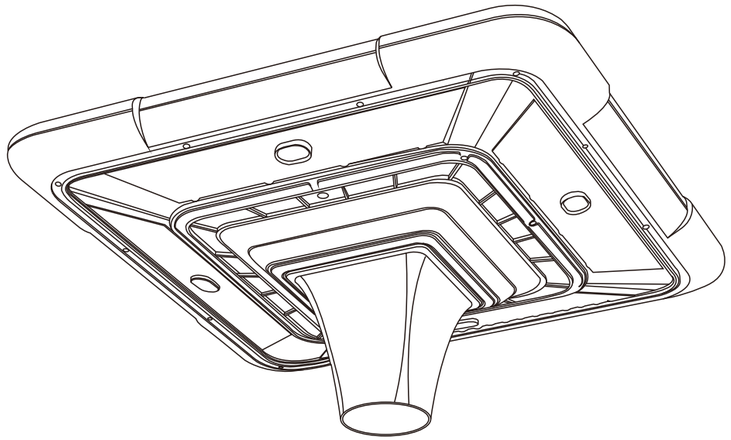


Solar Garden Light



Original design, patent appearance

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

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 4 modules LEDs to achieve unifor m 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 48W.

Built-in LiFePO4 battery, capacity 60000MAH, long lifespan and safe.



Color temperature data-AC powered version



6500K/White light



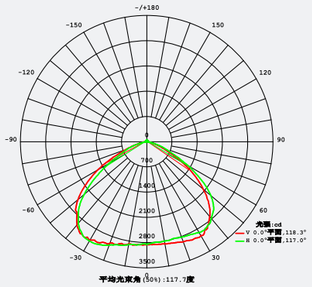
3000K/Warm white

Lumen

3000K:
Luminous flux:9296lm Color rendering index:79.12Ra

6500K:
Luminous flux:9411lm Color rendering index:80.09Ra

Light distribution curve





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



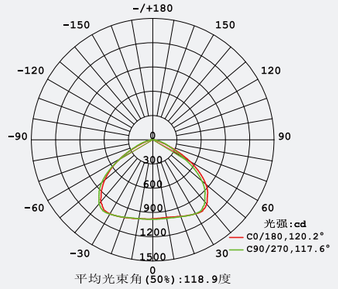
3000K/Warm white

Lumen

3000K:
Luminous flux:3539lm Color rendering index:79.12Ra

6500K:
Luminous flux:3636lm Color rendering index:80.09Ra

Light distribution curve





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 3~6 meters.

Parameter–AC powered version

Item +	
AC Garden light	TYD–2505
Specification +	
Light source	3030 SMD LED chip
LED Chip quantity (pcs)	208pcs
Material	Die–casting aluminum+PC lens
Lamp color	Black (Other colors can be customized)
Net weight (kg)	6.59kg
Product size(mm)	580mm x 580mm x H255mm
Installation diameter (mm)	ϕ 76mm
Installation height	3m–6m

Parameter+	
Rated power (W)	80W
Input voltage (V)	AC220–240V
Color temperature	3000K – 6500K
Lumen (lm)	9296lm(3000K)、9411lm(6500K)
Color rendering index	CRI > 80
Beam angle	360°
Rated frequency	50Hz
waterproof level	IP65

Working environment+	
Operating temperature	–25℃~ 50℃
Working humidity	10%–90%

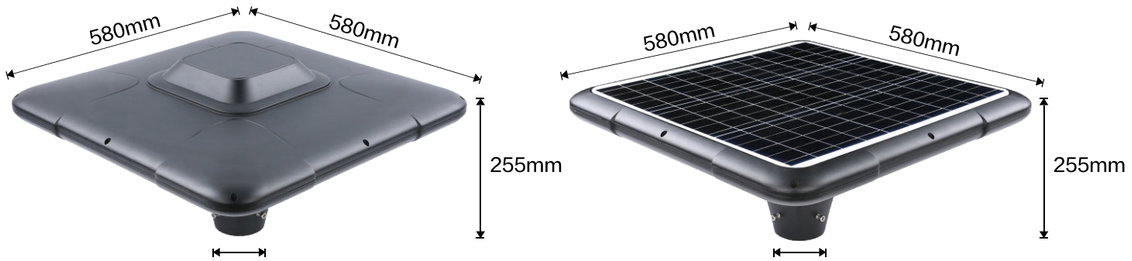
Parameter–Solar powered version

Item+	
Solar garden light	TYD–2505
Specification+	
Monocrystalline solar panel (W)	48W / 5V
Battery （MAH)	3.2V / 60000mAh
Light source	5054 SMD LED chip
LED Chip quantity (pcs)	208pcs
Material	Die–casting aluminum+PC lens
Lamp color	Black (Other colors can be customized)
Net weight (kg)	8.85kg
Size (mm)	580mm x 580mm x H255mm
Installation diameter (mm)	ϕ 76mm
Installation height	3m–6m

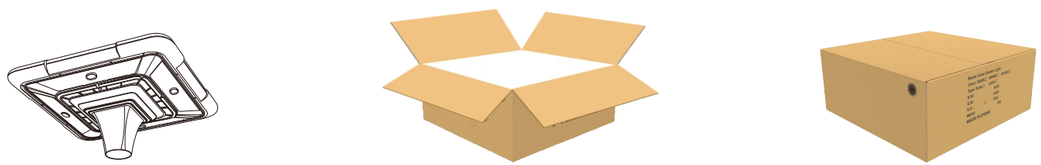
Parameter+	
Rated power (W)	48W
Input voltage (V)	DC 3.2V
Color temperature(K)	3000K – 6500K
Lumen (lm)	3539lm(3000K)、3636lm(6500K)
Color rendering index	CRI > 80
Working hours （ Lighting sensor)	12hours （ 3~5 rainy days)
Waterproof level	IP65
Beam angle	360°

Working environment+	
Operating temperature	–25℃~ 50℃
Working humidity	10%–90%

Lamp size diagram



Packaging Information



LED garden light | 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	585 x 585 x 330	8.85	10.55
AC powered	Inner box	/	/	/	/	/
	Middle cylinder	1	1	585 x 585 x 330	6.59	8.28

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 UFO clover design



IP65 waterproof level

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



lamp details



High lumen 5054 chip

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



PC optical lens

Wide irradiated area, light transmittance up to 90%





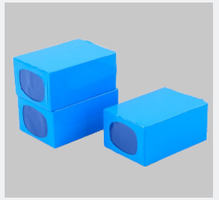
Thick die-cast aluminum

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



Monocrystalline solar panel

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



LiFePO4 battery

Built-in 60AH large-capacity battery, high safety performance, long lifespan, more than 2000 charge and 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)

Square UFO/
Courtyard Lighting

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 3~6 meters.



