

## Photocell Sensor (Day/Night) LED Flood Lights

### What is a Photocell Sensor (Day/Night) LED Flood Lights

LED Floodlights with Photocell Sensors are the most cost effective solution to adding security to the exterior of your home or business. Replacing traditional halogen photocell lamps the LED photocell Floodlight is superbly energy efficient and economical, offering savings of up to 80% in energy consumption and a lamp life of 30,000 hours. These floodlights are only activated when the built in photocell sensor detects night time has arrived. As the sun begins to rise the floodlights will then automatically turn back off. Rated between 10 watt and 200 watt (60-1200 watt equivalent) these lamps come in a Daylight or Warm White color temperature, and feature an adjustable sensor.

These LED floodlights provide an excellent high quality light output. Each floodlight has an IP65 rating, guaranteeing resistance to rain, moisture and dust ingress, is of robust aluminum construction and features shatterproof tempered glass. Suitable for domestic and commercial applications these motion sensor floodlights are ideal for porches, alleyways between houses, patios, outbuildings, business premises to name a few applications. For ease of use and improved security these LED PIRs are the most energy efficient economical solution on the market.



### Advantages of LED Flood Lights:

In general, experts note there are numerous advantages to using an LED Flood Light versus a traditional street light.

- 1.) One of the key benefits often touted for LED lights in general is the lower energy consumption. For example, some LED lights use one-sixth the amount of energy as similar metal halide lights. Save **60%-80%** Than Others
- 2.) Other advantages often touted for LED lights include longer life, Longer lifetime: Between 30000-50000 Hrs. If lighting 12 hrs/night, could use at least 7 - 12 Years
- 3.) Lower costs for maintenance and lack of potentially harmful lead and mercury. More environmentally friendly lighting option.
- 4.) Higher Brightness,
- 5.) Photocell Function, Dust-To-Dawn Sensor,

## More Advantages from BRIGHT Mark **LED Flood Lights**

1.) Lighting Range: Rectangular Shape, Ideal for Road Lighting



### **LED compare to LPS Lamp, Other lighting sources**

- 1). Energy-saving effect: 25-30% Than Low pressure sodium lamp, and 60% less than other lighting sources.
- 2). Long lifespan more than 50000 Hrs to 100000 Hrs. LPS Lamp: 18000 Hours lifespan.
- 3). LED Color rendering is better, LED Brightness is better than LPS Lamp.
- 4). LED Could use under any temperature, Better weather Ability. LPS Lamp will not work under very low temperature

### **LED Flood Lighting:**

**Better Lighting Effect-----Energy-Saving, Money-Saving**

#### ***LED Flood Lights including:***

- 1.) Pole system;***
- 2.) LED Chips;***
- 3.) LED Driver;***
- 4.) LED Lens***
- 5.) LED Fixture;***
- 6.) Connecting Cable; Fittings, etc***
- 7.) Sensor***



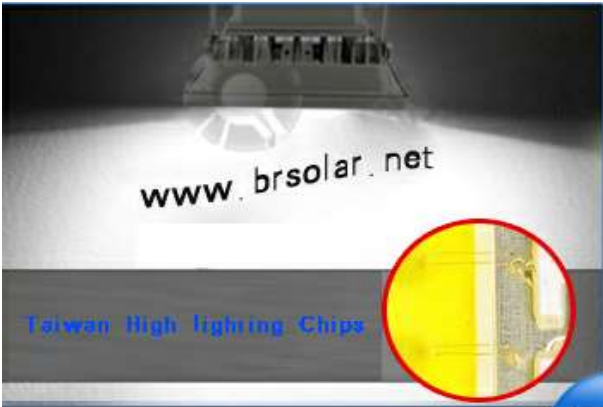
**Some Comparison:**



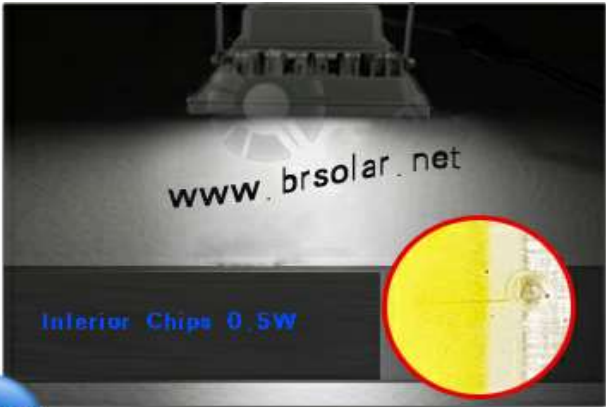
Thicken Aluminum Alloy heat diffusion cover



Thin Cover heat diffusion poor



Taiwan High lighting Chips



Interior Chips 0.5W



Tempered Glass







商品参数 Commodity parameter



10W投光灯尺寸



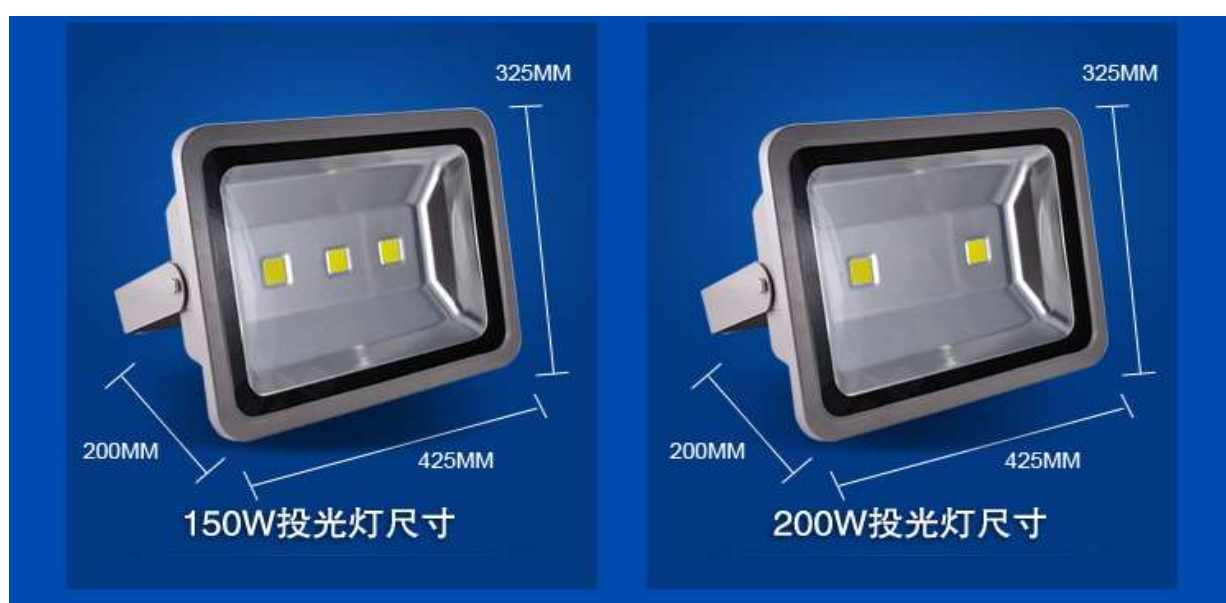
20W投光灯尺寸



30W投光灯尺寸



50W投光灯尺寸



暖白光 ( 2700K-3200K )

Warm White



正白光 ( 6000K-6500K )

Cold White

## LED flood lights Specifications

Take 50W For Example:

|                             |  |
|-----------------------------|--|
| Overall Size                | 290*183*236mm  |
| Base material               | PC   |
| Housing material            | 6063 Aluminum  |
| IP Rate                     | IP65   |
| Net weight                  | 3.5KGS   |
| Surface temperature         | ≤45°C  |
| LED weld point temperature  | ≤70°C  |
| Working temperature         | -40°C—+55°C  |
| Storage temperature         | -25°C—+65°C<br>(25°C is the best)  |
| Storage humidity            | 20%~ 80%   |
| Storage humidity            | 10%~90%  |
| Outdoor use                 | Non-dimmable   |
| Optical Parameters:         |  |
| Output lumens               | 4255Lm(warm white),4750Lm & 4650 Lm<br>( neutral white & cool white)                                 |
| Color temperature           | W (2700-3900K),<br>N (3900-6000K),<br>C (6000-7000K) options   |
| Numbers of LEDs             | 1 piece  |
| The color of the lamp shell | Silver   |
| Color rendering index       | >78 Ra (warm white),<br>>85Ra (neutral white & cool white)   |
| Luminous efficacy           | 90-100lm/W   |
| Electrical Parameters       |  |
| Working voltage             | 85-265VAC DC30-36V   |
| Frequency                   | 50-60Hz  |
| Rated power                 | 50 watts   |
| Protection                  | Input over current protection,<br>Output short circuit protection,<br>Output over current protection |
| Power factor                | ≥0.98  |
| LED driver                  | Constant current   |

## 50W LED flood lights Features

Die-casting aluminum alloy structure, super white tempered glass, top grade and elegant appearance

Uniform illumination, wide flood lighting angle and no shade



## LED Flood Lights Price List: MOQ100PC

| Power | Price  | Photocell Sensor | Total Price |
|-------|--------|------------------|-------------|
| 10W   | USD6   | USD6             | USD12       |
| 20W   | USD11  | USD6             | USD17       |
| 30W   | USD17  | USD6             | USD23       |
| 50W   | USD30  | USD8             | USD38       |
| 70W   | USD50  | USD10            | USD60       |
| 80W   | USD54  | USD10            | USD64       |
| 100W  | USD66  | USD12            | USD88       |
| 200W  | USD135 | USD15            | USD150      |

## Some Installation For Reference

