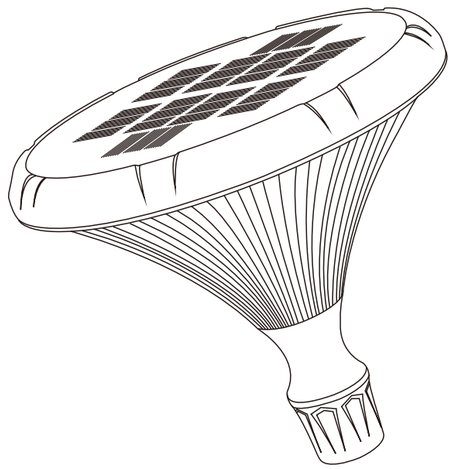


Solar Garden Light



Original design, patent appearance

ZHOUSHAN ZHIAOAI LIGHTING CO., LTD. IS A PROFESSIONAL MANUFACTURER OF SOLAR LED LAMPS. OUR COMPANY MAINLY PRODUCE OUTDOOR ROAD LIGHTS, SOLAR ENERGY LAMP, LAMP, LANDSCAPE LAMP, SQUARE, WHARF, COURTYARD AND INDOOR INDUSTRIAL LIGHTING.

Patent no. 2019 3 0501116.7

IP65 CE RoHS





AC Powered version

The lamp body is made of thickened die-cast aluminum, which has high strength, strong impact resistance and good corrosion resistance.

Power supply with voltage 220-240V

The light source uses E27 screw light source to achieve uniform distribution of light and greatly improve the lighting effect.







Solar Powered version

The lamp body is made of thickened die-cast aluminum, which has high strength, strong impact resistance and good corrosion resistance.

High-efficiency monocrystalline solar panels, power up to 16W.

Built-in LiFePO4 battery, capacity 16000MAH, long lifespan and safe.



Color temperature data-AC powered version



6500K/White light



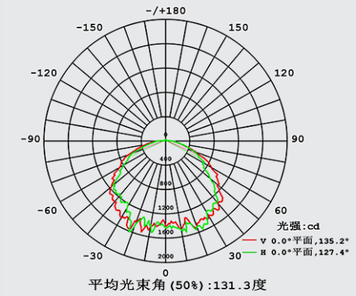
3000K/Warm white

Lumen

3000K:
Color rendering index: 78.86Ra

6500K:
Color rendering index: 79.63Ra

Light distribution curve



平均光束角(50%):131.3度



TYPE:

The 220V voltage is mainly used in environments without sunlight, such as being shaded by trees, houses, etc., and buildings that bl ock sunlight, resulting in short charging time and unable to achiev e normal battery life and lighting time.

Color temperature data-Solar powered version



6500K/White light



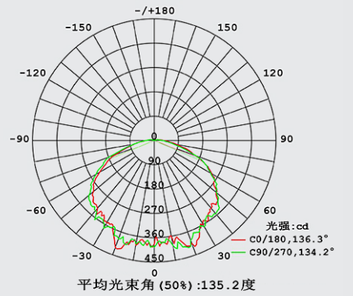
3000K/Warm white

Lumen

3000K:
Luminous flux:874lm Color rendering index:78.86Ra

6500K:
Luminous flux:980lm Color rendering index:79.63Ra

Light distribution curve



平均光束角(50%):135.2度



TYPE:

This light type is mainly used in villa gardens, parking areas, park squares, community scenic spots, villa courtyards, and modern architectural lighting environments. 180-degree light, the lamp is suitable for installation height of 2.5~4 meters.

Parameter–AC powered version

Item +	
Solar garden light	GGD–003
Specification +	
Light source	E27
Material	Die–casting aluminum+PC lampshade
Lamp color	Black (Other colors can be customized)
Net weight (kg)	2.2kg
Product size(mm)	ϕ 410mm x 78mm x H383mm
Installation diameter (mm)	ϕ 76mm
Installation height	2.5m–4m
Parameter+	
Rated power (W)	25W
Input voltage (V)	AC220–240V
Color temperature	3000K – 6500K
Color rendering index	CRI > 79
Beam angle	180°
Rated frequency	50Hz
waterproof level	IP65
Working environment+	
Operating temperature	–25℃~ 50℃
Working humidity	10%–90%

Parameter–Solar powered version

Item+	
Solar garden light	GGD–003
Specification+	
Monocrystalline solar panel (W)	16W / 5V
Battery （MAH)	3.2V / 16000mAh
Light source	2835 SMD LED chip
LED Chip quantity (pcs)	80pcs
Material	Die–casting aluminum+PC lampshade
Lamp color	Black (Other colors can be customized)
Net weight (kg)	3.49kg
Size (mm)	ϕ410mm x 78mm x H383mm
Installation diameter (mm)	ϕ 76mm
Installation height	2.5m–4m
Parameter+	
Rated power (W)	16W
Input voltage (V)	DC 3.2V
Color temperature(K)	3000K – 6500K
Lumen (lm)	874lm(3000K)、980lm(6500K)
Color rendering index	CRI > 79
Working hours （Lighting sensor)	12hours （3~5 rainy days)
Waterproof level	IP65
Beam angle	180°
Working environment+	
Operating temperature	–25℃~ 50℃
Working humidity	10%–90%

Lamp size diagram



Inner diameter Φ76mm

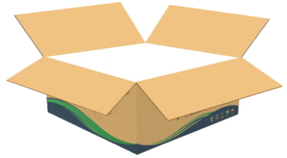


Inner diameter Φ76mm

Packaging Information



LED garden light*1



Inner foam

Outer box

Version	Package	Quantity	Carton quantity	Carton size（mm）	Net weight kg	Gross weight kg
Solar powered	Inner box	/	/	/	/	/
	Middle cylinder	1	1	410 x 410 x 410	3.49	4.38
AC powered	Inner box	/	/	/	/	/
	Middle cylinder	1	1	410 x 410 x 410	2.2	3.09

Gross and net weights are for reference only

Lighting Features



Thick die-cast aluminum

One-piece molding, high strength and rigidity



Design principle

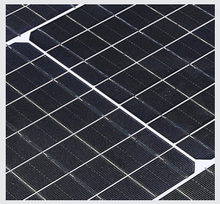
Inspired by the Diamond clover design



IP65 waterproof level

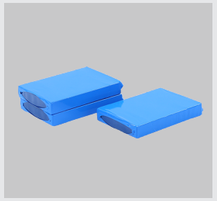
No fear of wind and rain, normal lights on rainy days





Monocrystalline solar panel

Efficient conversion of photovoltaic panels, which can quickly absorb energy and charge normally in rainy weather



LiFePO4 battery

Built-in 16AH large-capacity battery, high safety pe rformance, long lifespan, more than 2000 charge an d discharge cycles, fast charging rate





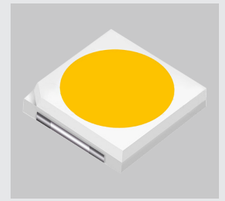
Push-button waterproof switch

After turning on the switch, you need to wait for 10s
(Solar lights need to be turned on in the dark)



PC optical lens

Wide irradiated area, light transmittance up to 90%



High lumen 2835 chip

High-power LED chip, bright light, lifespan can reach 80,000-100,000 hours



Thick die-cast aluminum

All-aluminum lamp body,waterproof and durable
Put it into the light pole and fix it with 4 hexagonal screws, the inner diameter is 76mm

Diamond/ Courtyard Lighting

TYPE: This light type is mainly used in villa gardens, parking areas, park squares, community scenic spots villa co urtyards and modern architectural lighting environme nts.180-degree light, the lamp is suitable for installat ion height of 2.5~4 meters.





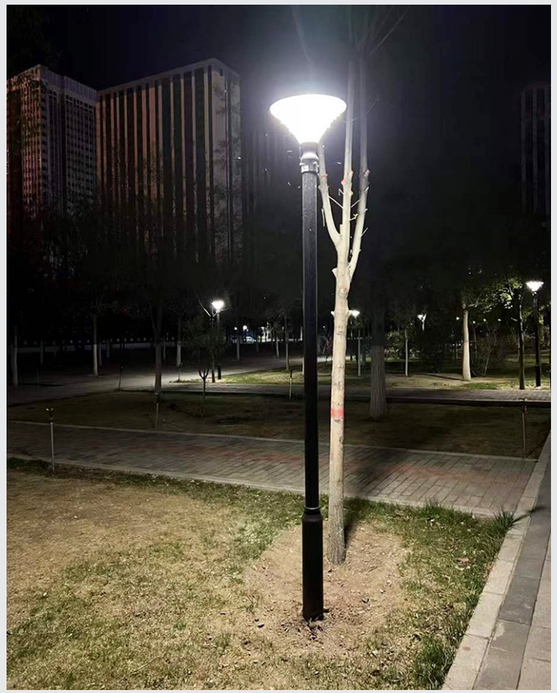




Project case







Project case





