recon
Series

Value for Money

Available in varies power fitted with efficient LEDs from international brand Philips and Powered by Done driver, our Recon series LED Flood Lights offer the users not only superior Quality of lighting exteriors, but also a supreme Reliability. With the optical lens and uniform photometric distribution, this LED lighting series achieves high optical efficiency.

Thanks to a robust aluminium housing with safety glass cover, the floodlights are ideal for outdoor flood lighting applications, such as wall mounted around building facades, buildings as well as lighting gardens, paths near to buildings, garages, and entrance ways.

150 lm/w

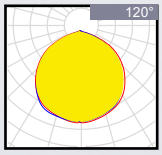
- High performance with efficiency up to 150 lm/W
- L80/B10 @25C° 35,000H lifetime
- SDCM<6
- PF >0,9
- THD < 15%
- Nominal Voltage: 100-277V
- Insulation Class I

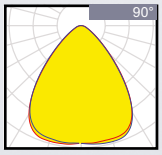
- Robust aluminum die-cast
- High protection rating IP66
- High impact resistance of Ik08
- Suitable for operation in ambient temperature of -25°C to +45°C
- Static built-in driver

Driver
DONE

Chip
PHILIPS

• Beam angle: 120° & 90°





Plug-In Sensor

Standard
Flood light

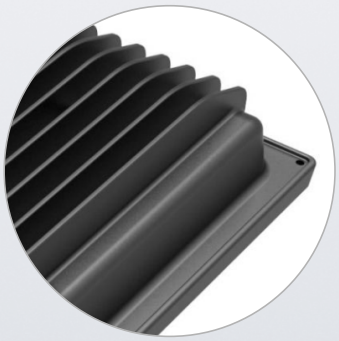
10 secs

Sensor
Flood Light

More Than Good

Philips LED

DONE Driver



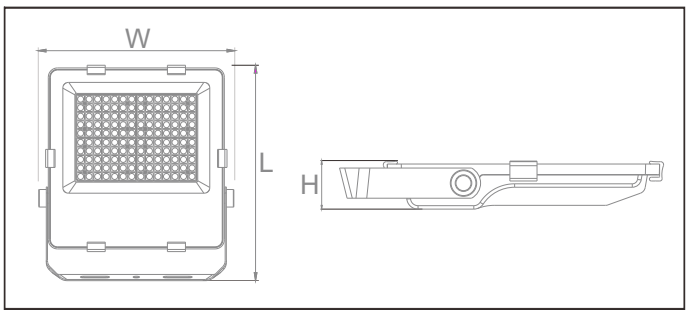
Die-Cast Heatsink

CE RoHS compliant SAA LM 79 LM 80 TM 21

Features

Housing: Die-cast Aluminum ADC12
Thermal Conductivity: 96 W/m·K
Led: Philips
CRI: Ra>70 (80/90 for option)
SDCM: <6
Power Factor: >0.5/0.9
THD: <15
Driver: Done
Driver Efficiency: >90%
Protection: OTP, OCP, OVP, SCP
Surge Protection: 1~6KV
Waterproof: IP66
Impact Test: IK08
Electrical: 100-277V, 50/60Hz
Operating Temperature: -25~45 ℃
Tm21: L80B10>35,000H
Lifetime: 35,000H

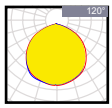
AC100~277V | -25~+45 | IP66 | IK08 | 1-6KV Surge Protection | RG 0/1 | 50.000H | Dimmable | Emergency | + 90% Efficient | INSTANT FULL LIGHT | 100% WARRANTY

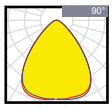


Functions

Micro-wave ・PIR

Optical options:



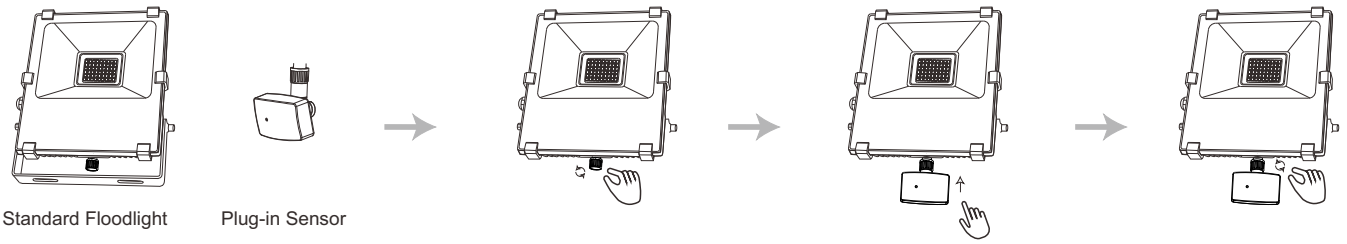


150lm/w | 3 YEARS WARRANTY | Done Driver | Philips LED

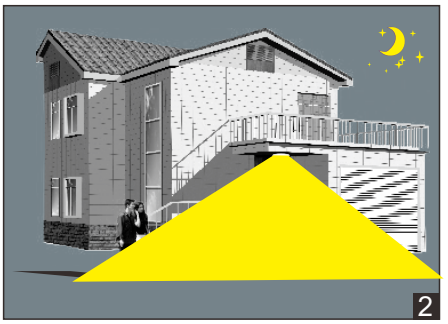
Model	Watt	Voltage	Lumen	CRI	IP	Dimension
FL010RECH-PD	10W	100~277V	1500LM	>70(80)	IP66	L232*W204*H53MM
FL020RECH-PD	20W	100~277V	3000LM	>70(80)	IP66	L232*W204*H53MM
FL030RECH-PD	30W	100~277V	4500LM	>70(80)	IP66	L232*W204*H53MM
FL050RECH-PD	50W	100~277V	7500LM	>70(80)	IP66	L280*W243*H53MM

Plug-in Sensor

With connectors on the standard floodlight, the sensor can be plugged into the fixture very easily, to realize Micro-wave or PIR sensor function. The female and male connectors are specially made to get waterproof IP65.



With sufficient light, the lamp doesn't switch on.



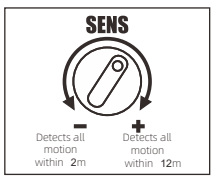
With insufficient ambient light, the sensor switches on the lamp when motion is detected.

After hold time, the sensor switches o ffthe lamp when no motion is detected.

Micro-wave

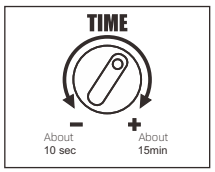
Power Sourcing: 220V/AC-240V/AC	Detection Range: 180°
Power Frequency: 50Hz	Detection Distance: 2-12m (radius) adjustable
Ambient Light: 3-2000LUX (Adjustable)	HF System: 5.8GHz CW radar, ISM band
Time-Delay: Min.:10sec±3sec Max.:15min±2min	Transmission Power: <10mW
Power Consumption: 0.9W	Installing Height: 1.5m~3.5m
Rated Load: 300Wmax	Detection Motion Speed: 0.6~1.5m/s

Setting



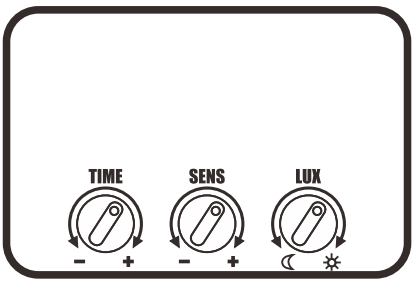
SENS Adjustmemt

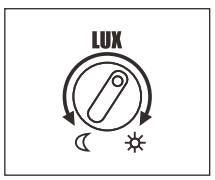
SENS Knob controls the sensitivity, the detection area
Turn the sensor SENS knob counter-clockwise to decrease the sensitivity to lowest leve=within 2m, and to the highest leve=within 12meters



TIME Adjustmemt

LUX knob determines how long the floodlight will stay on after the last motion has been detected
Turn the sensor TIME knob counter-clockwise to decrease the time to 10 sec.
Turn the sensor TIME knob counter-clockwise to increase the time to 15 min.





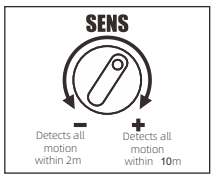
LUX Adjustmemt

LUX knob determines at what light level the floodlight will start working. It is acutally controlled by built-in light sensor
Turn the sensor LUX knob counter-clockwise to the moon(dusk) setting. In this provisional setting model, the sensor remmains inavtive during daylight. At dusk when you find it is the desired night level to start work, then simply set it to the position it needs to become operative as daylight declines

PIR

Power Sourcing: 220V/AC-240V/AC	Detection Range: 120°
Power Frequency: 50Hz	Detection Distance: 2-10m (<24℃) (adjustable)
Ambient Light: 3-2000LUX (Adjustable)	HF System: 5.8GHz CW radar, ISM band
Time-Delay: Min.:10sec±3sec Max.:7min±2min	Transmission Power: <10mW
Power Consumption: 0.9W	Installation Height: 1.8m~2.5m
Rated Load: 200Wmax	Detection Motion Speed: 0.6~1.5m/s
Working Humidity: <93%RH	Working Temperature: -20~+40 ℃

Setting



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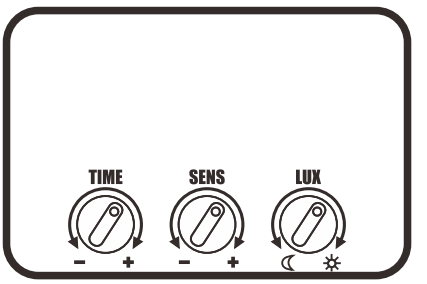

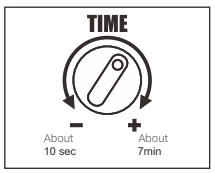

TIME Adjustmemt

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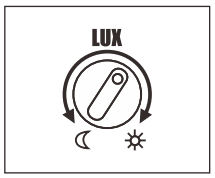
Turn the sensor TIME knob counter-clockwise to decrease the time to 10 sec.
Turn the sensor TIME knob counter-clockwise to increase the time to 7 min.



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Note

PROBLEMS AND SOLVED WAY :

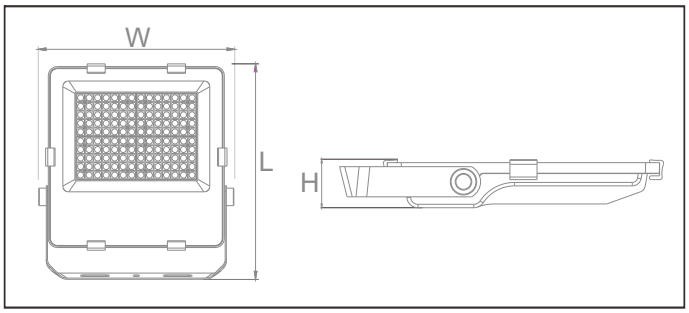
✍ The load do not work:
- a. please check if the connection-wiring of power and load is correct.
- b. please check if the load is good.
- c. please check if the working light set correspond to ambient light.

✍ The sensitivity is poor:
- a. Please check if there has hinder in front of the detection window to effect to receive the signal.
- b. Please check if the ambient temperature is too high.
- c. Please check if the induction signal source is in the detection fields.
- d. Please check if the installation height corresponds to the height showed in the instruction.
- e. Please check if the moving orientation is correct.

✍ The sensor can not shut off the load automatically:
- a. Please check if there is continual signal in the detection field.
- b. Please check if the time delay is the longest.
- c. Please check if the power corresponds to the instruction.

d. Please check if the temperature near the sensor changes obviously, such as air condition or central heating etc.

Packing



Model	Inner Carton(mm)			QTY / CTN	Outer Carton(mm)			QTY / CTN	NW/CTN	GW/CTN
FL010RECH	245	220	60	1	320	260	240	5	6.15	6.65
FL020RECH	245	220	60	1	320	260	240	5	6.15	6.65
FL030RECH	245	220	60	1	320	260	240	5	6.15	6.65
FL050RECH	290	260	60	1	320	310	280	5	7.90	8.90