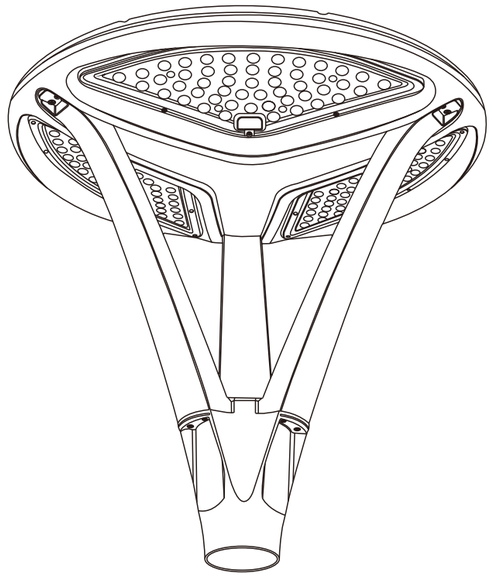


Solar Garden Light

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.



Patent no：ZL 2023 3 0622800.7

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 3 modules LEDS to achieve uniform distribution of light and greatly improve the lighting effect.







Solar-powered versio

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 36W.

Built-in LiFePO4 battery, capacity 45000MAH, long lifespan and safe.



Color temperature data–AC powered version



6500K / White light



3000K / Warm white

Lumen

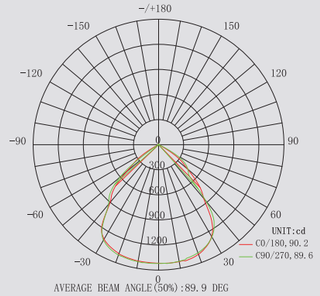
3000K:

Luminous flux:6198lm Color rendering index:79.16Ra

6500K:

Luminous flux:6363lm Color rendering index:81.19Ra

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 block sunlight, resulting in short charging time and unable to achieve normal battery life and lighting time.

Color temperature data–Solar powered version



6500K / White light



3000K / Warm white

Lumen

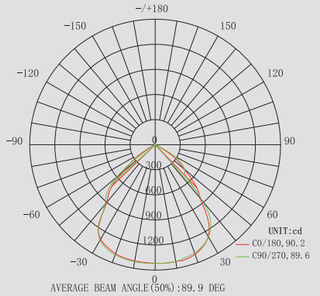
3000K:

Luminous flux:2650lm Color rendering index:79.16Ra

6500K:

Luminous flux:2758lm Color rendering index:81.19Ra

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. 360–degree light, the lamp is suitable for installation height of 3~6meters.

Parameter–AC powered version

Item +	
AC Garden light	TYD–2609
Specification +	
Light source	3030chip
LED Chip quantity (pcs)	150pcs
Material	Die–casting aluminum
Lamp color	Black (Other colors can be customized)
Net weight (kg)	7.06kg
Size (mm)	Φ585mm x H550mm
Installation diameter (mm)	Φ76mm
Installation height	3m–5m

Parameter +	
Rated power (W)	50W
Input voltage (V)	AC 220V
Color temperature	3000K – 6500K
Lumen (lm)	6198lm (3000K)、6363lm (6500K)
Color rendering index	CRI > 80
Beam angle	180°
Rated frequency	50Hz
waterproof level	IP65

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

Parameter–Solar powered version

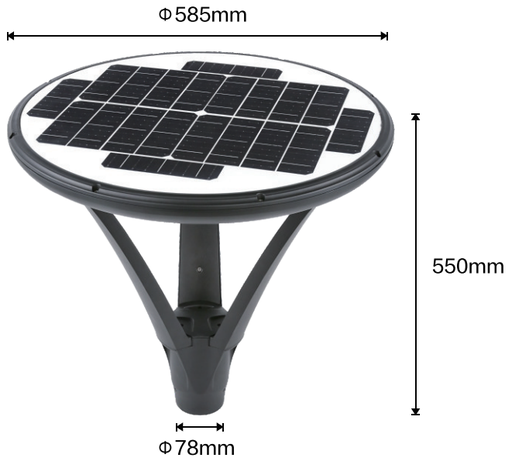
Item +	
Solar garden light	TYD–2609
Specification +	
Monocrystalline solar panel (W)	36W / 5V
LiFePO4 (mAh)	3.2V / 45000mAh
Light source	3030chip
LED Chip quantity (pcs)	150pcs
Material	Die–casting aluminum
Lamp color	Black (Other colors can be customized)
Net weight (kg)	8.89kg
Size (mm)	Φ585mm x H550mm
Installation diameter	Φ76mm
Installation height	3m–5m

Product performance +	
Rated power (W)	36W
Input voltage (V)	DC 3.2V
Color temperature (K)	3000K – 6500K
Lumen (lm)	2650lm (3000K)、2758lm (6500K)
Color rendering index	CRI > 80
Working hours (Lighting sensor)	12hours (3~5 rainy days)
waterproof level	IP 65
Beam angle	180°

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

Lamp size diagram





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	/	/	/	/	/
	Outer box	1	1	600 x 600 x 290	8.89	10.74
AC powered	Inner box	/	/	/	/	/
	Outer box	1	1	600 x 600 x 290	7.06	8.91

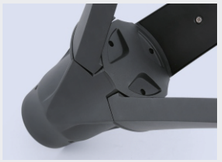
Gross and net weights are for reference only

Lighting Features



Thick die-cast aluminum

One-piece molding, high strength and rigidity



Design principle

Design concept derived from the picture below

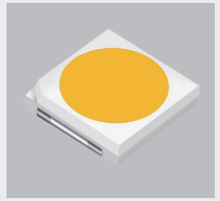


IP 65 waterproof level

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



lamp details



High lumen 3030 chip

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



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)



Thick die-cast aluminum

All-aluminum lamp body,waterproof and durable

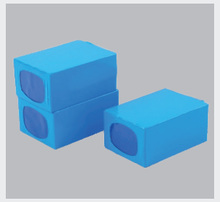
Put it into the light pole and fix it with 3 hexagonal screws, the inner diameter is 76mm





Monocrystalline solar panel

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



LiFePO4 battery

Built-in 45AH large-capacity battery, high safety performance long lifespan, more than 2000 charge and discharge cycles, fast charging rate



PC optical lens

Wide irradiated area, light transmittance up to 90%

Solar garden light

TYPE:

This light type is mainly used in villa gardens, parking areas, park squares, community scenic spots, villa courtyards, and modern architectural lighting environments.360-degree light, the lamp is suitable for installation height of 3~5 meters.

Application



Application



Application



Application

