCLUDED



FLOOD LIGHT - 300W

CARRARA Series

FLS2 074 MSR 004

CARRARA Series is approved CE, RoH , FCC, and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. CARRARA Primary Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.

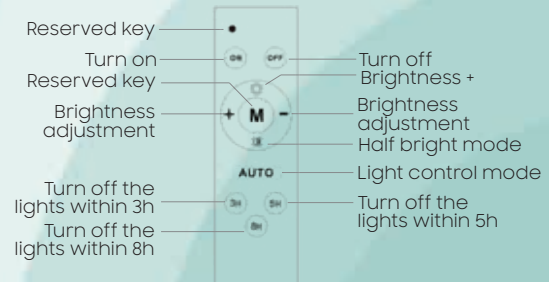


ITEM	SPECIFICATIONS
Product model	FLS2 074 MSR 004
Led Power	300W
Lamp Body Material	Die - casting aluminium
Diffuser	ABS+electroplate
Cover	Tempered glass
Lamp Body Size	340,2*270,2*78mm
Number of LED	318pcs
Battery Capacity	24000mAh
Solar Panel	5V/35W (580*350mm)
Discharge Time	+18h
Discharge Current	3.3V/3.8A
Luminous Flux	1,630lm

ACCESSORIES

Support pole - OPTIONAL

Remote control - INCLUDED



FLOOD LIGHT - 500W

CARRARA Series

FLS2 074 MSR 005

CARRARA Series is approved CE, RoH , FCC, and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. CARRARA Primary Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.

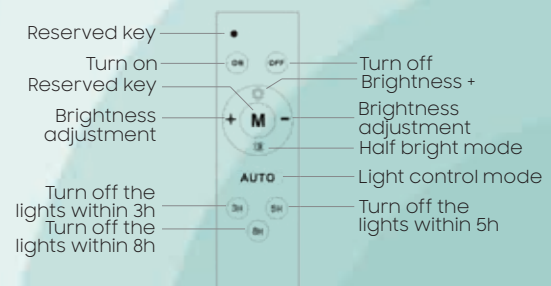


ITEM	SPECIFICATIONS
Product model	FLS2 074 MSR 005
Led Power	500W
Lamp Body Material	Die - casting aluminium
Diffuser	ABS+electroplate
Cover	Tempered glass
Lamp Body Size	385,2*303,2*82mm
Number of LED	381pcs
Battery Capacity	30000mAh
Solar Panel	5V/40W (630*350mm)
Discharge Time	+18h
Discharge Current	3.3V/4.8A
Luminous Flux	2,060lm

ACCESSORIES

Support pole - OPTIONAL

Remote control - INCLUDED



FLOOD LIGHT - 800W

CARRARA Series

FLS2 074 MSR 006

CARRARA Series is approved CE, RoH , FCC, and other international certifications. Wiring free, easy to install, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. CARRARA Primary Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.

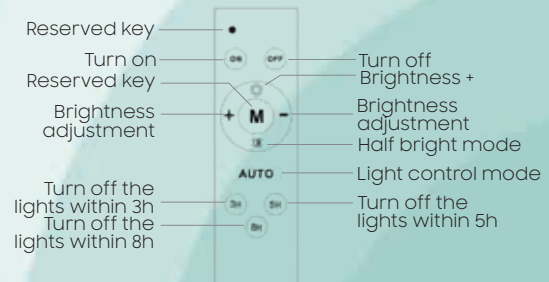


ITEM	SPECIFICATIONS
Product model	FLS2 074 MSR 006
Led Power	800W
Lamp Body Material	Die - casting aluminium
Diffuser	ABS+electroplate
Cover	Tempered glass
Lamp Body Size	385,2*303,2*82mm
Number of LED	381pcs
Battery Capacity	48000mAh
Solar Panel	5V/50W (670*445mm)
Discharge Time	+18h
Discharge Current	3.3V/6A
Luminous Flux	2,574lm

ACCESSORIES

Support pole - OPTIONAL

Remote control - INCLUDED



FLOOD LIGHT RAVENNA Series

RAVENNA Series is approved CE, RoHS, FCC and other international certifications. Wiring free, easy to install, Special RGB musical rhythm, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. RAVENNA Premium Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.



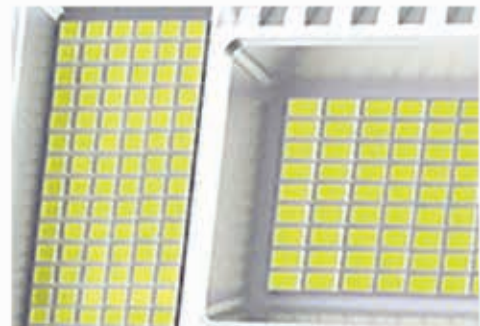
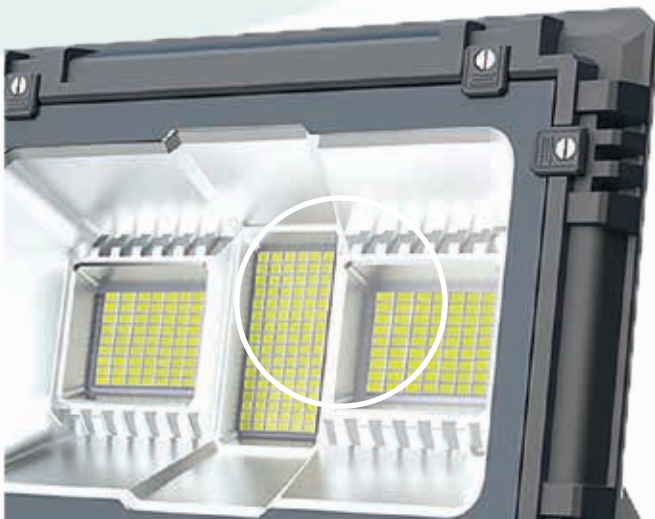
FLOOD LIGHT RAVENNA Series

EASY ASSEMBLY, CONVENIENT TO CHANGE ACCESSORIES Solar panel is separated from luminaire, equipped with 4-5 m cable. Extension cord is available to adapt different using environments. The glass cover is easy to open making it convenient to replace accessories.

WIDE BEAMING ANGLE, BRIGHTNESS INCREASE BY 10% RAVENNA Series is designed with LED diffuser of 110*90° beaming angle. With "three eyes" section and double reflecting structure, the lighting effect is much better with low light consumption. Installed at the same height, the light is more focused compared with other traditional lamps. Irradiation area increases by 20% as well as the brightness increases by 10%.

CHARGING EFFICIENCY IMPROVED BY 20% WITH P-MOS CHARGING RAVENNA Series is controlled by P-MOS charging through PWM, unique charge and discharge management system, with an increased efficiency of 20%.

INTELLIGENT ELECTRICITY MANAGEMENT SYSTEM, SUPER LONG DISCHARGE TIME RAVENNA Series has an intelligent power management system with a higher charging efficiency. It can also identify the daily charging capacity, so as to adjust power automatically and achieve better lighting effect during rainy and cloudy days.



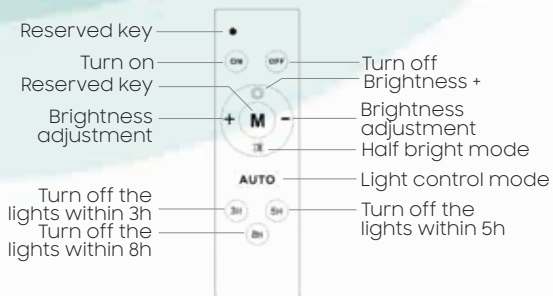
Lighting mode

POWER REDUCTION	MODES ON TIME				
	0-0,5h	0,5-2h	2-4h	5h	5h to morning
Auto Mode	100-80%	80-60%	60-50%	50-40%	40-20%

FLOOD LIGHT RAVENNA Series

EQUIPPED WITH RGB MUSICAL RHYTHM FUNCTION, BLUETOOTH CONNECTION, FOR WIDELY APPLICATION RAVENNA Series can be controlled by a smart phone via App or other devices by connecting bluetooth. Equipped with full color SMD5050, luminaire changes the colors and modes automatically according to the musical rhythm, which can be widely used in outdoor spaces such as gardens, parks, plazas, for example for Christmas decorations, camping, parties.

LIGHT CONTROL MODE RAVENNA connect lamp and solar panel, press the [AUTO] button, then the light will turn on automatically when darkness falls and turn off during the day. Setting with memory, it is only needed to set up once. Below are functions related to other modes on the remote controller.



Note

- 1.You can only choose one function at a time on the controller.
- 2.The time function starts once you press 3h/5h/8h and can not be set manually.

Packing list

Model	Box size	Panel box size	Carton Size	Packing number	Gross weight	Net weight
FLS2 074 RAG 001	22*18*6,6cm	34,5*36*2,6cm	42*37,5*27cm	7pcs	14,3Kg	12,6Kg
FLS2 074 RAG 002	26,5*21,3*7,1cm	30*36*2,6cm	36,5*31,5*38cm	5pcs	14,1Kg	12,5Kg
FLS2 074 RAG 003	31*24,6*7,5cm	36*44*2,6cm	47,5*43*38,5cm	6pcs	22,9Kg	20,1Kg
FLS2 074 RAG 004	34,5*27,8*8,4cm	36*59*2,6cm	60*30*38cm	4pcs	20,45Kg	18,2Kg
FLS2 074 RAG 005	39*31*8,8cm	36*64*2,6cm	65*31*41cm	4pcs	23,35Kg	20,8Kg
FLS2 074 RAG 006	39*31*8,8cm	44,5*68*3cm	69*17*47cm	2pcs	14,7Kg	13Kg

FLOOD LIGHT - 60W

RAVENNA Series

FLS2 074 RAG 001

RAVENNA Series is approved CE, RoHS, FCC and other international certifications. Wiring free, easy to install, Special RGB musical rhythm, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. RAVENNA Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.

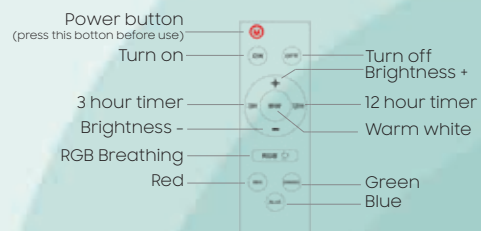


ITEM	SPECIFICATIONS
Product Model	FLS2 074 RAG 001
Led Power	60W
Lamp Body Material	Die - casting aluminium
Diffuser	ABS+electroplate
Cover	Tempered glass
Lamp Body Size	215,2*170,2*60mm
Number of LED	24pcs
Battery Capacity	6000mAh
Solar Panel	5V/12W (350*235mm)
Discharge Time	+15h
Discharge Current	3.3V/1.2A
Luminous Flux	/

ACCESSORIES

RGB - INCLUDED

Remote control - INCLUDED



FLOOD LIGHT - 100W

RAVENNA Series

FLS2 074 RAG 002

RAVENNA Series is approved CE, RoHS, FCC and other international certifications. Wiring free, easy to install, Special RGB musical rhythm, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. RAVENNA Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.



ITEM	SPECIFICATIONS
Product Model	FLS2 074 RAG 002
Led Power	100W
Lamp Body Material	Die - casting aluminium
Diffuser	ABS+electroplate
Cover	Tempered glass
Lamp Body Size	260,2*202,2*65mm
Number of LED	39pcs
Battery Capacity	12000mAh
Solar Panel	5V/15W (350*290mm)
Discharge Time	+18h
Discharge Current	3.3V/1.8A
Luminous Flux	/

ACCESSORIES

RGB - INCLUDED

Remote control - INCLUDED

FLOOD LIGHT - 200W

RAVENNA Series

FLS2 074 RAG 003

RAVENNA Series is approved CE, RoHS, FCC and other international certifications. Wiring free, easy to install, Special RGB musical rhythm, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. RAVENNA Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.



ITEM	SPECIFICATIONS
Product model	FLS2 074 RAG 003
Led Power	200W
Lamp Body Material	Die - casting aluminium
Diffuser	ABS+electroplate
Cover	Tempered glass
Lamp Body Size	305,1*240,1*69mm
Number of LED	50pcs
Battery Capacity	18000mAh
Solar Panel	5V/25W (430*350mm)
Discharge Time	+18h
Discharge Current	3.3V/2.7A
Luminous Flux	/

ACCESSORIES

RGB - INCLUDED

Remote control - INCLUDED

FLOOD LIGHT - 300W

RAVENNA Series

FLS2 074 RAG 004

RAVENNA Series is approved CE, RoHS, FCC and other international certifications. Wiring free, easy to install, Special RGB musical rhythm, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. RAVENNA Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.



ITEM	SPECIFICATIONS
Product model	FLS2 074 RAG 004
Led Power	300W
Lamp Body Material	Die - casting aluminium
Diffuser	ABS+electroplate
Cover	Tempered glass
Lamp Body Size	340,2*270,2*78mm
Number of LED	72pcs
Battery Capacity	24000mAh
Solar Panel	5V/35W (580*350mm)
Discharge Time	+18h
Discharge Current	3.3V/3.8A
Luminous Flux	/

ACCESSORIES
RGB - INCLUDED
Remote control - INCLUDED

FLOOD LIGHT - 500W

RAVENNA Series

FLS2 074 RAG 005

RAVENNA Series is approved CE, RoHS, FCC and other international certifications. Wiring free, easy to install, Special RGB musical rhythm, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. RAVENNA Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.



ITEM	SPECIFICATIONS
Product model	FLS2 074 RAG 005
Led Power	500W
Lamp Body Material	Die - casting aluminium
Diffuser	ABS+electroplate
Cover	Tempered glass
Lamp Body Size	385,2*303,2*82mm
Number of LED	95pcs
Battery Capacity	30000mAh
Solar Panel	5V/40W (630*350mm)
Discharge Time	+18h
Discharge Current	3.3V/4.8A
Luminous Flux	/

ACCESSORIES
RGB - INCLUDED
Remote control - INCLUDED

FLOOD LIGHT - 800W

RAVENNA Series

FLS2 074 RAG 006

RAVENNA Series is approved CE, RoHS, FCC and other international certifications. Wiring free, easy to install, Special RGB musical rhythm, high charging efficiency, strong endurance and outstanding light efficiency are the main advantages. RAVENNA Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp.



ITEM	SPECIFICATIONS
Product model	FLS2 074 RAG 006
Led Power	800W
Lamp Body Material	Die - casting aluminium
Diffuser	ABS+electroplate
Cover	Tempered glass
Lamp Body Size	385,2*303,2*82mm
Number of LED	95pcs
Battery Capacity	48000mAh
Solar Panel	5V/50W (670*445mm)
Discharge Time	+18h
Discharge Current	3.3V/6A
Luminous Flux	/

ACCESSORIES

RGB - INCLUDED

Remote control - INCLUDED

FLOOD LIGHT WITH CCTV CAMERA PARMA Series

PARMA Series is designed to provide integrated lighting and security services. It has passed CE, UL and other international certifications. The main advantages of PARMA Series include: high-definition monitor, 5G IOT, ultra-low power consumption, strong battery life, signal stability / no disconnection, outstanding luminous efficiency. PARMA Series is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp and the system. Wi-Fi connection is required for monitoring operation that can be viewed remotely in real time, switching lights on and off, or in playback through APP.





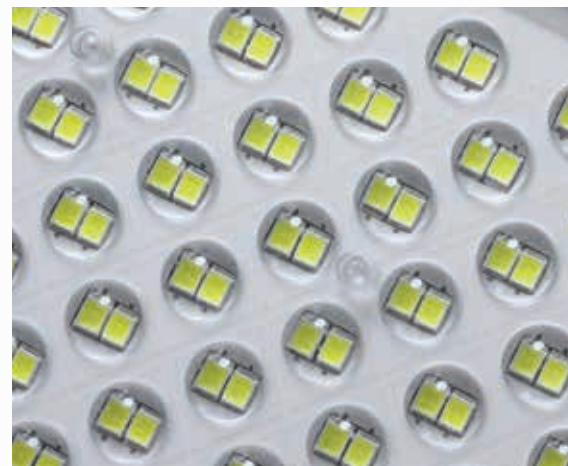
FLOOD LIGHT WITH CCTV CAMERA PARMA Series

HIGH LUMENS AND BRIGHTNESS INCREASE BY 50% PARMA Series adopts the design of LED optical lens. They can effectively gather the ray of the light source to improve the brightness and reduce the light loss. The overall lighting efficiency of this product is improved by 30-50% compared to the traditional reflectors.

P-MOS CHARGING EFFICIENCY INCREASED BY 20% This solar controller uses PWM-controlled P-MOS charging, a unique charge/discharge management system with a high charge/discharge efficiency, with an improvement by 20%.

SMART POWER MANAGEMENT SYSTEM AND AUTOMATIC POWER DISTRIBUTION AT NIGHT PARMA Series has a smart power management system to get high charging efficiency. The system actively identifies the daily recharge and independently rations it for safety in the event of cloudy or rainy days. Using the radar module, a variety of brightness modes can be selected through the remote control, such as bum steady, full radar mode, 3+X mode (steady light for 3 hours, automatically turn to radar after 3 hours), 4+X mode (steady light for 4 hours, automatically turn to radar after 4 hours), and other multiple functions. The most suitable lighting and monitoring plan according to different regions and seasons can be selected.

Radar sensing distance is 6-8 meters.



Lighting mode*

POWER REDUCTION	MODES ON TIME				
	0h/0,5h	0,5h/2h	2h/4h	4h/5h	5h to morning
Auto Model	100-80%	80-60%	60-50%	radar	radar
Normal Mode	100-80%	80-60%	60-50%	50-40%	40-30%
Full Radar Mode	People moving can reduce the power by the proportion of the constant lighting mode, down to 40% with walking by 10%				
3+X	The power is reduced according to the ratio of the constant light mode and after 3 hours the radar sensor will be turned on.				
4+X	The power is reduced according to the ratio of the constant light mode and after 4 hours it will be turned to radar sensor.				

*Note: in the constant light mode, when the cell voltage is lower than 3.0V, the system will automatically switch to radar mode.



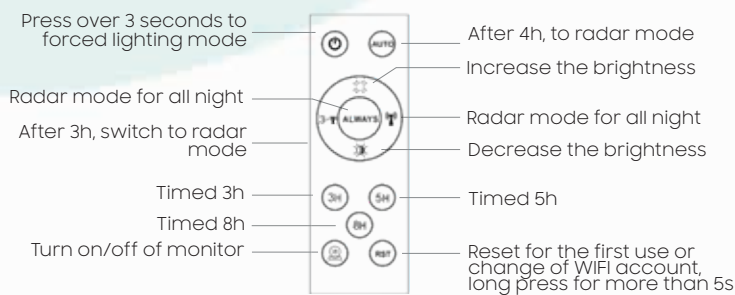
FLOOD LIGHT WITH CCTV CAMERA PARMA Series

STRUCTURAL DESIGN TO REDUCE MAINTENANCE NEEDS

- **Waterproof design**, PARMA Series adopts Snap-On design that does not need to be glued. It has the characteristics of quick assembly and easy opening and an IP 66 waterproof rating.
- **Tableting design**, the battery is fixed by metal pressing and it has the characteristics of not easy falling off, easy disassembling and assembling for environmental protection.

MULTIFUNCTIONAL AND PORTABLE DESIGN FOR WIDER PRACTICAL SCENES PARMA Series is equipped with high-end handles, which can be used as portable lights, emergency lights and other applications.

REMOTE CONTROL LIGHT OPERATED MODE Tightening the waterproof wire and pressing the key "AUTO", the light will automatically turn on in the dark and turn off to charge in the day. The remote control has memory function, you can set only once.



Packing list

Model	Box size	Outer box size	Packing number	Gross weight	Net weight
FLS0 074 PRC 001	36,5*8*36,5cm	66*37,5*38cm	8pcs	19,2Kg	22,2Kg
FLS0 074 PRC 002	51,5*37,2*8,7cm	56*52,5*39cm	6pcs	20,7Kg	24,7Kg
FLS0 074 PRC 003	59,5*8,7*37,2cm	60,5*46*39cm	5pcs	21,25Kg	24,1Kg
FLS0 074 PRC 004	65*37,2*8,7cm	66*37*39cm	4pcs	19,6Kg	22,7Kg



FLOOD LIGHT WITH CCTV CAMERA PARMA Series

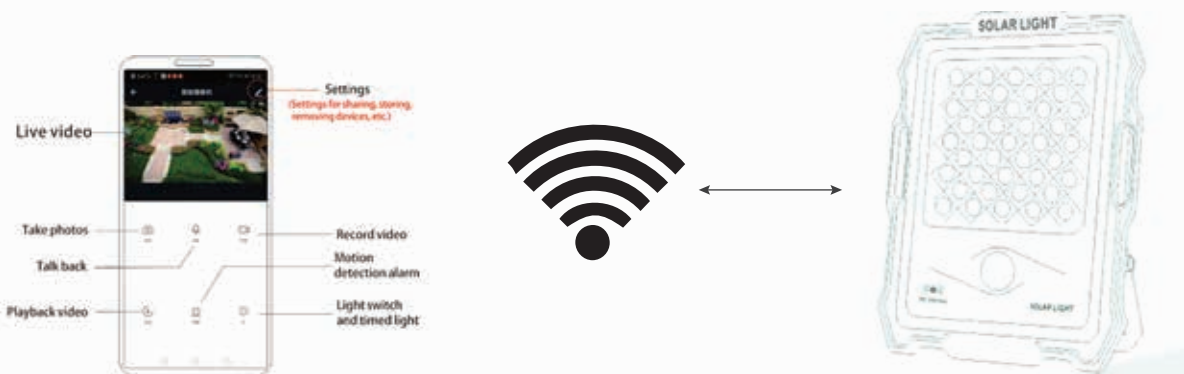
LOW POWER CONSUMPTION MONITORING PROGRAM The ultra-low power monitoring program consumes power less than 5 ampere hours in 24 hours. It means consumption is much lower than similar products on the market with a good rainy day efficiency.

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

SIGNAL STABILITY PARMA Series is designed with the utmost attention to the special outdoor conditions. If Wi-Fi gets disconnected, the product automatically connects to Wi-Fi after recovering, thanks to an enhanced signal with a strong penetration.

INTERNATIONAL APP PLATFORM PARMA Series selects the international famous platform "Tuya Smart" as APP service provider. The platform is compatible with more than 100 national languages. The platform can automatically switch the corresponding language according to the user's mobile phone voice version. Large platforms are more stable, more reliable and more convenient for using, without worrying about potential risks such as background server shut down.

RICH IN FUNCTIONS PARMA Series can remotely switch lights on/off through APP, connecting for monitoring alarm and for many other functions such as photo, video recording, playback.



ITEM	SPECIFICATIONS
Resolution	1080P day and night full-color
Focal Length	4MM
System	Linux
Night Time Visual Range	Better within ten meters
Active Wi-Fi Range	Up to 50 meters if there's no obstacle
APP Platform	Tuya Smart
TF Card	Options from 16G to 128G



FLOOD LIGHT WITH CAMERA CCTV - 100W

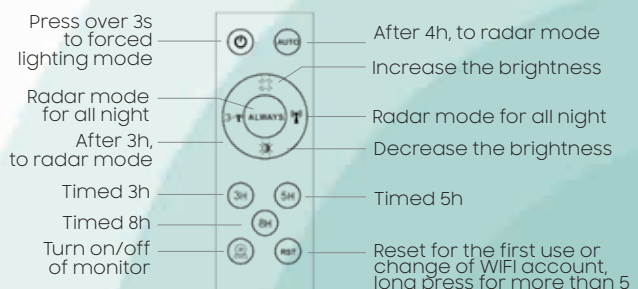
PARMA Series FLS0 074 PRC 001

PARMA Series is designed to provide integrated lighting and security services. It has passed CE, UL and other international certifications. PARMA Series include high-definition monitor, 5G IOT, ultra-low power consumption, strong battery life, signal stability /nodisconnection, outstanding luminous efficiency. It is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp and the system. Wi-Fi connection is required for monitoring operation that can be viewed remotely in real time, switching lights on and off, or in playback through APP.



ITEM	SPECIFICATIONS
Product model	FLS0 074 PRC 001
Led Power	100W
Lamp body material	Die - casting aluminium
Lens material	Polycarbonate
Lamp body size	217*179*45mm
Number of LED	82pcs
Battery capacity	12000mAh
Photovoltaic panel	5V/20W (350*350mm)
Discharge current	3.2V/1.8A
Luminous flux	730lm

ACCESSORIES
Camera CCTV - INCLUDED
Remote control - INCLUDED





FLOOD LIGHT WITH CAMERA CCTV - 200W

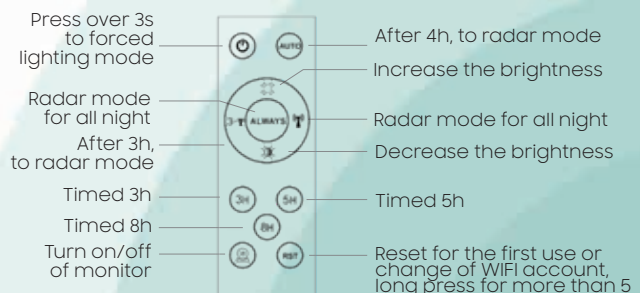
PARMA Series FLS0 074 PRC 002

PARMA Series is designed to provide integrated lighting and security services. It has passed CE, UL and other international certifications. PARMA Series include high-definition monitor, 5G IOT, ultra-low power consumption, strong battery life, signal stability /nodisconnection, outstanding luminous efficiency. It is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp and the system. Wi-Fi connection is required for monitoring operation that can be viewed remotely in real time, switching lights on and off, or in playback through APP.



ITEM	SPECIFICATIONS
Product model	FLS0 074 PRC 002
Led Power	100W
Lamp body material	Die - casting aluminium
Lens material	Polycarbonate
Lamp body size	258*213*45mm
Number of LED	144pcs
Battery capacity	24000mAh
Photovoltaic panel	5V/28W (500*350mm)
Discharge current	3.2V/2.5A
Luminous flux	1160lm

ACCESSORIES
Camera CCTV - INCLUDED
Remote control - INCLUDED





FLOOD LIGHT WITH CAMERA CCTV - 300W

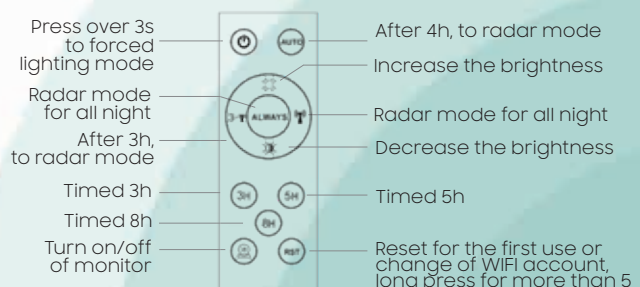
PARMA Series FLS0 074 PRC 003

PARMA Series is designed to provide integrated lighting and security services. It has passed CE, UL and other international certifications. PARMA Series include high-definition monitor, 5G IOT, ultra-low power consumption, strong battery life, signal stability /nodisconnection, outstanding luminous efficiency. It is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp and the system. Wi-Fi connection is required for monitoring operation that can be viewed remotely in real time, switching lights on and off, or in playback through APP.



ITEM	SPECIFICATIONS
Product model	FLS0 074 PRC 003
Led Power	300W
Lamp body material	Die - casting aluminium
Lens material	Polycarbonat
Lamp body size	312*270*50mm
Number of LED	236pcs
Battery capacity	30000mAh
Photovoltaic panel	5V/35W (580*350mm)
Discharge current	3.2V/4A
Luminous flux	2600lm

ACCESSORIES
Camera CCTV - INCLUDED
Remote control - INCLUDED





FLOOD LIGHT WITH CAMERA CCTV - 400W

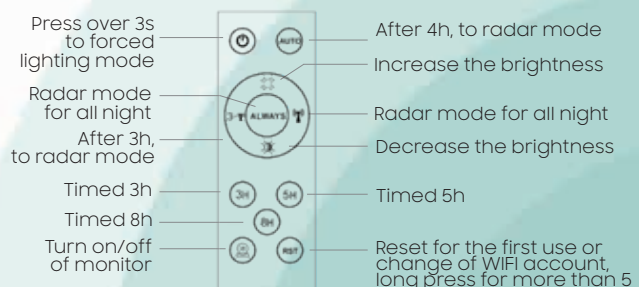
PARMA Series FLS0 074 PRC 004

PARMA Series is designed to provide integrated lighting and security services. It has passed CE, UL and other international certifications. PARMA Series include high-definition monitor, 5G IOT, ultra-low power consumption, strong battery life, signal stability /nodisconnection, outstanding luminous efficiency. It is equipped with a solar panel which can absorb solar energy, convert it into electric energy and recharge the installed lithium battery that provide the energy to the lamp and the system. Wi-Fi connection is required for monitoring operation that can be viewed remotely in real time, switching lights on and off, or in playback through APP.



ITEM	SPECIFICATIONS
Product model	FLS0 074 PRC 004
Led Power	400W
Lamp body material	Die - casting aluminium
Lens material	Polycarbonat
Lamp body size	365*295*50mm
Number of LED	324pcs
Battery capacity	42000mAh
Photovoltaic panel	5V/40W (630*350mm)
Discharge current	3.2V/5A
Luminous flux	3000lm

ACCESSORIES
Camera CCTV - INCLUDED
Remote control - INCLUDED





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