

# SLL05 Solar LED Street Light

Professional LED lamp replacing 100-250W Metal halide lamp  
High power Philips 5050 LED light source



Product Name : 20-50W Solar LED Street Light

Part No: TY-SLL05-20/30/40/50W

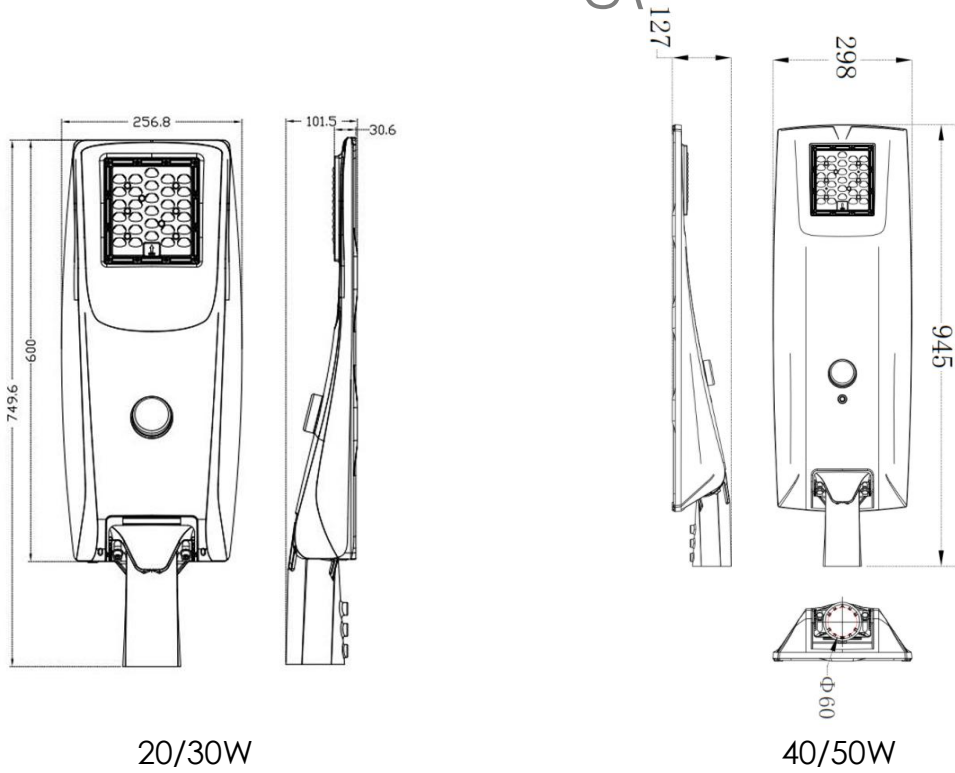
Approval No : 2018121901



Tonya guarantee that all products being sold are QC passed, and reached the standard for shipment with 5 years warranty



# 1. Dimensional Drawing(mm)



Notes:

1. All dimension units are millimeters.
2. All dimension tolerance is  $\pm 1$  mm unless otherwise noted.





## 2. Features

- The integration of design ,no cable,the installation is very convenient.
- The Mono-crystalline solar panel,LED lights,lithium battery,intelligent controller integrated Aluminum Alloy shell.
- It used of lithium iron phosphate battery,fight the high temperature,keep long life.
- When the products with optically controlled microwave induction infrared sensor, automatic adjustment of intelligent power on rainy days, extend rainy days.
- It used of alloy material as the main structure,with good rust prevention,corrosion protection.
- The wireless remote control setting device,adjustable lighting time ,lighting power ,automatic detection of battery voltage,read light power parameters,a human body induction function,as long as people go through when full power lighting,no automatic power down alf, restore energy saving mode.
- time control + light sensor control+ motion sensor control
- Motion and light sensor built in:solar street light goes on at dusk at 20% brightness(Brightness adjustable). Can go from 20% power to full brightness when motion is detected. Three Intelligent Modes: Bright / DIM / Recharge. 1、 Bright: motion activates for lighting when motion is detected for security light and to save battery; 2、 DIM: 20% lighting for saving power when no motion(Brightness adjustable); 3、 Off/Recharge: automatically turns off in daylight and goes into recharge mode. (working mode can be adjusted according to client's demands).

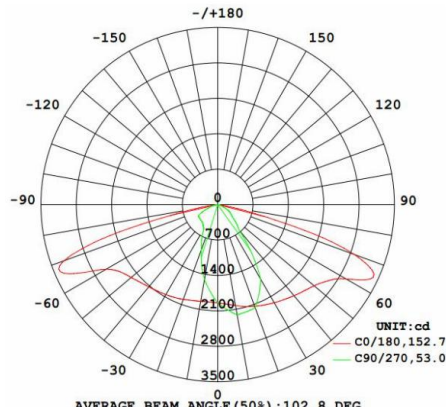
## 3. Specification

### ● Electrical

Par NO Parameter	TY-SLL05-20W	TY-SLL05-30W	TY-SLL05-40W	TY-SLL05-50W
LED type of smd	Philips5050			
Light Fixture Luminance (lm)	160LM/W			
Beam Angle	150*70°			
Color Temperature	3000-6500k	3000-6500k	3000-6500k	3000-6500K
Battery	18650 lithium battery 12V 20 Ah	18650 lithium battery 12V 30 Ah	18650 lithium battery 12V 40 Ah	18650 lithium battery 12V 50 Ah
Power	20W	30W	40W	50W
Solar panel	30W /18V monocrystalline silicon		50W /18V monocrystalline silicon	
CRI	>80			
Operating time	Full power >12 hours ,Intelligent mode 3-4 days			
Control Mode	Light Control + Sensor			
Material	Die Casting Aluminum			
Lifespan(hrs)	> 50000			
IP Rating	IP66			
Installation height	4-8m			
Size(mm)	750*257*102mm	750*257*102mm	945*298*127mm	945*298*127mm
Net Weigh(kg)	6.9	7.2	11	11.5
Package Size(mm)	800*295*155	800*295*155	1000*340*180	1000*340*180
Package Quantity(Pcs)	1	1	1	1
Gross Weigh(kg)	7.2	7.5	12	12.5

## 4. Photometry

- Beam Angle



### THE INTELLIGENT CONTROL SYSTEM

Intelligent controller works with Microwave sensor, ensure the effective lighting.



### INTELLIGENT CONTROL SYSTEM

THE intelligent control system can operate without interruption, ensure the effective lighting.



Day



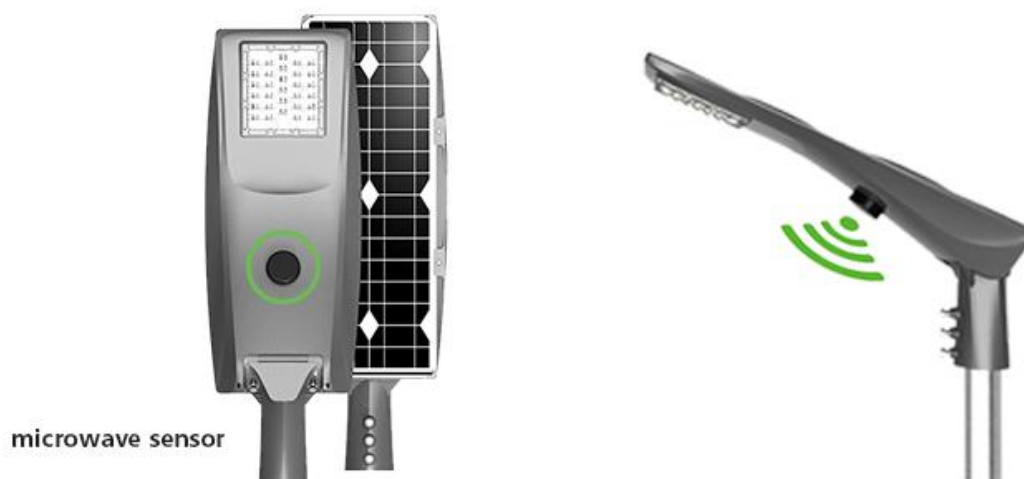
Without human body induction at night



With human body induction at night

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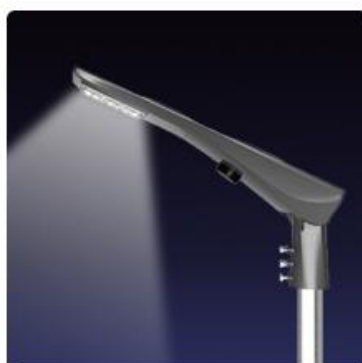


## INTELLIGENT CONTROL SYSTEM

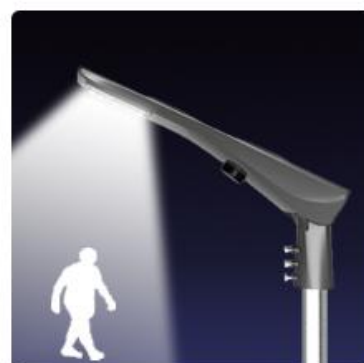
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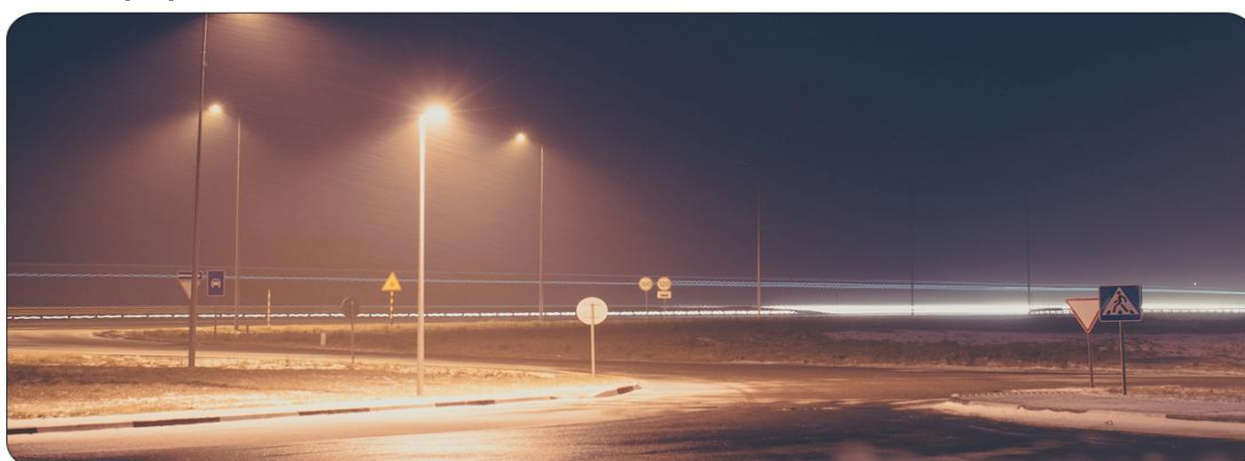


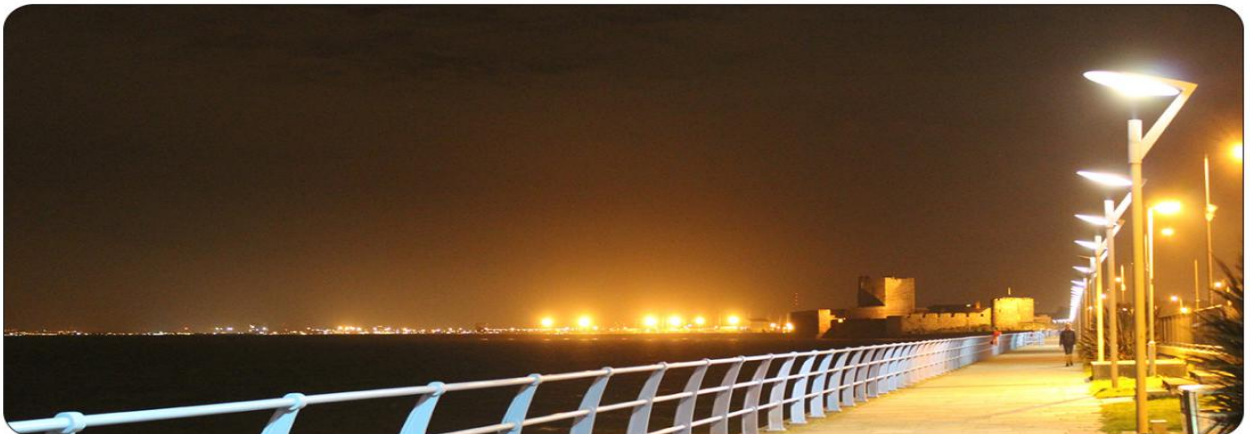
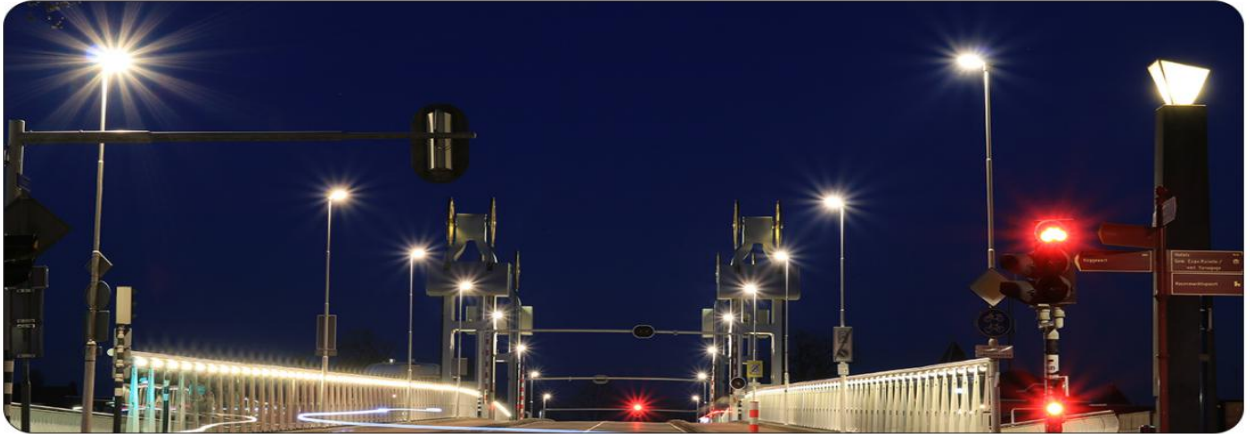
Without human body induction at night



With human body induction at night

## 5. Application





## 6. Operation and Storage Condition

- Operation Ambient Temperature -40 to +60°C, Relative Humidity 20~90%
- Storage Ambient Temperature -40 to +85°C, Relative Humidity 5~95%
- Mounting Height : Suitable for 6~10m height

## 7. Certificate

- The Whole Street light Certificated with CE and ROHS

## 8. Warranty

- 5 Years Warranty Starts from Taking Delivery of Goods a Day. The Warranty Content Includes the Damage of All Components, Such as LED Light Source and Power Supply...etc.
- The Calculation of Warranty Period with Turn on the Light for a Day 8-10 Hours is Limited. As Everyday Longer Than 10 Hours, Then Gradually Decrease According to Comparison Warranty Time Limit.

- The Solar Street light Must Operate at the Common Normal Environment. As in Order to be Faced by the Sea Road in 3 Kilometers or to Use in the Bad Environment Such as Tunnel, Warranty Period is Within 1 Year.
- This company must be authorized to have maintenance cost under the following situations.
- The Solar street light hasn't Operated According to the Stipulation Under the Common Normal Environment and Thus causes the Breakdown Destruction.
- Damaging of the Product Are Irresistible (Disasters, Person Disaster, Earthquake, Thunder Stroke, Typhoon...etc), the Artificial Destruction (Fallen Wound, to Strike, to Hit Hard and so on), the Artificial Mistake (Losing, Wars, Not to Take Care of Property and so on) or Other Unusual Factor Result.
- Customers or Other Guys Add Attach,The Expansion the Revision to repair by themselves.