Crest ®

Go Green Go Smart

Product description

CR-AS-STL series put high efficiency mono solar panel,intelligent MPPT charge controller,deep cycle long life LifePO4 battery,high lumen led **CREE** led chip all in one box,easy to install and transportation.

Product features

1.Put solar panel,led chip,charge controller and battery are in one box,professional industrial design team design.

2.Use High end die-cast aluminum forming,with high-end, atmosphere, andic oxidation treatment design appearance,Impact and high temperature resistance,excellent corrosion resistance.

3.With Intelligent power regulation, automatic judgment of weather, reasonable planning of discharge discipline.

4.With intelligent remote control,UVA technology,long distance remote control,Wearable obstacle,have 4 modes lighting mode for choose,adjust brightness function and so on.

Buraq

Solar Street Light

Integrated Solar LED Street Lights

Features:
1. High class Integrated
   die-casting Aluminum alloy case .
2. Lighting mode use intelligence
   radar senor,sensor long distance.
3. 140° view angle,lighting more area.
4. Easy to install,maintance,Auto on/off
5. With remote control

Specifications

Order Code	CR-20008017	
Model	CR-AS30W-STL	
Power	30W	
LED	SMD	
LED Source	CREE	
Luminous Flux of LED Chip	160LM/W- (WW)	170LM/W- (CW)
Color Temperature Available (±200K)	2700~3300K (WW)	5500~6500K (CW)
Beam Angle	140°	
Input Voltage	12/24VDC, (50/60 Hz)	
CRI	Ra≥ 80	
LifePO4 Battert	204WH (A1 Class)	
Solar Panel	18V 40W Imported High Efficiency Monocrystalline Silicon	
Solar Charging Time	6Hours Bright Sunshine	
Cloudy / Rainy Days	10-12 Cloudy / Rainy Days	
Install Pole Diameter	Ø60-65mm (Advice)	
Mounting Height	6-7m (Suggest Install Between Space20-25)	
Remote Control	Yes	
Motion Sensor	Yes	
Working Temperature	-25°C~+65°C	
Humidity	10%~90%	
Certificates	CE, ROHS, IP66, ISO9001	
Protection Class	IP66 (According to IEC-EN 60598)	
Impact Resistant	IK08(According to IEC-EN 62262)	
Material	High end Aluminium) Alloy+Anodizing	
Size (mm)	L840xW380xH200	
Weight (approx)	13 kg	
Life @Tj = 85 °C	50,000 hrs (L80)	

Specifications are subject to change without prior notice

Efficient cooling | Light weight | Easy to Install | Professional design | Waterproof grade: IP65 | 93% High transmittance | Dimmable Optional

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Solar Street Light

Integrated Solar LED Street Lights

Features:

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   die-casting Aluminum alloy case .
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Specifications

Order Code	CR-20008117	
Model	CR-AS40W-STL	
Power	40W	
LED	SMD	
LED Source	CREE	
Luminous Flux of LED Chip	160LM/W- (WW)	170LM/W- (CW)
Color Temperature Available (±200K)	2700~3300K (WW)	5500~6500K (CW)
Beam Angle	140°	
Input Voltage	12/24VDC, (50/60 Hz)	
CRI	Ra⩾ 80	
LifePO4 Battert	286WH (A1 Class)	
Solar Panel	18V 50W Imported High Efficiency Monocrystalline Silicon	
Solar Charging Time	6Hours Bright Sunshine	
Cloudy / Rainy Days	10-12 Cloudy / Rainy Days	
Install Pole Diameter	Ø60-65mm (Advice)	
Mounting Height	7-8m (Suggest Install Between Space20-25)	
Remote Control	Yes	
Motion Sensor	Yes	
Working Temperature	-25°C~+65°C	
Humidity	10%~90%	
Certificates	CE, ROHS, IP66, ISO9001	
Protection Class	IP66 (According to IEC-EN 60598)	
Impact Resistant	IK08(According to IEC-EN 62262)	
Material	High end Aluminium) Alloy+Anodizing	
Size (mm)	L980xW380xH200	
Weight (approx)	14 kg	
Life @Tj = 85 °C	50,000 hrs (L80)	

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5. With remote control

Specifications

Order Code	CR-20008217	
Model	CR-AS50W-STL	
Power	50W	
LED	SMD	
LED Source	CREE	
Luminous Flux of LED Chip	160LM/W- (WW)	170LM/W- (CW)
Color Temperature Available (±200K)	2700~3300K (WW)	5500~6500K (CW)
Beam Angle	140°	
Input Voltage	12/24VDC, (50/60 Hz)	
CRI	Ra≥ 80	
LifePO4 Battert	363WH (A1 Class)	
Solar Panel	18V 60W Imported High Efficiency Monocrystalline Silicon	
Solar Charging Time	6Hours Bright Sunshine	
Cloudy / Rainy Days	10-12 Cloudy / Rainy Days	
Install Pole Diameter	Ø60-65mm (Advice)	
Mounting Height	7-9m (Suggest Install Between Space20-25)	
Remote Control	Yes	
Motion Sensor	Yes	
Working Temperature	-25°C~+65°C	
Humidity	10%~90%	
Certificates	CE, ROHS, IP66, ISO9001	
Protection Class	IP66 (According to IEC-EN 60598)	
Impact Resistant	IK08(According to IEC-EN 62262)	
Material	High end Aluminium) Alloy+Anodizing	
Size (mm)	L1230xW380xH200	
Weight (approx)	17 kg	
Life @Tj = 85 °C	50,000 hrs (L80)	

Specifications are subject to change without prior notice

Efficient cooling · Light weight · Easy to Install · Professional design · Waterproof grade: IP65 · 93% High transmittance · Dimmable Optional

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Solar Street Light

Integrated Solar LED Street Lights

Features:

1. High class Integrated
   die-casting Aluminum alloy case .
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   radar senor,sensor long distance.
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5. With remote control

Specifications

Order Code	CR-20008317	
Model	CR-AS60W-STL	
Power	60W	
LED	SMD	
LED Source	CREE	
Luminous Flux of LED Chip	160LM/W- (WW)	170LM/W- (CW)
Color Temperature Available (±200K)	2700~3300K (WW)	5500~6500K (CW)
Beam Angle	140°	
Input Voltage	12/24VDC, (50/60 Hz)	
CRI	Ra≥ 80	
LifePO4 Battert	447WH (A1 Class)	
Solar Panel	18V 70W Imported High Efficiency Monocrystalline Silicon	
Solar Charging Time	6Hours Bright Sunshine	
Cloudy / Rainy Days	10-12 Cloudy / Rainy Days	
Install Pole Diameter	Ø60-65mm (Advice)	
Mounting Height	7-9m (Suggest Install Between Space20-25)	
Remote Control	Yes	
Motion Sensor	Yes	
Working Temperature	-25°C~+65°C	
Humidity	10%~90%	
Certificates	CE, ROHS, IP66, ISO9001	
Protection Class	IP66 (According to IEC-EN 60598)	
Impact Resistant	IK08(According to IEC-EN 62262)	
Material	High end Aluminium) Alloy+Anodizing	
Size (mm)	L1230xW380xH200	
Weight (approx)	17 kg	
Life @Tj = 85 °C	50,000 hrs (L80)	

Specifications are subject to change without prior notice

Efficient cooling • Light weight • Easy to Install • Professional design • Waterproof grade: IP65 • 93% High transmittance • Dimmable Optional

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Solar Street Light

Integrated Solar LED Street Lights

Features:

1. High class Integrated
   die-casting Aluminum alloy case .
2. Lighting mode use intelligence
   radar senor,sensor long distance.
3. 140° view angle,lighting more area.
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5. With remote control

Specifications

Order Code	CR-20008417	
Model	CR-AS80W-STL	
Power	80W	
LED	SMD	
LED Source	CREE	
Luminous Flux of LED Chip	160LM/W- (WW)	170LM/W- (CW)
Color Temperature Available (±200K)	2700~3300K (WW)	5500~6500K (CW)
Beam Angle	140°	
Input Voltage	12/24VDC, (50/60 Hz)	
CRI	Ra≥ 80	
LifePO4 Battert	610WH (A1 Class)	
Solar Panel	18V 80W Imported High Efficiency Monocrystalline Silicon	
Solar Charging Time	6Hours Bright Sunshine	
Cloudy / Rainy Days	10-12 Cloudy / Rainy Days	
Install Pole Diameter	Ø60-65mm (Advice)	
Mounting Height	8-10m (Suggest Install Between Space20-25)	
Remote Control	Yes	
Motion Sensor	Yes	
Working Temperature	-25°C~+65°C	
Humidity	10%~90%	
Certificates	CE, ROHS, IP66, ISO9001	
Protection Class	IP66 (According to IEC-EN 60598)	
Impact Resistant	IK08(According to IEC-EN 62262)	
Material	High end Aluminium) Alloy+Anodizing	
Size (mm)	L1435xW380xH75	
Weight (approx)	20kg	
Life @Tj = 85 °C	50,000 hrs (L80)	

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Efficient cooling · Light weight · Easy to Install · Professional design · Waterproof grade: IP65 · 93% High transmittance · Dimmable Optional

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Solar Street Light

Integrated Solar LED Street Lights

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5. With remote control

Specifications

Order Code	CR-20008517	
Model	CR-AS100W-STL	
Power	100W	
LED	SMD	
LED Source	CREE	
Luminous Flux of LED Chip	160LM/W- (WW)	170LM/W- (CW)
Color Temperature Available (±200K)	2700~3300K (WW)	5500~6500K (CW)
Beam Angle	140°	
Input Voltage	12/24VDC, (50/60 Hz)	
CRI	Ra⩾ 80	
LifePO4 Battert	732WH (A1 Class)	
Solar Panel	18V 100W Imported High Efficiency Monocrystalline Silicon	
Solar Charging Time	6Hours Bright Sunshine	
Cloudy / Rainy Days	10-12 Cloudy / Rainy Days	
Install Pole Diameter	Ø60-65mm (Advice)	
Mounting Height	9-12m (Suggest Install Between Space20-25)	
Remote Control	Yes	
Motion Sensor	Yes	
Working Temperature	-25°C~+65°C	
Humidity	10%~90%	
Certificates	CE, ROHS, IP66, ISO9001	
Protection Class	IP66 (According to IEC-EN 60598)	
Impact Resistant	IK08(According to IEC-EN 62262)	
Material	High end Aluminium) Alloy+Anodizing	
Size (mm)	L1605xW380xH75	
Weight (approx)	20kg	
Life @Tj = 85 °C	50,000 hrs (L80)	

Specifications are subject to change without prior notice

Efficient cooling · Light weight · Easy to Install · Professional design · Waterproof grade: IP65 · 93% High transmittance · Dimmable Optional

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   die-casting Aluminum alloy case .
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5. With remote control

Specifications

Order Code	CR-20008617	
Model	CR-AS100W-STL	
Power	100W	
LED	SMD	
LED Source	CREE	
Luminous Flux of LED Chip	160LM/W- (WW)	170LM/W- (CW)
Color Temperature Available (±200K)	2700~3300K (WW)	5500~6500K (CW)
Beam Angle	140°	
Input Voltage	12/24VDC, (50/60 Hz)	
CRI	Ra≥ 80	
LifePO4 Battert	732WH (A1 Class)	
Solar Panel	18V 100W Imported High Efficiency Monocrystalline Silicon	
Solar Charging Time	6Hours Bright Sunshine	
Cloudy / Rainy Days	10-12 Cloudy / Rainy Days	
Install Pole Diameter	Ø60-65mm (Advice)	
Mounting Height	9-12m (Suggest Install Between Space20-25)	
Remote Control	Yes	
Motion Sensor	Yes	
Working Temperature	-25°C~+65°C	
Humidity	10%~90%	
Certificates	CE, ROHS, IP66, ISO9001	
Protection Class	IP66 (According to IEC-EN 60598)	
Impact Resistant	IK08(According to IEC-EN 62262)	
Material	High end Aluminium) Alloy+Anodizing	
Size (mm)	L1605xW380xH75	
Weight (approx)	20kg	
Life @Tj = 85 °C	50,000 hrs (L80)	

Specifications are subject to change without prior notice

Efficient cooling Light weight Easy to Install Professional design Waterproof grade: IP65 93% High transmittance Dimmable Optional

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Solar Street Light

Integrated Solar LED Street Lights

Features:

1. High class Integrated
   die-casting Aluminum alloy case .
2. Lighting mode use intelligence
   radar senor,sensor long distance.
3. 140° view angle,lighting more area.
4. Easy to install,maintance,Auto on/off
5. With remote control

Specifications

Order Code	CR-20008717
Model	CR-AS120W-STL
Power	120W
LED	SMD
LED Source	CREE
Luminous Flux of LED Chip	140LM/W- (WW) — 150LM/W- (CW)
Color Temperature Available (±200K)	2700~3300K (WW) — 5500~6500K (CW)
Beam Angle	140°
Input Voltage	12/24VDC, (50/60 Hz)
CRI	Ra≥ 80
LifePO4 Battert	732WH (A1 Class)
Solar Panel	18V 100W Imported High Efficiency Monocrystalline Silicon
Solar Charging Time	6Hours Bright Sunshine
Cloudy / Rainy Days	10-12 Cloudy / Rainy Days
Install Pole Diameter	Ø60-65mm (Advice)
Mounting Height	9-12m (Suggest Install Between Space20-25)
Remote Control	Yes
Motion Sensor	Yes
Working Temperature	-25°C~+65°C
Humidity	10%~90%
Certificates	CE, ROHS, IP66, ISO9001
Protection Class	IP66 (According to IEC-EN 60598)
Impact Resistant	IK08(According to IEC-EN 62262)
Material	High end Aluminium) Alloy+Anodizing
Size (mm)	L1605xW380xH75
Weight (approx)	20kg
Life	@Tj = 85°C	50,000 hrs (L80)

Specifications are subject to change without prior notice

Efficient cooling · Light weight · Easy to Install · Professional design · Waterproof grade: IP65 · 93% High transmittance · Dimmable Optional

Working characters:

The solar panel converts sunlight into electricity and stored in LiFePO4 battery via controller, the LED light will work at night automatically by light sensor control, and provide lighting for the darkness area, the intelligence induction system can save the energy when the high-brightness lighting is not necessary.

User-friendly design, easy to assemble and disassemble

CR-AS-STL series is integrated design,lamp body without glue.Compared with any other design light which Non-removable replacement product, CR-AS-STL design all in one solar lights each parts very easy to maintain and replacement.cut cost also. All the connector have label,all cables use waterproof male and female plug connectors,avoid connect wrong.Styling design,Reflect the rigorous and humane custom spirit of lamps.

High efficiency monocrystalline solar panel

CR-AS-STL design lights use the panel which is made of high efficiency monocrystalline silicon widely used in space stations

and satellites,It's conversion rate can reach 21%,above 20%-30% than polycrystalline silicon,faster charging.

LifePO4 battery.

All in one solar street lights use **A1 level LifePO4 battery**,deep cycle more than 2000times,high temperature resistance,high current discharge.

Double protection

1. Double temperature control system,intelligent controller and LifePO4 battery are with temperature control system,when temperature reach set limit temperature (60°C), Smart controller and lithium battery simultaneously power off,double protection for the safety of lithium batteries

2. An explosion-proof valve is added between each cell of the lithium battery pack,which to prevent the battery from exploding.

LifePO4 battery deep cycle times

Intelligent microwave induction

CR-AS-STL design all in one solar street lights use intelligent microwave induction,sensor more than 12M distance,It's two to three times than traditional PIR motion senor,Have solved traditional microwave induction is easily disturbed.Microwave sensor ensure effective lighting,environmental and energy saving.
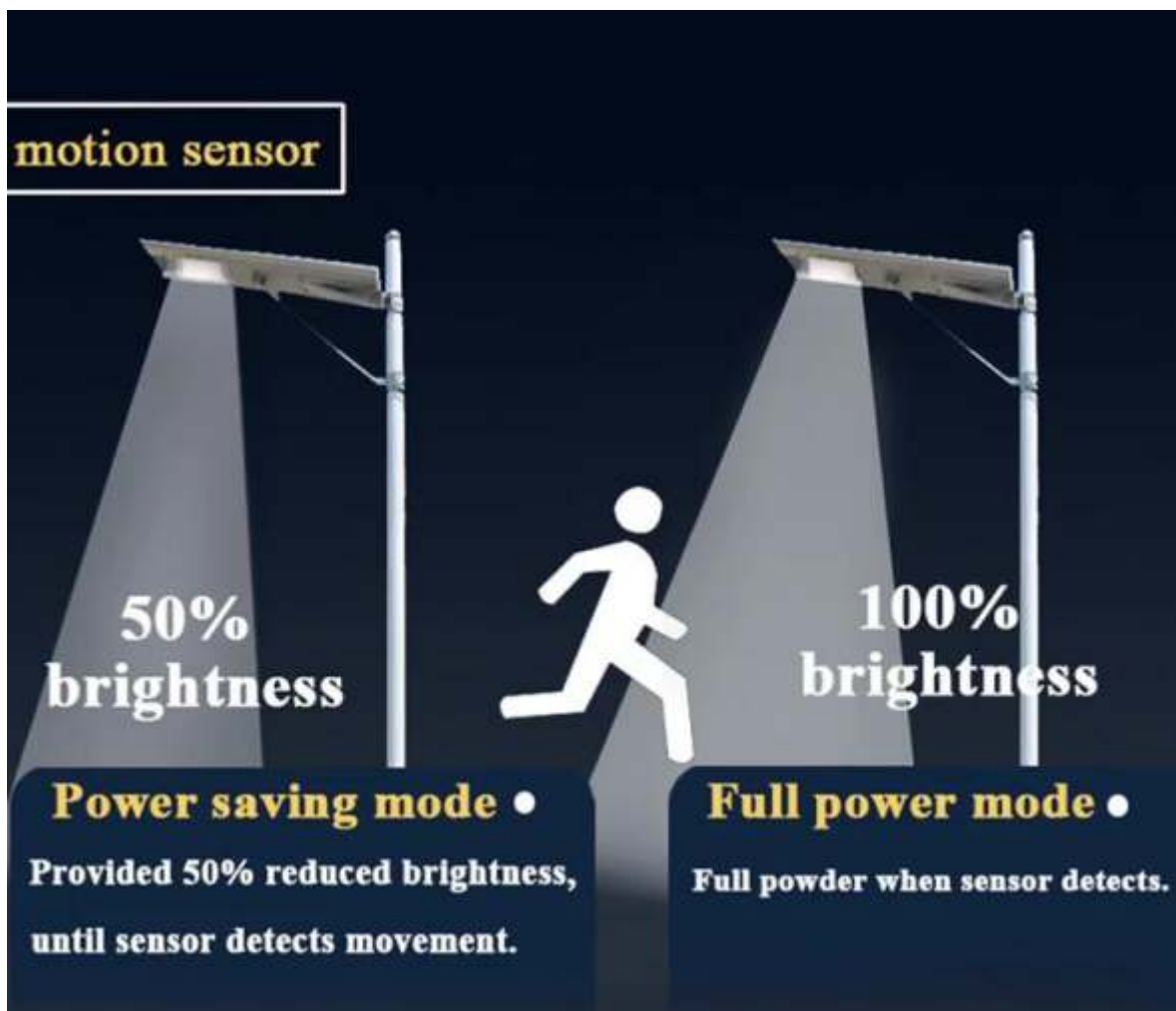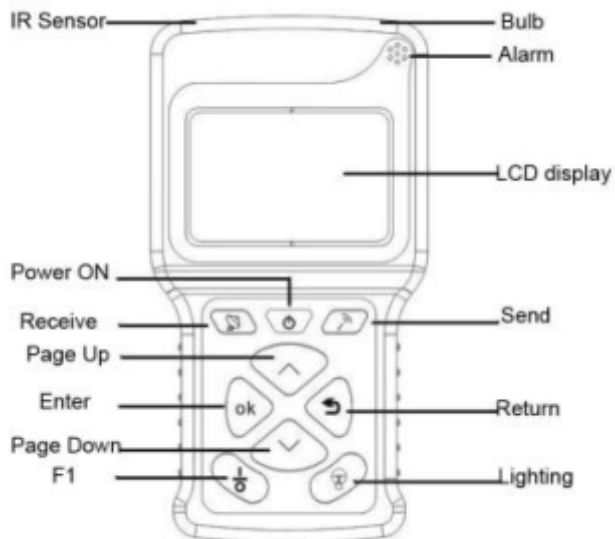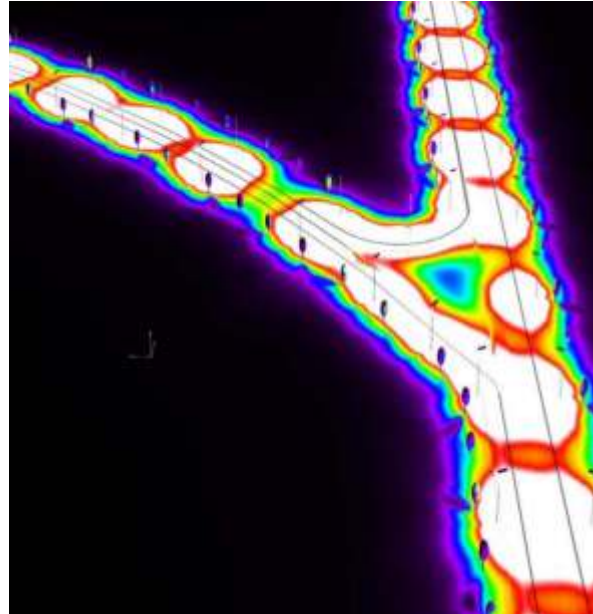
Light distribution   Batwing+Polarized lens,patented lens specially designed,better illumination uniformity improve light effect.
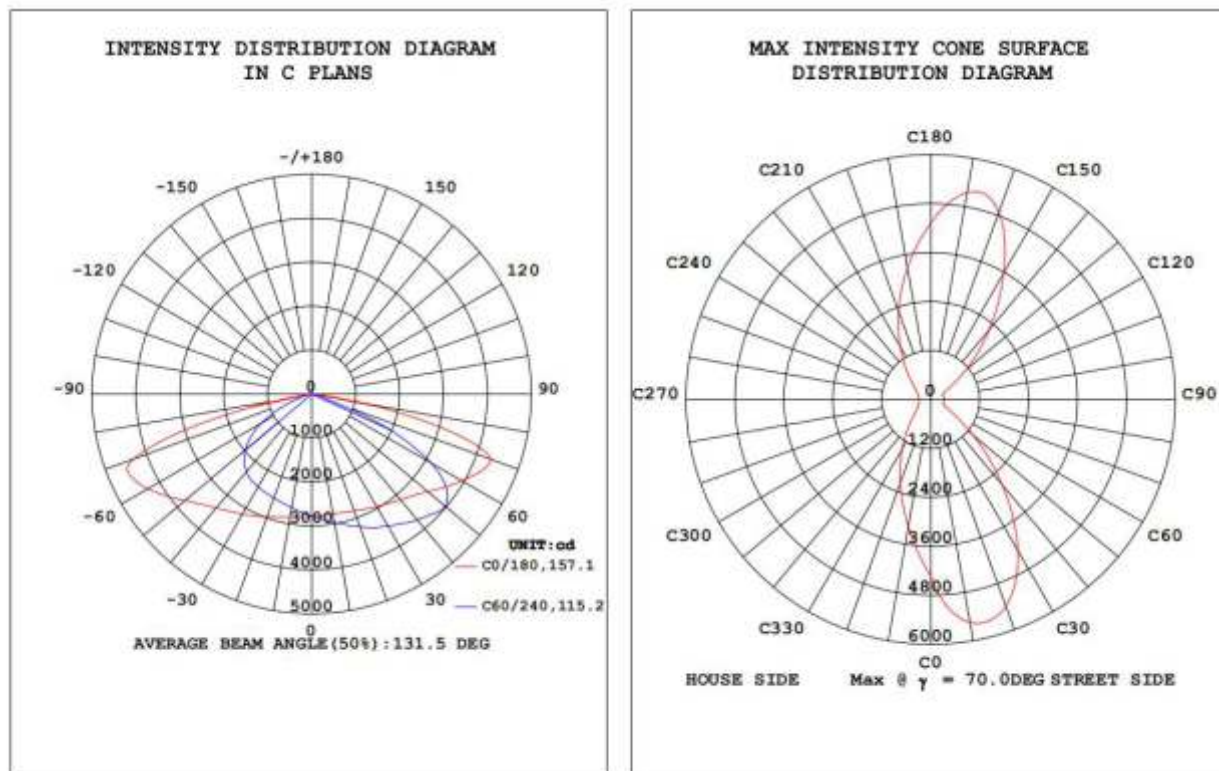
Remote control user manual

Installation simulatiON

Precautions.

1.When installing lights, please take it lightly and gently, and it is strictly forbidden to collide or knock to avoid damage.

2.There should be no tall buildings or trees in front of the solar panels to shield the sunlight, and choose to install without cover.

3.All the screws for installing the lamps need to be tightened and screwed tightly, and there should be no loosening.

4.Since the lighting time and power are set according to the factory specifications,if need special lighting mode should be notified before placing the order.

5.When repairing or replacing the led chip, lithium battery, controller,type and power must be the same as our original,It is strictly forbidden to replace the light source with different power models from any other manufacture.

6.When replacing internal parts, wiring must be strictly in accordance with the corresponding wiring diagram. The positive and negative poles are clearly separated, and reverse connection is strictly prohibited.

Applicable place.

Widely used in branch roads, streets, and factory roads, parks, villages, mountains and remote areas, lighting projects, courtyards, schools,plaza and other places that require outdoor lighting,Helping domestic traditional lighting upgrade to LED green new energy lightin

LED

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