

# Automatic cleaning

## All In One Solar street light

Perfect combination of practical technology and optical art

The Art of designing for lightThe All in One Solar Street Light series is currently the latest lighting system.The All in One Solar Street Light series combines cutting-edge technology with efficient photovoltaic modules.



### STRUCTURAL SUBJECT

The lamp body adopts integrated design

### OPTICAL ELEMENT

The light source adopts bat wing lens optical accessories

### ASSEMBLING METHOD

Sleeve angle adjustable installation mode

# Automatic cleaning

## All In One Solar street light

reaches multi-function integration, automatically clean solar panel, and power on/off every day. Each morning, self-cleaning solar street light will automatically clean dust, bird droppings, snow, and obstructions in the solar panel, to ensure high charging efficiency always.



TX-30W

TX-40W

TX-60W

TX-80W

## TECHNICAL PARAMETER

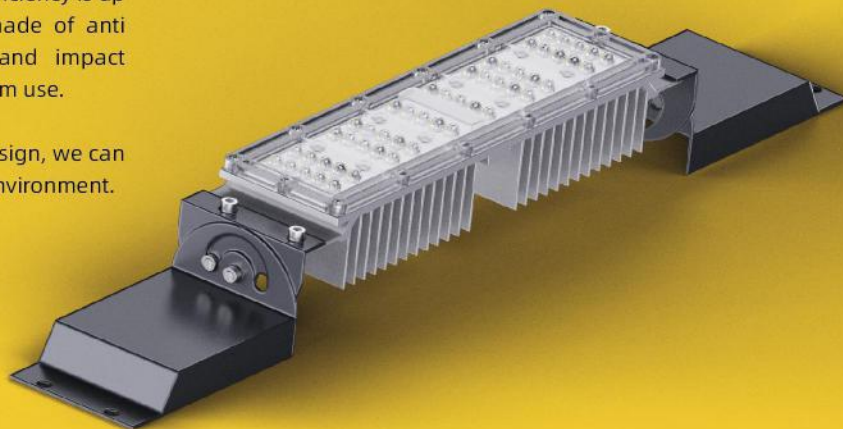
Model	TXZISL-30	TXZISL-40	TXZISL-60	TXZISL-80
Solar panel	18V80W Solar panel(mono crystalline silicon)	18V80W Solar panel(mono crystalline silicon)	18V100W Solar panel(mono crystalline silicon)	36V130W (mono crystalline silicon)
LED light	30w LED	40W LED	60W LED	80W LED
Battery Capacity	lithium battery 12.8V 30AH	lithium batery 12.8V 30AH	lithium baltery 12.8v 36AH	lithium battery 25.6v 36AH
Specical function	Automatic dust sweeping and snow cleaning	Automatic dust sweeping and snow cleaning	Automatic dust sweeping and snow ceaning	Automatic dust sweeping and snow cleaning
Lumen	110 lm/w	110 lm/w	110 lm/w	110 lm/w
Controller current	5A	10A	10A	10A
Led chips brand	LUMILEDS	LUMILEDS	LUMILEDS	LUMILEDS
Led life time	50000hours	50000hours	50000hours	50000hours
Viewing angle	120°	120°	120°	120°
Work time	6-8hours per day, 3 days back up	6-8hours per day, 3 days back up	6-8hours per day, 3 days back up	6-8hours per day, 3 days back up
Working Temperature	-10℃~+60℃	-10℃~+60℃	-10℃~+60℃	-10℃~+60℃
Colo r temperature	3000-6500k	3000-6500k	3000-6500k	3000-6500k
Mounting height	7-8m	7-8m	7-9m	9-10m
space between light	25-30m	25-30m	25-30m	30-35m
Housing material	aluminum alloy	aluminum alloy	aluminum alloy	aluminum alloy
Certificate	CE / ROHS / IP65	CE / ROHS / IP65	CE/ROHS/IP65	CE/ROHS/IP65
Product warranty	3 years	3 years	3 years	3 years
Product size	1068*533*60mm	1068*533*60mm	1338*533*60mm	1750*533*60mm



## HIGH EFFICIENCY LED

Using high-efficiency LED, the luminous efficiency is up to 180lm/W. The light sealing lens is made of anti ultraviolet PC, which has anti-aging and impact resistance performance, realizing long-term use.

Through the unique optical lens cut-off design, we can eliminate the pollution of lighting to the environment.



## PROTECTION GRADE

•IP66



•IK08



IP66: the dust density completely prevents the foreign matter invasion, and may completely prevent the dust invasion, prevents the spray water invasion, prevents from all directions by the nozzle spray water enters the lamps and lanterns to cause the damage; IK08:10J Impact Force (equivalent to the impact of a 5KG object falling from a height of 200mm on a surface).

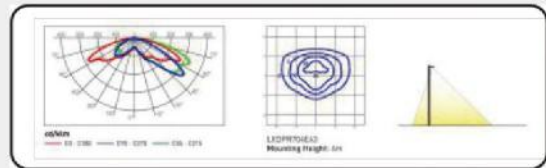
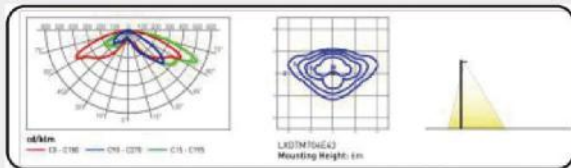


High lumens Netherlands Philips LED chip, 140-170lm/W, better lighting. Could be Installed with an intelligent management system or wireless control module, to achieve the effects of remote lighting monitoring, real-time monitoring, intelligent control, energy saving, and consumption reduction.

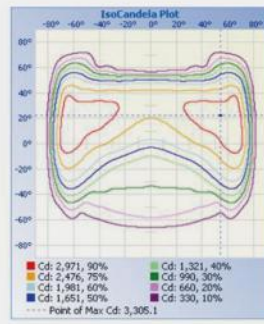
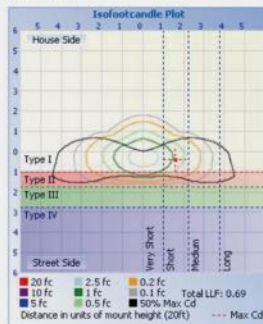
# PHOTOMETRICS

Type 2 for street lighting, cycle paths and footpaths

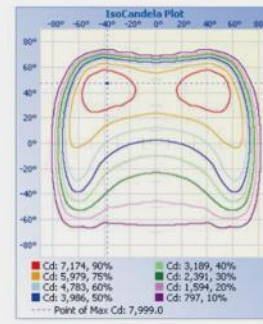
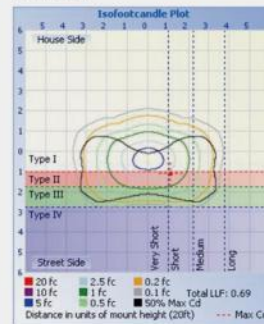
Type 3 for street light and car parks



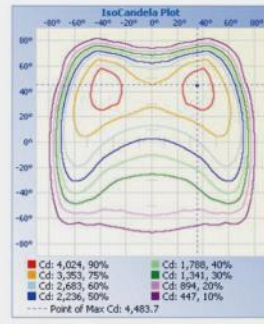
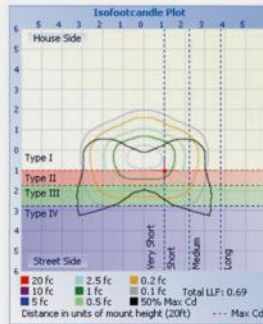
TYPE II (T203)



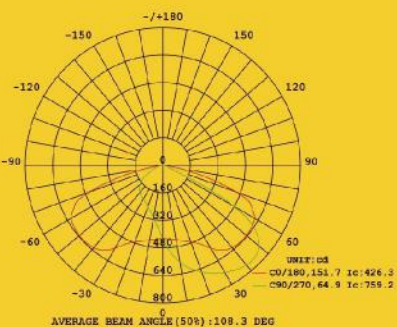
TYPE III (T304)



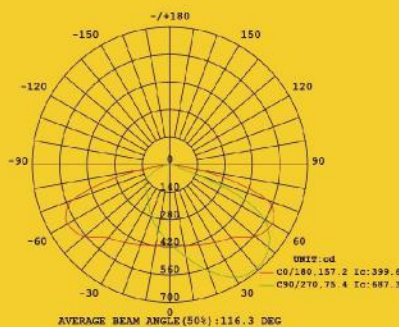
TYPE IV (T402)



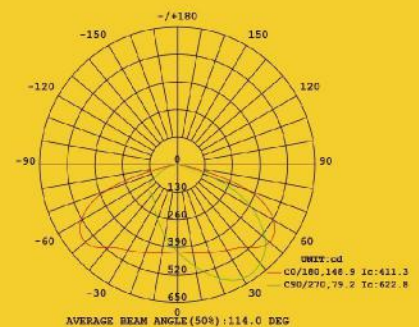
Type II



Type II

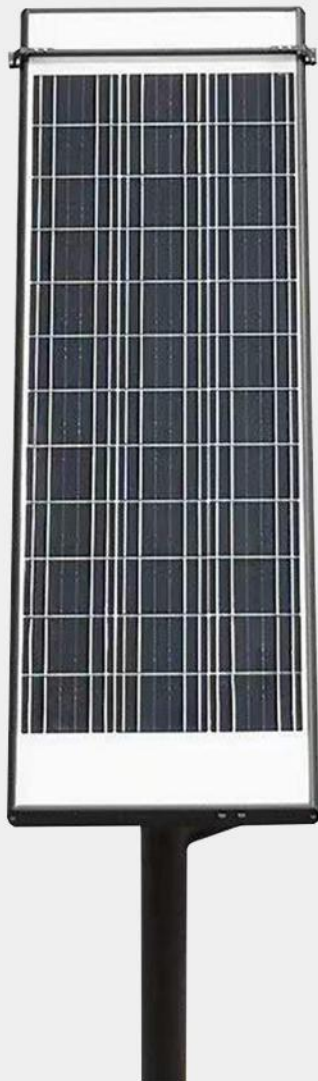


Type IV



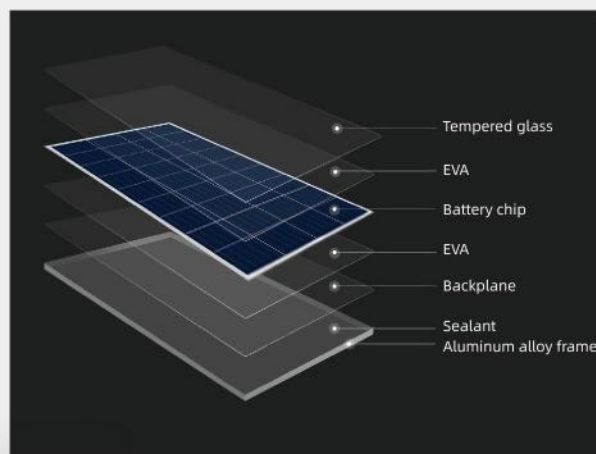


## EFFICIENT SOLAR PANELS



The material selection is strict. After many tests and classification, qualified battery chips are selected, and special lamination process is adopted to ensure the adhesion strength between Eva and tempered glass and back plate.

The utility model has the advantages of good performance, long service life and high power generation efficiency.



Material: Die-casting Aluminum with anti-corrosion treatment, rustproof, and IP65 protection.  
High-efficiency monocrystalline solar panel: >22.5%, 100% environmental.  
MPPT charging controller, faster charging, energy supply stable.  
Lithium iron phosphate battery, safer and longer life.



# CHARGE LIGHTING POWER SUPPLY CONTROL SYSTEM

The charge and discharge efficiency of photovoltaic MPPT power supply controller is improved by adopting the circuit design of high-speed MOSFET pre-drive.

Intelligent power regulation, automatic weather judgment, reasonable discharge planning embedded in the microcomputer control system, charge and discharge a variety of intelligent control methods, make the whole system more efficient and energy-saving.

## PRODUCT CHARACTERISTICS

1. Low-voltage self-activation of the battery to ensure that the battery-fed conditions of normal charging;
2. It can automatically adjust the output power according to the remaining capacity of the battery to extend the use time.
3. Constant voltage output to load can be set to normal/timing/optical control output mode;
4. With dormancy function, can effectively reduce their own losses;
5. Multi-protection function, timely and effective protection of products from damage, while the LED indicator to prompt;
6. Have real-time data, day data, historical data and other parameters to view;



## INTELLIGENT POWER ADJUST

comes complete with built-in motion detection system that automatically regulate the light source from full bright to dim mode to increase battery autonomy.



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Phoebus



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