

# LED Solar Flood light

## ZDLS3021



### Product Features

- Efficient black monocrystalline silicon solar panels with a conversion rate of 19% and above;
- The solar panels are individually designed with a high-strength aluminum frame;
- Intelligent battery management system combined the functions of light control and illumination control;
- Remote control to dim the luminaires with preset procedure;
- Robust aluminum die-casting Housing ensures good thermal management and long-lasting lifespan;
- Uniform light, no glare with a separate street lamp photometric test report.

### Application

- Yard
- Residential
- Parking lot
- Country road



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### General Information Data

Electrical parameters	
Rated Voltage	5VDC
Safety Class	Class III
Life Data	
Life Time(L70)	25000h
Switch Times	12500
Operation Data	
IP/IK	IP65/IK06
Operating Temperature	-20°C~+40°C
Storage Temperature	-20°C~+60°C
Mechanical Data	
Housing Material	Aluminum
Cover Material	PC

### Photoelectric Parameter

Model	Nominal Watts (W)	Rated Watts (W)	Current (A)	Luminous Flux (lm)	Ra	Beam Angle
ZDLS3021 50W	50W	3W	1A	450	70	90°
ZDLS3021 100W	100W	6W	2A	900	70	90°
ZDLS3021 150W	150W	9W	3A	1350	70	90°
ZDLS3021 200W	200W	12W	4A	1800	70	90°
ZDLS3021 300W	300W	15W	5A	2250	70	90°
ZDLS3021 400W	400W	18W	6A	2600	70	90°

### Battery Parameter

Model	Type	Capacity	Current (A)	Charging Time	Lighting Time (automatic mode)
ZDLS3021 50W	LiFePO4	3.2V 5AH	1A	4~6h	12h
ZDLS3021 100W	LiFePO4	3.2V 10AH	2A	4~6h	12h
ZDLS3021 150W	LiFePO4	3.2V 15AH	3A	4~6h	12h
ZDLS3021 200W	LiFePO4	3.2V 20AH	4A	4~6h	12h
ZDLS3021 300W	LiFePO4	3.2V 25AH	5A	4~6h	12h
ZDLS3021 400W	LiFePO4	3.2V 30AH	6A	4~6h	12h

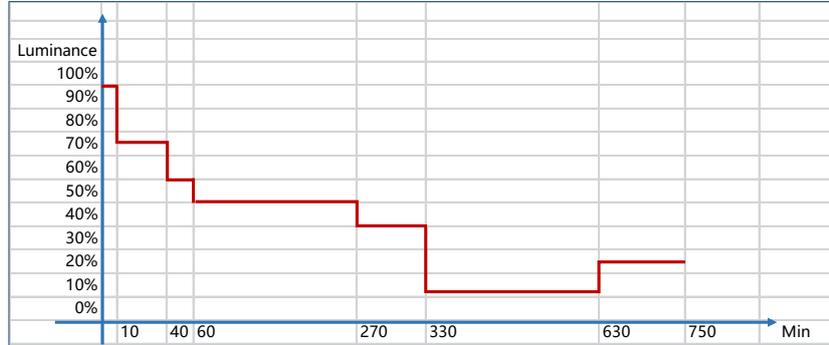
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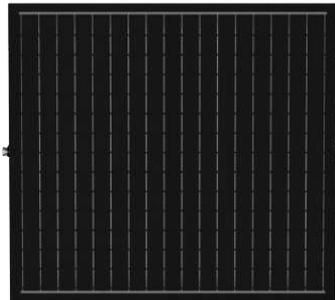
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**PRODUCT DATASHEET**  
50W/100W/150W/200W/300W/400W

### Luminance Curve



Time (min)	0~10	10~40	40~60	60~270	270~330	330~630	630~750
Luminance	100%	75%	60%	50%	40%	12.5%	25%



### Solar Panel Parameter

Model	Type	Panel Material	Color	Frame material	Wire length
ZDLS3021 50W	5V/6W	Monocrystalline Silicon	Black	Aluminum	1.5m
ZDLS3021 100W	5V/10W	Monocrystalline Silicon	Black	Aluminum	1.5m
ZDLS3021 150W	5V/15W	Monocrystalline Silicon	Black	Aluminum	1.5m
ZDLS3021 200W	5V/20W	Monocrystalline Silicon	Black	Aluminum	1.5m
ZDLS3021 300W	5V/25W	Monocrystalline Silicon	Black	Aluminum	1.5m
ZDLS3021 400W	5V/30W	Monocrystalline Silicon	Black	Aluminum	1.5m

### Accessories



1pcs



4pcs



2pcs



2pcs



2pcs

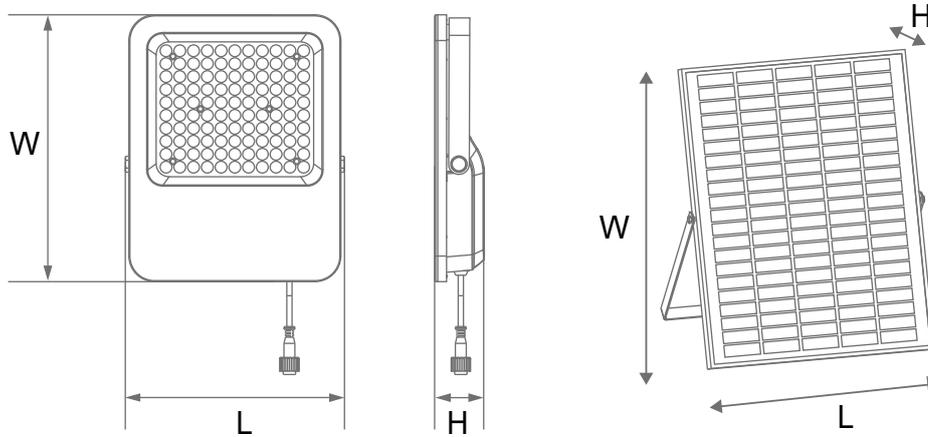
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**MEGAMAN®**

**PRODUCT DATASHEET**

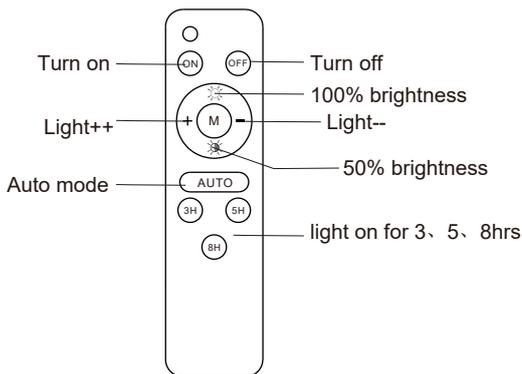
50W/100W/150W/200W/300W/400W



## Dimensional Drawing & Packaging Information

Model	Lamp Size (L*W*H)mm	Panel Size (L*W*H)mm	Color Box (L*W*H)mm	Outer Box (L*W*H)mm	Packaging Unit (PCS/CTN)
ZDLS3021 50W	183*230*48	200*205*17	223*85*250	460*445*265	10
ZDLS3021 100W	183*230*48	300*205*17	223*85*318	460*360*335	8
ZDLS3021 150W	212*260*48	390*235*17	253*85*409	530*420*270	6
ZDLS3021 200W	212*260*48	390*300*17	318*85*409	530*420*333	6
ZDLS3021 300W	212*260*48	390*375*17	393*85*409	445*420*410	5
ZDLS3021 400W	290*254*48	450*390*17	418*85*468	480*360*435	4

## Setting Of The Remote



Under automatic mode, the light will automatically turn on when its dark and automatically turn off the light in the morning(into charging mode).

Under automatic mode, the light will automatically turn on and discharge follow the table on the left side.

In the morning the light will automatically turn off (into charging mode).

If the power on/off key is used to switch the lamp during the daytime charging process, it will enter manual mode, and the light will not be automatically turned on at night.

Automatic mode has the highest priority, when the luminaire enters manual mode, if the automatic mode key is not pressed to resume on the same day, it will also automatically enter automatic mode after charging the next day.

## Cautions

- Do not connect more than 5V photovoltaic panels to avoid damage to LED solar floodlights;
- Do not connect high voltage like 220V~ AC to avoid damage to LED solar floodlights;
- Please clean the surface of the solar panel every three months to avoid affecting the conversion efficiency.