

Outdoor Lighting Catalog

———— 2025 ————

COMPANY PROFILE

Shenzhen Guo Hui Lighting Equipment Co., LTD



SHEN ZHEN SMART ELECTRONICS DESIGN

China Professional Led Light Designer and Manufacturer

Shenzhen Smart Electronics Design Co., Limited was founded in 2008 (Longgang District, Shenzhen City), is a national and Shenzhen level high-tech enterprises, the company specializing in LED lighting R & D, production and sales in one of the integrated enterprises. Main product types are: Solar LED Street Lights, Solar Floodlights, Solar Garden Lights and so on. Our products are widely used in various national key projects and many countries and government projects in the world. We are the main manufacturer of energy-saving projects in China.

Our company has a group of professional technicians engaged in LED semiconductor lighting. After years of development, the products have passed CE, EMC, LVD, RoHS, IEC60598, IEC62722, IEC62471, LM79, IP65, IK08, IEC62619, IEC62133, IEC62620 and other tests and certifications. Obtained ISO9001 quality management system certification. Moreover, it has DIALux simulation, CAD calculation operation and specialized, customized and personalized private mold design and production capabilities. The company has repeatedly obtained product invention patents and appearance patents, which has rapidly improved the company's core competitiveness.

Smart adheres to the concept of innovative service, the pursuit of excellence and sustainable management; Quality first, customer satisfaction, striving for brand as our eternal quality policy, to care for the environment, return to society, care for employees as their own responsibility; The "integrity, responsibility, innovation, team" as the continuous pursuit of the goal of Guohui people. We are willing to work with partners to win!



Remote Control



Save energy



Solar



High brightness



IP65



High capacity battery



long-life



MPPT



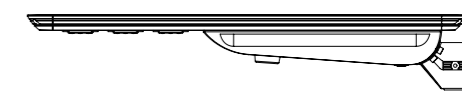
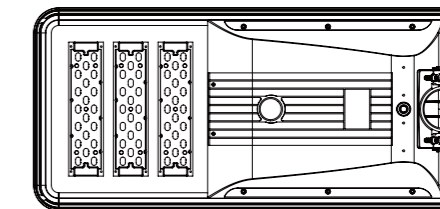
PRODUCT DESCRIPTION

1. Easy to install and maintain, with replaceable battery compartment.
2. Lithium LifePO4 battery, long lasting can support 3-5 rainy days.
3. Brand new cell, Cycle times up to 2500+, lifespan 6-8 years.
4. High lumen up to 200lm/w. Lumileds Led chip.
5. Monocry-silicon solar panel with MPPT controller for fast charging 4-6 hours.
6. Lifespan up to 50000 hours.
7. Optical Lens : High transmittance, soft light, long life.

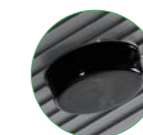
ALL IN ONE SOLAR STREET LIGHT LKH SERIES



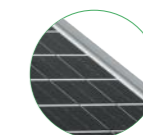
30W
-
120W



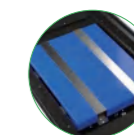
Luminous efficiency
200LM/W



Microwave
Sensor



High Efficiency
Monocrystalline
Solar Panel



Brand A grade
new Lithium
LifePO4 battery

Product Parameter

MODEL NUMBER	LKH-30W	LKH-40W	LKH-60W	LKH-80W	LKH-100W	LKH-120W
Power	30W	40W	60W	80W	100W	120W
Solar Panel	18V/50W Mono	18V/60W Mono	18V/80W Mono	18V/105W Mono	18V/130W Mono	18V/150W Mono
Battery	Lithium LifePO4 battery 3.2V 72AH(231WH)	Lithium LifePO4 battery 3.2V 100AH(320Wh)	Lithium LifePO4 battery 12.8V/30AH(384Wh)	Lithium LifePO4 battery 12.8V/45AH(576Wh)	Lithium LifePO4 battery 12.8V/60AH(768Wh)	Lithium LifePO4 battery 12.8V/75AH(960Wh)
LED	4 cores high efficiency smd 3030 96PCS	4 cores high efficiency smd 3030 144PCS	4 cores high efficiency smd 3030 192PCS	4 cores high efficiency smd 3030 240PCS	4 cores high efficiency smd 3030 288PCS	4 cores high efficiency smd 3030 336PCS
Product Size	828*408*150mm	933*408*150mm	1173*408*150mm	1388*408*150mm	1603*408*150mm	2006*408*150mm
Net Weight	10.5KG	11.5KG	13.5KG	16KG	18.5KG	22KG
Material	Die casting Aluminum + PMMA					
Efficacy	200LM/W					
Solar panel conversion efficiency	23.8%					
Luminous Flux	6000LM	8000LM	12000LM	16000LM	20000LM	24000LM
Controller	MPPT controller					
Light angle	75°155° / transmittance: >95%					
Cloud platform system management	lot Control Management System (optional)					
Lighting Method	Intelligent control +Microwave induction + segmented time control					
Discharge time	3-5 rainy days					
Installation Height Recommended	5-6m	6-8m	8-10m	10-12m	12-15m	15-18m



Easy to install

All in one structure, adjustable tilt Angle 0 to 15 degrees, column top and lateral mounting position, required cable-free trenching



Intelligent PIR motion sensor

The built-in PIR sensor can detect people's smoke by dimming the light to save energy.



Long-life

Aluminum die-cast construction and LiFePO4 battery.



Smart

Battery charging and discharging LED indicator self-diagnosis.



Suitable for harsh environments

Waterproof, dustproof, corrosion resistant. Extreme weather conditions, IP65 certification, 1000 hours of salt spray testing.



Strong seasonal flexibility

Smart hybrid charging ensures full battery capacity every day.



Solar energy mixing

Retrofits can be made on existing 220VAC infrastructure and utility poles.





Remote Control



Save energy



Solar



High brightness



IP65



High capacity battery



long-life



MPPT

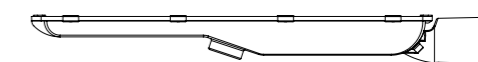
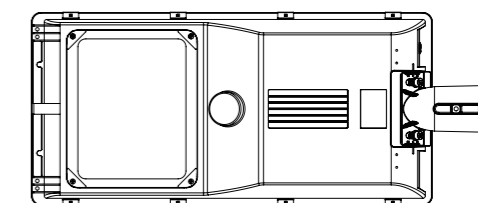
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4. High lumen up to 200lm/w. Lumileds Led chip.
5. Monocry-silicon solar panel with MPPT controller for fast charging 4-6 hours.
6. Lifespan up to 50000 hours.
7. Optical Lens : High transmittance, soft light, long life.

ALL IN ONE SOLAR STREET LIGHT LKL SERIES



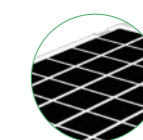
15W
-
20W



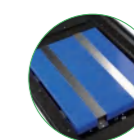
Luminous efficiency
200LM/W



Microwave
Sensor



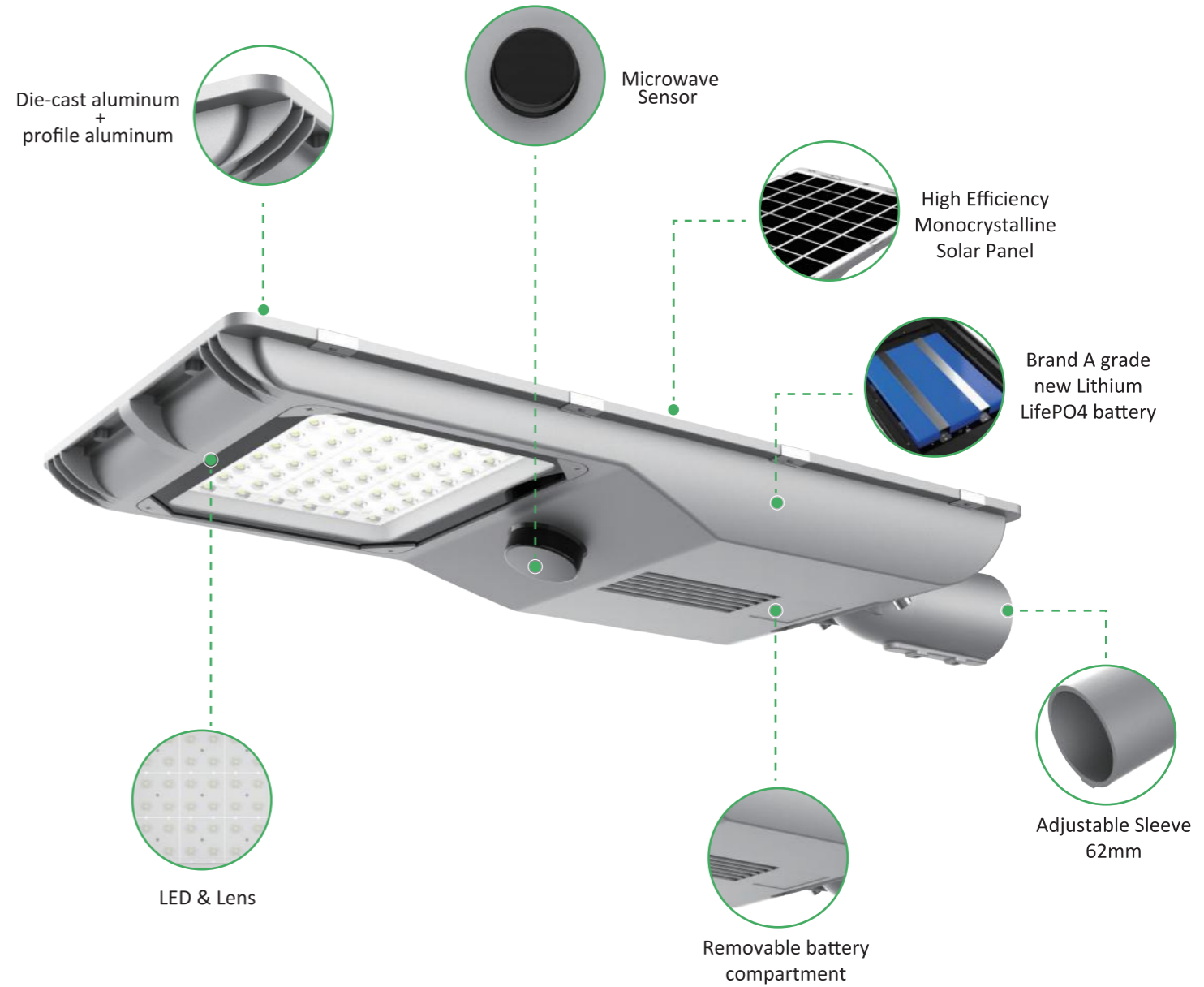
High Efficiency
Monocrystalline
Solar Panel



Brand A grade
new Lithium
LifePO4 battery

Product Parameter

MODEL NUMBER	LKL-15W	LKL-20W
Power	15W	20W
Solar Panel	18V/35W Mono	18V/35W Mono
Battery	Lithium iron phosphate 3.2V 30AH	Lithium iron phosphate 3.2V 52AH
LED	SMD3030,192PCS	SMD3030,192PCS
Product Size	755*305*100mm	755*305*100mm
Net Weight		
Material	Die casting Aluminum + PMMA	
Efficacy	200LM/W	
Solar panel conversion efficiency	23.8%	
Luminous Flux	3000LM	4000LM
Controller	MPPT controller	
Light angle	70°140° / transmittance: >95%	
Cloud platform system management	IoT Control Management System (optional)	
Lighting Method	Microwave induction + segmentation time control + intelligent control	
Discharge time	3-5 rainy days	
Installation Height Recommended	4-5m	5-6m



Easy to install

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Long-life

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Solar energy mixing

Retrofits can be made on existing 220VAC infrastructure and utility poles.





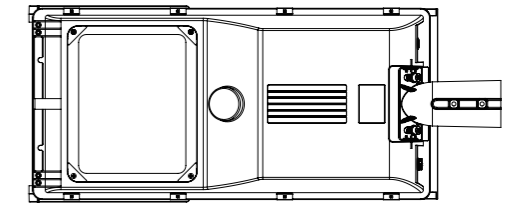
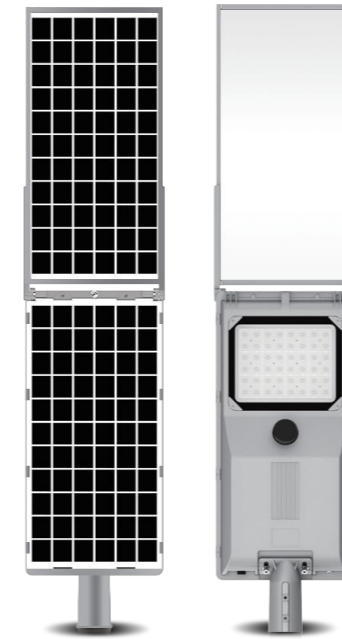
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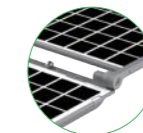


ALL IN ONE SOLAR STREET LIGHT LKL FOLDABLE SERIES

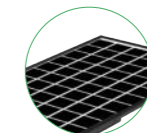
30W
-
40W



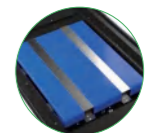
Luminous efficiency
200LM/W



Separable



High Efficiency
Monocrystalline
Solar Panel



Brand A grade
new Lithium
LifePO4 battery

Product Parameter

MODEL NUMBER	LKL-30W	LKL-40W
Power	30W	40W
Solar Panel	18V/70W(35W*2) Mono	18V/70W(35W*2) Mono
Battery	Lithium iron phosphate 3.2V 75AH	Lithium iron phosphate 3.2V 100AH
LED	SMD3030,288PCS	SMD3030,288PCS
Product Size	1375*315*112mm	1375*315*112mm
Material	Die casting Aluminum + PMMA	
Efficacy	200LM/W	
Solar panel conversion efficiency	23.8%	
Luminous Flux	6000LM	8000LM
Controller	MPPT controller	
Light angle	70*140° / transmittance: >95%	
Cloud platform system management	IoT Control Management System (optional)	
Lighting Method	Microwave induction + segmentation time control + intelligent control	
Discharge time	3-5 rainy days	
Installation Height Recommended	6-7m	7-8m



Easy to install

All in one structure, adjustable tilt Angle 0 to 15 degrees, column top and lateral mounting position, required cable-free trenching



Intelligent PIR motion sensor

The built-in PIR sensor can detect people's smoke by dimming the light to save energy.



Long-life

Aluminum die-cast construction and LiFePO4 battery.



Smart

Battery charging and discharging LED indicator self-diagnosis.



Suitable for harsh environments

Waterproof, dustproof, corrosion resistant. Extreme weather conditions, IP65 certification, 1000 hours of salt spray testing.



Strong seasonal flexibility

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Solar energy mixing

Retrofits can be made on existing 220VAC infrastructure and utility poles.

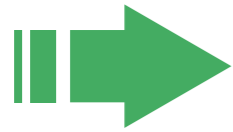


Case presentation



LKG

INTEGRATED SOLAR STREET LAMP



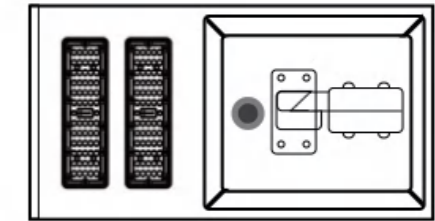
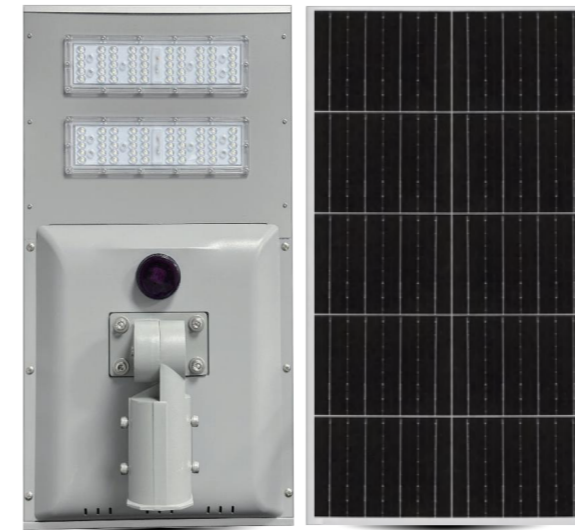
PRODUCT DESCRIPTION

1. The radiator is made of 6063 aluminum, which is treated with thick anti-corrosion spray paint.
2. There is no need for additional wiring, which saves money; multiple mounting brackets can be installed in pipes, arms, etc.
3. Direct light emitting design, high light transmittance PC lens, light transmittance above 93%.
4. Genuine imported chip lamp beads, high luminous efficiency, low light decay, high energy saving efficiency.
5. High thermal conductivity aluminum substrate and radiator. low temperature rise, good heat dissipation of the whole lamp and more guaranteed lifespan.
6. Open the power box and accessories can be replaced at will.
7. Lightning protection: Lightning protection level 4K higher level can be set.
8. IP65 Waterproof for outdoor use.



ALL IN ONE SOLAR STREET LIGHT LKG SERIES

20W
-
80W



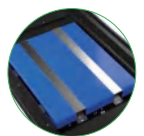
Luminous efficiency 200LM/W



Sensor



Adapter adjustable



Brand A grade new Lithium LifePO4 battery

Product Parameter

MODEL NUMBER	LKG-20W	LKG-30W	LKG-40W	LKG-60W	LKG-80W
Power	20W	30W	40W	60W	80W
Solar Panel	18V/35W Mono	18V/50W Mono	18V/60W Mono	18V/80W Mono	18V/100W Mono
Battery	Lithium LifePO4 battery 3.2V,36AH	Lithium LifePO4 battery 3.2V,76AH	Lithium LifePO4 battery 3.2V,100AH	Lithium LifePO4 battery 12.8V,30AH	Lithium LifePO4 battery 12.8V,45AH
LED	4 cores high efficiency smd 3030 100PCS	4 cores high efficiency smd 3030 150PCS	4 cores high efficiency smd 3030 200PCS	4 cores high efficiency smd 3030 250PCS	4 cores high efficiency smd 3030 300PCS
Product Size	638*345*160mm	838*345*160mm	996*345*160mm	1318*345*160mm	1655*345*160mm
Net Weight	6.9KG	9.0KG	10.5KG	13KG	18.5KG
Material	Die casting Aluminum + PMMA				
Efficacy	200LM/W				
Solar panel conversion efficiency	23.8%				
Luminous Flux	4000LM	6000LM	8000LM	12000LM	16000LM
Controller	MPPT controller				
Light angle	70°*140° / transmittance: >95%				
Lighting Method	Intelligent control + Microwave induction + segmented time control				
Discharge time	3-5 rainy days				
Installation Height Recommended	4-5m	5-6m	6-8m	8-10m	10-12m



Easy to install

All in one structure, adjustable tilt Angle 0 to 15 degrees, column top and lateral mounting position, required cable-free trenching



Intelligent PIR motion sensor

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Long-life

Aluminum die-cast construction and LiFePO4 battery.



Smart

Battery charging and discharging LED indicator self-diagnosis.



Suitable for harsh environments

Waterproof, dustproof, corrosion resistant. Extreme weather conditions, IP65 certification, 1000 hours of salt spray testing.



Strong seasonal flexibility

Smart hybrid charging ensures full battery capacity every day.



Solar energy mixing

Retrofits can be made on existing 220VAC infrastructure and utility poles.





LKF

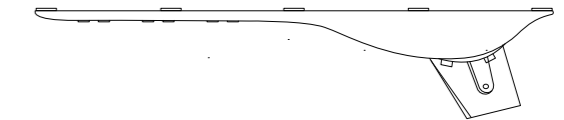
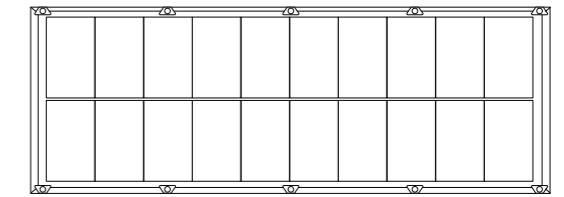
INTEGRATED SOLAR STREET LAMP

PRODUCT DESCRIPTION

1. The radiator is 6063 aluminum and is treated with thickened anti-corrosion spray paint.
2. Direct luminous design, high transmittance PC lens, transmittance of more than 90%
3. No additional wiring required, save money, multiple mounting brackets
4. High lumen up to 200lm/w. Lumileds Led chip.
5. 3 years warranty commitment, lifetime cost price maintenance.

ALL IN ONE SOLAR STREET LIGHT LKL FOLDABLE SERIES

20W
-
40W



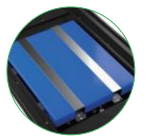
Luminous efficiency
200LM/W



Separable



High Efficiency
Monocrystalline
Solar Panel



Brand A grade
new Lithium
LifePO4 battery

Product Parameter

MODEL NUMBER	LKL-20W	LKL-30W	LKL-40W
Power	20W	30W	40W
Solar Panel	18V/40W Mono	18V/50W Mono	18V/65W Mono
Battery	Lithium iron phosphate 3.2V,36AH	Lithium iron phosphate 3.2V,76AH	Lithium iron phosphate 3.2V,100AH
LED	SMD5050, 16PCS	SMD5050, 24PCS	SMD5050, 32PCS
Product Size	760*430*150mm	910*430*150mm	1160*430*150mm
Net Weight	7.3KG	8.9KG	11.5KG
Material	Die casting Aluminum + PMMA		
Efficacy	200LM/W		
Solar panel conversion efficiency	23.8%		
Luminous Flux	4000LM	6000LM	8000LM
Controller	PWM, MPPT optional		
Light angle	75°155° / transmittance: >95%		
Temperature	0-55°C		
Lighting Method	Microwave induction+ segmentation time control+ intelligent control		
Discharge time	3-5 rainy days		
Installation Height Recommended	4-5m	5-6m	6-8m



Case presentation



Easy to install

All in one structure, adjustable tilt Angle 0 to 15 degrees, column top and lateral mounting position, required cable-free trenching



Intelligent PIR motion sensor

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Long-life

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Smart

Battery charging and discharging LED indicator self-diagnosis.



Suitable for harsh environments

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Strong seasonal flexibility

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Solar energy mixing

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TYD

COURTYARD

SOLAR STREET LAMP

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1. The radiator is made of ADC12 die-cast aluminum and is treated with thickened anti-corrosion spray paint.
2. Direct luminous design, high transmittance PC lens, transmittance of more than 90%.
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COURTYARD SOLAR STREET LIGHT LKL SERIES

15W
-
30W



Product Pamameter

MODEL NUMBER	TYD-15W	TYD-20W	TYD-30W
Power	15W	20W	30W
Solar Panel	6V/30W Mono	6V/40W Mono	6V/40W Mono
Battery	Lithium iron phosphate 3.2V,30AH	Lithium iron phosphate 3.2V,50AH	Lithium iron phosphate 3.2V,70AH
LED	SMD3030, 144PCS	SMD3030, 144PCS	SMD3030, 168PCS
Product Size	φ626*110mm	φ626*110mm	φ626*110mm
Net Weight	5.85KG	6.5KG	7.35KG
Material	Die casting Aluminum + PMMA		
Efficacy	200LM/W		
Solar panel conversion efficiency	23.8%		
Luminous Flux	3000LM	4000LM	6000LM
Controller	PWM, MPPT optional		
Light angle	120°		
Temperature	0-55°C		
Lighting Method	Infrared sensing + segmented time control + intelligent control		
Discharge time	3-5 rainy days		
Installation Height Recommended	3-4m	4-5m	5-6m



Easy to install

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