

PRODUCT DESCRIPTION

THE NEW SOLAR SERIES IS A NEW PRIVATE DESIGN LED SOLAR STREET LIGHT, WITH A SLIM DESIGN AND A HIGHER CONVERSION EFFICIENCY. MONO-CRYSTALLINE PHOTOVOLTAIC SOLAR PANEL WITH A 3.2V INPUT.



Part #: RG-20W-SOLAR

PRODUCT FEATURES & COMMON USE APPLICATIONS

- ✓ Nice design with lighter weight, easier installation
- ✓ Battery life is longer with an 12 hour charge
- ✓ Easy to install and operate
- ✓ Energy saving, long lifespan
- ✓ Instant start, NO flickering, NO humming
- ✓ Green and eco-friendly without mercury
- ✓ Street Lighting
- ✓ Outdoor landscaping light
- ✓ Building, The Hotel.
- ✓ Parking Lot

PRODUCT DIMENSIONS



LEGENDARY USA SUPPORT



US based
phone and online
customer support

DLC
CERTIFIED

5 YEARS
WARRANTY

UL
LISTED



PRODUCT TECHNICAL SPECIFICATIONS

OPTICAL	Input Power (Tolerance: ±10%)	20W	
	Color Temperature	5000K(27-198)	3000K(27-201)
	Lumen (Tolerance: -10%)	4000LM	3900LM
	Input Voltage	3.2 V	
	Battery	3.2V/20000mAh	
	Solar Panel	5V/20W	
	CRI	>80	
	Color Consistency	<6 Steps (or <6 SDCM)	
	Installation Height	2.5 – 5 Meters	
	Beam Angle (50%) (Tolerance: ±15%)	360°	
	Battery Capacity	200WH	
	Flicker Percent	<70%	
ELECTRICAL	Driver Brand	RG	
	Driver Model	RG-20W	
	Dimming	None	
	Optional Accessory	None	
	LED Brand	SMD 3030	
	LED Type	SMD 3030	
	LED QTY	80	
	Housing	Aluminum Alloy	
	Housing Color	Black	
MATERIALS	Waterproof Rating	Wet(IP65)	
	Operating Temperature	-25°C TO 50°C	
	Storage Temperature	-20°C TO 45°C	
	Operating Humidity	20% - 90% RH	
	Storage Humidity	10% - 95% RH	
	Warranty	3 years warranty with 24/7 operating hours Luminaire lifetime at 25°C.	
	Charge Time	12hours(with enough strong shine)	
OTHERS			

PRODUCT ACCESORIES



PRODUCT IMAGES



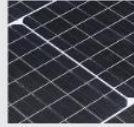
PRODUCT IMAGES & FEATURES

lamp details ▶



PC optical lens

Wide irradiated area, light transmittance up to 90%



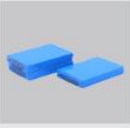
Monocrystalline solar panel

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



High lumen 3030 chip

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



LiFePO4 battery

Built-in 20AH 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)



Thick die-cast aluminum

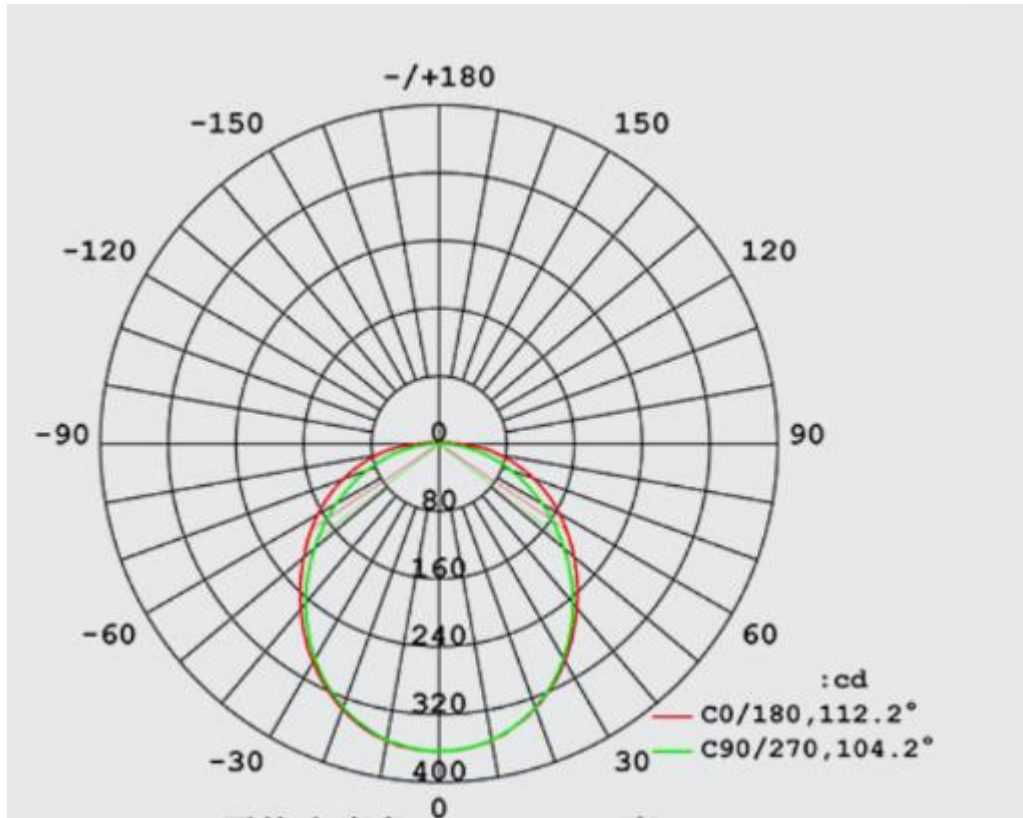
All-aluminum lamp body, waterproof and durable
Put it into the light pole and fix it with 4 hexagonal screws, the inner diameter is 76mm

Water Moon/ 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. 360-degree light, the lamp is suitable for installation height of 2.5-5 meters.



PHOTOMETRICS



PACKAGING



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	485 x 485 x 240	5.32	6.44



PRODUCT WARNINGS

- ⚡ Please turn off power before install or change assembly parts.
- ⚡ The input voltage and lamps should be matched, after connecting the power line.
- ⚡ Please make sure the wiring section is insulated.
- ⚡ Professionals must install and disassemble the lamps.
- ⚡ Surge is the number 1 cause of LED light failure. Outdoor lights must have surge at fixture, pole, and breaker.
- ⚡ Surge is the number 1 cause of LED light failure. Indoor lights must have surge at fixture and breaker.

PRODUCT TROUBLESHOOTING

Issue	Check points
Light Flickers	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. Lights with photocells can have photocell tag from ambient light or light reflecting at the sensor. Simply cover the photocell completely and see if flickering continues while the photocell is covered. Call Tech Support for help if none of the above solves the issue.
Light does not work at all.	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. If input voltage is not in the voltage range of the fixture, you will need to find the source of your input voltage issue. Call Tech Support for help if none of the above solves the issue.

For more technical information, install questions, troubleshooting help or warranty claims, we have a dedicated US Tech and Customer Support Team to help solve any issues you have and can be reached by email or phone. If you need help with any of our products, we are here for you so that you are never in the dark!



**BETTER LIGHTS.
BETTER SUPPORT.**



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