新智高照明
trismart lighting

2024

Product brochure

www.sztrismart.com

Company profile

Shenzhen Trismart Lighting Technology Co., Ltd., located in Guangming district Shenzhen city, is a research and development, design, production and sales of private high-tech enterprises. Company's management and technical team has more than 20 years' experience in the development and design of industrial lightings, professional lightings and lighting engineering systems. The chairman of the company, Dr. Chen Zhong, is the member of China Lighting Society, the Deputy Secretary General of the Shenzhen Lighting Appliance Association and a senior expert of Shenzhen Lighting Society. Trismart Lighting is a cooperative supplier of European Union led street lamps, a network supplier of Royal Shell and a network supplier of large enterprises such as Sinopec, PetroChina, State Grid and Datang Electric Power Group.

Trismart Lighting provides customers with the most reliable products as the basis of management and provides customers with intelligent and high-efficiency products to help customers reduce operating costs and management costs as a source of power for enterprise development, focusing on R & D, production and sales of smart, intelligent, high efficient, environmentally friendly led industrial lights, led high bay lights, led floodlights, led street lights and solar led street lights, and wireless remote lighting control systems based on the latest Internet of things technology, video surveillance and safety management systems, off-grid energy storage systems.

The company strictly according to the ISO 9001：2015 quality management system for product quality control. The products have passed ATEX/IECEx international explosion-proof certification, national explosion-proof certification, TUV certification, UL certification, FCC certification, and RoHS certification. The products are exported to the European Union, Japan, Australia, Middle East, South America, Southeast Asia, Africa and other countries and regions.

Advantages of Trismart Lighting's products:

1. Adopting Philips ultra brightness 3030 and 5050 led chip, the led lights have high luminaire efficacy, high efficiency and energy saving.

   1）Luminaire efficacy for solar led street light: 200 lm/W
   2）Luminaire efficacy for led street light: 190 lm/W
   3）Luminaire efficacy for led explosion-proof light: 180 lm/W
   4）Luminaire efficacy for led floodlight: 170 lm/W
   5）Luminaire efficacy for led high bay light: 160 lm/W

vertical solar panel led street light
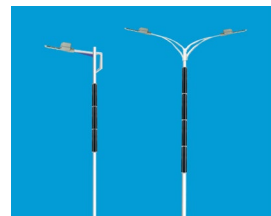

solar led explosionproof light

2. Adopting the latest Internet of things technology and other wireless communication technologies to meet the wireless remote intelligent lighting control needs of various places.

   1）2.4G mesh wireless remote intelligent lighting control system
   2）PLC wireless remote intelligent lighting control system
   3）LoRaWAN/NB-IoT wireless remote intelligent lighting control system
   4）ZigBee wireless solar led street lamp lighting control system

high power led floodlight
（1500W@165lm/W）

explosionproof led floodlight
（ATEX/IECEx certificate）

3. The solar lamp adopts low-temperature lithium iron phosphate battery, which can discharge reliably at -30℃ and the lifespan can reach more than 3000 cycles.

4. The unique hexagonal vertical solar panel technology can directly transform the original ordinary city circuit lamp into a solar street lamp, which is resistant to wind and sand, typhoon, snow and 360 ° all-weather charging.
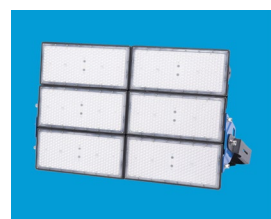
5. ATEX/IECEx certificates, TUV certification, UL certification, CE/RoHS certification.
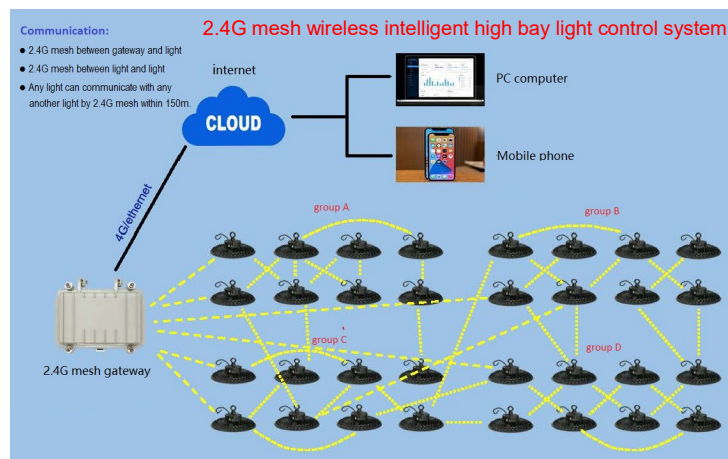

2.4G mesh wireless intelligent led high bay light
（@155lm/W）

off-grid energy storage system

Led high bay light series

SZG110W wireless intelligent led high bay light

Rated power：100W/150W/200W

Light efficiency of lamp：155 lm/W

Communication mode：2.4G mesh

Net structure：Mesh network(ADHOC)

Max. distance：150m(no disconnection)

Remote control：gateway(4G/LAN)+PC/APP

Warranty：5 year

SZG111 microwave led high bay light

Input voltage：90～305Vac

Rated power：100W/150W/200W

Light efficiency of lamp：155 lm/W

Beam angle：120° / 90° / 60°

Induction dimming：microwave sensor

Maximum mounting height: 15m

Warranty：5 year

SNF101 led high bay light

Input voltage：90～305Vac

Rated power：50W/100W/150W/150W

Led luminous efficiency：200-240 lm/W

Luminous efficacy：155-180 lm/W

Beam angle：150° (anti-glare cover)

Mounting mode：G3/4 pipe/U-bracket

Warranty：5 year

SZG110 UFO led high bay light

Input voltage：90～305Vac

Rated power：100W/150W/200W

Luminous efficiency for led：200 lm/W

Light efficiency of lamp：155 lm/W

Beam angle：90° / 120° / 130°

Aluminum reflector：optional

Warranty：5 year

SZG102 UFO led high bay light

Input voltage：90～305Vac

Rated power：100W/150W/200W

Luminous efficiency for led：210 lm/W

Light efficiency of lamp：160 lm/W

Beam angle：120° / 90° / 60°

IP protection：IP66

Warranty：5 year

SZG101 high power led high bay light

Input voltage：90～305Vac

Rated power:200W/300W/400W/500W

Luminous efficiency for led：200 lm/W

Beam angle：90° / 60° / 25°

Led driver：Meanwell/Sosen

IP protection：IP65

Warranty：5 year

SZG107 led high bay light

Input voltage：90～305Vac

Rated power：120W/180W

Luminous efficiency for led：200 lm/W

Beam angle：120° / 90°

Led driver：Inventronics/Sosen

Mounting mode：Ring

Warranty：3 year

SZG103 UFO led high bay light

Input voltage：90～305Vac

Rated power：50W/100W/150W/200W

Luminous efficiency for led：200 lm/W

Beam angle：90°

Led driver：Trismart Lighting

Mounting mode：Ring

Warranty：3 year

Communication:
- 2.4G mesh between gateway and light
- 2.4G mesh between light and light
- Any light can communicate with any another light by 2.4G mesh within 150m.

2.4G mesh wireless intelligent high bay light control system

internet

CLOUD

PC computer

Mobile phone

4G/ethernet

group A

group B

group C

group D

2.4G mesh gateway

Led explosionproof light series

WRTLE310 led explosionproof platform lamp

Input voltage：100～277Vac
Rated power：50W/100W/150W/200W/300W/400W
Luminous efficacy for lamp：150 lm/W
Explosionproof certification：ATEX
Explosionproof mark：Ex II2 GD Ex d IIB T6 Gb
Mounting mode：U-bracket
Warranty: 5 year

SZG202C led explosionproof lamp

Input voltage：90～305Vac
Rated power：55W/65W/75W
Luminous efficacy for lamp：150 lm/W
Beam angle：120°
Explosionproof mark：Ex II 2 G Ex d IIC T6 Gb
Mounting mode：G3/4 pipe /U-bracket
Warranty: 5 year

SZG200 led explosionproof lamp

Input voltage：90～305Vac
Rated power:30W/50W/60W/80W/100W
Luminous efficacy for lamp：155-180 lm/W
Beam angle：120°
Explosionproof mark：Ex II 2 G Ex demb IIC T6 Gb
Mounting mode：G3/4 pipe/U-bracket
Warranty: 5 year

SZG200 led explosionproof lamp(solar)

Patent No：ZL 2021 2 0437042.7
Explosionproof mark：Ex demb IIC T6 Gb
Rated power：40W/60W/80W
Explosionproof solar panel：70-120W
Luminous efficacy for lamp：155-180 lm/W
Control mode：light control+time control
Mounting height: 5-8 m

SZG202C led explosionproof lamp(emergency)

Input voltage：90～305Vac
Rated power：50W(emergency 5W)
Emergency type：illumination emergency
Emergency time：Li-ion battery, 90min
Explosionproof mark：Ex II 2 G Ex d IIC T6 Gb
Mounting mode：G3/4 pipe /U-bracket
Warranty: 3 year

SEF380 explosionproof led floodlight

Input voltage：90～305Vac
Rated power：50W/100W/150W/200W/250W
Luminous efficacy for lamp：155 lm/W
Beam angle：60°/90°/120°/150°*80°
Explosionproof certification：ATEX
Explosionproof mark：Ex II 3G Ex ec nC IIC T6
Warranty: 5 year

XQL300B explosionproof led street light

Input voltage：90～305Vac
Rated power：100W/150W/200W
Luminous efficacy for lamp：150 lm/W
Beam angle：130°*60°
Led driver：Trismart Lighting
Explosionproof mark：Ex d IIC T6 Gb
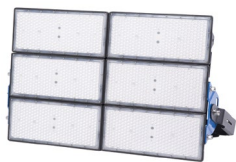Mounting mode：φ60

XQL300 led explosionproof floodlight

Input voltage：90～305Vac
Rated power：40W/50W/70W/90W
Luminous efficacy for lamp：150 lm/W
Beam angle：120°
Led driver：Trismart Lighting/Meanwell
Explosionproof mark：Ex d IIC T6 Gb
Mounting mode：G3/4 pipe /U-bracket

Led floodlight series

SZG307 high power led floodlight

Input voltage：90～305Vac

Rated power：250W-1500W

Light efficacy of luminaire：165 lm/W

Beam angle：15°/30°/60°

Led driver：Inventronics/Sosen

Modular power：250W/modular

Test report：IEC60598/ IEC 62741/LM80

Warranty：5 year

SZG325 led stadium floodlight

Input voltage：90～305Vac

Rated power：600W / 1200W / 1800W

Light efficacy of luminaire：160 lm/W

Beam angle：10° / 30° / 45° / 60°

Led driver：Inventronics/Sosen

IP protection: IP66

Test report：IEC60598/ IEC 62741/LM80

Warranty：5 year

SZG328 led high pole spotlight

Input voltage：90～305Vac

Rated power：250W-1500W

Light efficacy of luminaire：160 lm/W

Beam angle：15° / 30° / 60° / 90°

Led driver：Inventronics/Sosen

Modular power：250W/modular

Modular angle adjustment：yes

IP protection：IP66

SZG326 high power led floodlight

Input voltage：90～305Vac

Rated power：250W-1000W

Light efficacy of luminaire：160 lm/W

Beam angle：90°

Led driver：Inventronics/Sosen

Modular power：250W/modular

IP protection: IP66

Warranty：5 year

SZG330 led square stadium floodlight

Input voltage：90～305Vac

Rated power：400W-1200W

Luminous efficiency of led：210 lm/W

Light efficacy of luminaire：160 lm/W

Beam angle：7° /15° /30° /60°/90°/120°

Led driver：Inventronics/Sosen

IP protection: IP66

Warranty：5 year

SNF208 modular led floodlight

Input voltage：90～305Vac

Rated power：50W-400W

Light efficacy of luminaire：155 lm/W

Beam angle：60° /90° /120° /150°*80°

Heat dissipation: radiation+air convection

Dark sky：meet

IP protection: IP66

Warranty：5 year

SZG312 led floodlight

Input voltage：90～305Vac

Rated power：100-600W(100W/modular)

Luminous efficiency for led：200 lm/W

Light efficacy of luminaire：155 lm/W

Beam angle：30° /60° /90° /145°*70°

Led driver：Inventronics/Trismart

IP protection：IP66

Warranty：5 year

SZG301 led floodlight

Input voltage：90～305Vac

Rated power：50-600W(50W/modular)

Luminous efficiency for led：200 lm/W

Light efficacy of luminaire：155 lm/W

Beam angle：30° /60° /90° /145°*70°

Led driver：Inventronics/Trismart

IP protection：IP66

Warranty：5 year

SNF101 led triproof platform lamp

Input voltage：90～305Vac

Rated power：30W/50W/60W/80W/100W

Luminous efficiency of led：200-240 lm/W

Light efficacy of luminaire：155-180lm/W

Beam angle：150°(anti-glare cover)

Mounting mode：G3/4 pipe/U-bracket

IP protection：IP66

SZG306 led triproof linear light

Input voltage：90～305Vac

Rated power：20W/30W/50W/60W

Dimensions：0.6m/0.9m/1.2m/1.5m

Luminous efficiency of led：200 lm/W

IP protection：IP66

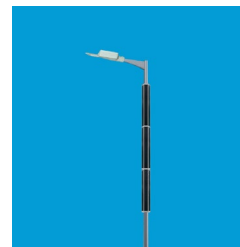Mounting mode：ceiling/hoist

Warranty：5 year

Solar led street light/led garden light/led floodlight series

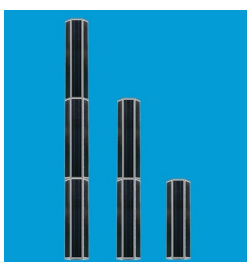## SZG574V vertical solar panel led street light
Rated power: 30W-100W/2*80W/2*100W
Vertical solar panel: 100-560W
Features: 360° for sunshine acception
less accumulation of dust&snow
Battery: low-temperature LiFePO$_4$ battery(-30℃)
Light efficiency for luminaire：≥185 lm/W
Mounting height：6m～12m
Warranty：5 year

SZG571V vertical solar panel led street light
Rated power：35W/50W/70W/90W
Vertical solar panel: 100-280W
Features: 360° for sunshine acception
less accumulation of dust&snow
Battery: low-temperature LiFePO$_4$ battery(-30℃)
Light efficiency for luminaire：190 lm/W
Mounting height：6m～10m
Warranty：5 year

SZG560 vertical solar panel modular
Patent No.：ZL 2021 2 0422526.4
Rated power：100W / 140W
Solar panel：vertical solar panel（mono）
Sunshine angle：360° accepted
Dust accumulation：less
Snow accumulation：less
Wind resistance: good due to small area
Mounting：replacement on old lamppost

SZG574 two in one solar led street light
Rated power: 30W/50W/65W/80W/100W
Poly solar panel: 40W～120W
Battery: low-temperature LiFePO$_4$ battery(-30 ℃)
Light efficiency for luminaire：190 lm/W
Control mode：light control+time control
Mounting height：5m～10m
Dark sky requirement：meet
Warranty：5 year

SZG553 all in one solar led street light
Rated power：30W～100W
Solar panel：30W～100W（mono）
Battery: low-temperature LiFePO$_4$ battery(-30℃)
Light efficiency for luminaire：185 lm/W
Control mode：light control+sensor control
Mounting height：5m～10m
Dark sky requirement：yes
Warranty：5 year

SZG555 all-in-one solar led garden light
Rated power：40W
Solar panel：48W（mono）
Light efficiency for luminaire：185 lm/W
Battery: low-temperature LiFePO$_4$ battery(-30 ℃)
Control mode:light control+sensor
Mounting height：7m～8m
Remote control：2.4G(optional)
Warranty：5 year

SZG552 all-in-one solar led street light
Rated power：30W～100W
Solar panel：30W～100W（mono）
Battery: low-temperature LiFePO$_4$ battery(-30℃)
Light efficiency for luminaire：185 lm/W
Control mode：light control+sensor control
Mounting height：5m～10m
Dark sky requirement：custom made
Warranty：5 year

SZG554 all-in-two solar led street light
Rated power：45W/ 60W / 90W /120W
Solar panel：30W～70W（poly）
Solar panel adjustable：adjustable
Battery: low-temperature LiFePO$_4$ battery(-30 ℃)
Light efficiency for luminaire：160 lm/W
Control mode：light control+time control
Mounting height：4m～7m
Warranty：5 year

SZG558 all-in-one solar led garden light
Rated power：40W
Solar panel：20W（mono）
Battery: low-temperature LiFePO$_4$ battery(-30℃)
Luminous efficiency for led：190 lm/W
Light efficiency for luminaire：150 lm/W
Control mode：light control+time control
Mounting height：4m～5m
Mounting diameter: ≤φ76 mm

SZG573 all-in-one solar led street light
Rated power：120W/80W/45W
Solar panel：60W/25W/15W（mono）
Solar panel adjustable：-90°～+90°
Battery: low-temperature LiFePO$_4$ battery(-30 ℃)
Luminous efficiency for led：230 lm/W
Light efficiency for luminaire：190 lm/W
Control mode：light control+microwave
Mounting height：5m～8m

SZG567 all-in-one solar led garden light

Rated power：25W/35W/50W

Solar panel：25W/35W/50W（mono）

Battery: low-temperature LiFePO$_4$ battery(-30℃)

Luminous efficiency for led：190 lm/W

Light efficiency for luminaire：150 lm/W

Control mode：light control+time control

Mounting height：4m～7m

Mounting diameter: ≤φ76 mm

SZG565 all in one solar led street light

Rated power：50W/60W/80/100W

Solar panel：50W～100W（mono）

Battery: low-temperature LiFePO$_4$ battery(-30 ℃)

Luminous efficiency for led：180 lm/W

Light efficiency for luminaire：145 lm/W

Control mode：light control+PIR control

Mounting height：5m～9m

IP protection: IP66

SZG556 solar led floodlight

Rated power：50W

Solar panel：35W（poly）

Battery：power lithium iron phosphate

Luminous efficiency for led：170 lm/W

Light efficiency for luminaire：130 lm/W

Control mode：light control+time control

Battery indicator：yes

Running indicator：yes

SZG562 hawkeye solar led wall lamp

Rated power：50W/60W/80/100W

Solar panel：50W～100W（mono）

Battery：power lithium iron phosphate

Luminous efficiency for led：180 lm/W

Light efficiency for luminaire：145 lm/W

Control mode：light control+PIR control

Mounting height：5m～9m

IP protection: IP66

Led street light series

SNF288 led street light

Test report：IEC 60598/IEC 61000/LM79/LM80

Rated power：100W/150W/200W/250W

Luminous efficiency of led：200 lm/W

Light efficacy of luminaire：155 lm/W

Led driver：Inventronics/Sosen

Angle adjustable：-90°～+90°

Heat dissipation: radiation+air convection

SZG512 led street light dark sky

Rated power：75W/100W/150W/200W

Luminous efficiency of led：230 lm/W

Light efficacy of luminaire：180 lm/W

Led driver：Inventronics/Sosen

Angle adjustable：-90°～+30°

Light sensor：NEMA light sensor

Streamlined design: no dust accumulation

SZG510 led street light

Test report：IEC 60598/IEC 61000/LM80

Rated power：100W/150W/200W/250W

Luminous efficiency of led：200 lm/W

Light efficiency of luminaire：155 lm/W

Led driver：Inventronics/Sosen

Cover opening：rear cover opening

Light sensor：NEMA light sensor optional
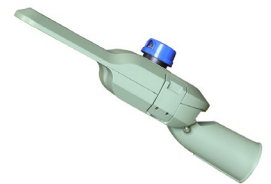
SZG508A led street light dark sky

Rated power：50W/100W/150W/200W

Luminous efficiency of led：210 lm/W

Light efficacy of luminaire：160 lm/W

Cover open：flip open/easy maintenance

Angle adjustable：-90°～+30°

Light sensor：NEMA light sensor

Dark sky requirement：meet

SZG507 led street light

Input voltage：90～305Vac

Rated power：100W/150W/200W/250W

Luminous efficiency of led：200 lm/W

Light efficacy of luminaire：155 lm/W

Beam angle：140°*70 °

Led driver：Inventronics/Sosen

IP protection：IP66

SZG513 led street light dark sky

Rated power：75W/120W/180W/250W

Luminous efficiency of led：215 lm/W

Light efficacy of luminaire：165 lm/W

Cover open：flip open/easy maintenance

Angle adjustable：-90°～+30°

Light sensor：NEMA light sensor

Dark sky requirement：meet

SZG511 led street light

Input voltage：90～305Vac

Rated power：50W/100W/150W/200W

Luminous efficiency for led：200 lm/W

Light efficacy of luminaire：150 lm/W

Beam angle：140°*70°

Cover opening：rear cover opening

Light sensor：NEMA light sensor optional

SZG512W wireless intelligent led street light

Rated power：75W/100W/150W/200W

Light efficacy of luminaire：180 lm/W

Communication mode：2.4G mesh

Net structure：Mesh network(ADHOC)

Max. distance：150m(no disconnection)

Remote control：gateway(4G/LAN)+PC

Angle adjustable：-90°～+30°

2.4G mesh wireless intelligent street light control system

Internet

CLOUD

PC computer

Mobile phone

4G/ethernet

2.4G mesh gateway

Communication
● 2.4G mesh between gateway and light
● 2.4G mesh between light and light
● Max. communication distance between light and light: 150m.
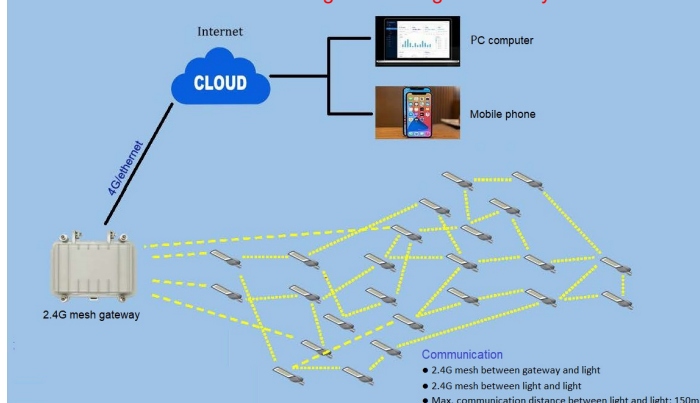
Off-grid energy storage system

SES1000-1500D off-grid energy storage power

Output power：1000W

Peak power：2500W

Output wave：pure sine wave

AC output voltage：220～230Vac/50Hz

DC output voltage：5V / 12V

LFP battery：1000Wh

Charging mode：PV charging/AC charging

Communication：RS485/wifi/GPRS

SES1000-2000D off-grid energy storage power

Output power：1000W

Peak power：2500W

Output wave：pure sine wave

AC output voltage：220～230Vac/50Hz

DC output voltage：5V / 12V

LFP battery：2000Wh

Charging mode：PV charging/AC

Communication：RS485/wifi/GPRS

SES2000-2500D off-grid energy storage power

Output power：2000W

Peak power：5000W

Output wave：pure sine wave

AC output voltage：220～230Vac/50Hz

DC output voltage：5V / 12V

LFP battery：2500Wh

Charging mode：PV charging/AC charging

Communication：RS485/wifi/GPRS

SES1000-4000D off-grid energy storage power

Output power：2000W

Peak power：5000W

Output wave：pure sine wave

AC output voltage：220～230Vac/50Hz

DC output voltage：5V / 12V

LFP battery：4000Wh

Charging mode：PV charging/AC

Communication：RS485/wifi/GPRS

SES3000-5000D off-grid energy storage power

Output power：3000W

Peak power：8000W

Output wave：pure sine wave

AC output voltage：220～230Vac/50Hz

DC output voltage：5V / 12V

LFP battery：5000Wh

Charging mode：PV charging/AC charging

Communication：RS485/wifi/GPRS

SES5000-5000D off-grid energy storage power

Output power：5000W

Peak power：12500W

Output wave：pure sine wave

AC output voltage：220～230Vac/50Hz

DC output voltage：5V / 12V

LFP battery：5000Wh

Charging mode：PV charging/AC

Communication：RS485/wifi/GPRS

SES5000-10000D off-grid energy storage power

Output power：5000W

Peak power：12000W

Output wave：pure sine wave

AC output voltage：220～230Vac/50Hz

DC output voltage：5V / 12V

LFP battery：10000Wh

Charging mode：PV charging/AC charging

Communication：RS485/wifi/GPRS

SES7000-10000D off-grid energy storage power

Output power：7000W

Peak power：18000W

Output wave：pure sine wave

AC output voltage：220～230Vac/50Hz

DC output voltage：5V / 12V

LFP battery：10000Wh

Charging mode：PV charging/AC

Communication：RS485/wifi/GPRS

Portable and mobile lamp series

SZG8210 smart moving lighthouse

Rated voltage：220Vac 50Hz

Rated power：4*500W

Generator：5KW Honda GX390

Max lifting height：7m

Max oil mass：50L for 30 hours lighting

IP protection：IP65

Tackle size：1.35*1.55*2.05m

Weight：600Kg

SZG6116 led moving worklight

Battery capacity：12.6V 13Ah

Light power：35W

Discharge time：≥8h

Lighting mode：spotlight/floodlight

Max lifting height：1500m

Lifter：retractable and lying down

Dimensions：510*290*220mm

Weight：8Kg

HZ6117 explosionproof moving worklight

Explosionproof mark：Ex deibmb IIC T6 Gb

Battery capacity：22.2V10Ah

Rated power：50W/30W

Discharge time：10hrs(strong)/16hrs(weak)

Illumination mode：strong/middle/weak
                   spotlight/floodlight

Warning signal：red/blue light flicker

Max lifting height：1280mm

SZG5282 multifunctional worklight

Battery capacity：11.1V5Ah

Rated power：12W

Discharge time：10hrs/20hrs/80hrs

Magnetic adsorption: yes

Electricity indicator：yes

Head angle: adjustable

Warning light：rear yellow light

Dimensions：φ172*156*210mm

SZG7622 led strong flashlight

Battery capacity：3.7V2.2Ah

Rated power：3W

Discharge time：8hrs(strong)/16hrs(weak)

Max range：500m

Electricity indicator：yes

IP protection：IP66

Dimensions：φ35*160mm

Weight：180g

SZG6601 inspection worklight

Battery capacity: 3.7V5Ah

Light power：3W(front)/6W(side)

Discharge time：8hrs/16hrs(front light)
                4hrs/8hrs(side light)

Warning light: red and blue light flashing

Magnetic adsorption: yes

Electricity indicator：yes

Dimensions：φ47*240mm

SZG5133 led micro headlamp

Battery capacity：3.7V2.2Ah

Rated power：3W

Discharge time：8hrs(strong)/16hrs(weak)

Focused focusing: telescopic adjustment

Head angle: adjustable

Cap Wear: Available

Electricity indicator：yes

Dimensions：φ78*67*59mm Weight：93g

SZG6330 portable floodlight

Battery capacity: 11.1V5Ah

Rated power：12W

Discharge time：10hrs/20hrs/80hrs

Magnetic adsorption: yes

Electricity indicator：yes

Head angle: adjustable

Warning light：rear yellow light

Dimensions：φ260*170*150mm

SZG808 solar power generation emergency system

Folding PV panel: 48W(mono solar panel)

Li-battery capacity: 12V50Ah/12V30Ah

Inverter power: 220Vac(≤350W/≤250W)

USB output: 2xUSB 5V/2.1A

DC output: 4x12VDC/5A

Bulb power: 1x13W+3x5W

Dimension：400*318*235mm

Weight：13.5Kg/12.5Kg

SZG7633 multifunctional worklight

Battery capacity：3.7V2.6Ah

Light power：3W

Discharge time：

Focused focusing: telescopic

Magnetic adsorption: yes

Head angle: 90° adjustable

Electricity indicator：yes

Dimensions：φ50*46*225mm

Smart lamp/remote wireless intelligent lamp series

sensors
− monitoring urban environment
− noise sensor
− air pollution sensor
− temperature/humidity sensor
− brightness sensors

video surveillance
− security monitoring
− traffic monitoring
− flow monitoring

RFID
− special crowd surveillance
− manhole monitoring
− monitoring of municipal facilities

emergency call
− outfield extension and monitoring centre contact
− monitoring centre outfield active broadcasting

intelligent lighting
− LoRa/NB-IoT transmission
− remote dimming
− group strategy
− fault auto alarm
− report output

wireless network
− hot spots embedded wifi street lamps
− microbase station

information issue
− advertisement issue
− political news
− information issue

charging pile
− electric vehicle
− electric bicycle

SZG620 city smart lamp

1. Intelligent street light：automatic switching, dimming, group, position, fault auto alarm, report output
   1）Model：SZG508A
   2）Input voltage：220Vac 50-60Hz
   3）Power：50W/100W/150W/200W
   4）Remote communication：LoRaWAN/NB-IoT
   5）Transmission distance：10Km（visual）/ 2Km（urban）
   6）Control quantities：≥300 sets
2. Smart lamp
   1）video surveillance：security monitoring, license plate
   2）micro weather stations：monitoring urban environment, Including noise, air pollution, temperature, Humidity, brightness
   3）information issue：environmental aspect, weather forecast government notice, news broadcasting, traffic Induction, advertisement
   4）emergency call：the public in times of danger and difficulty to the regulatory authorities to call for help or find a major mystery or accident reports
   5）charging pile：new energy vehicle
   6）wireless network：hotspot wifi, micro base station
   7）RFID：special crowd and municipal facility monitoring
3. Background soft management and control system

Control parts of intelligent street light：

NB-IoT slave controller

LoRaWAN gateway

LoRaWAN slave controller /NB-IoT slave controller

Intelligent remote circuit controller：

It integrates electric energy monitoring, overload, short circuit, overvoltage protection, remote control, network communication function and high centralized intelligent electric actuator.

● protection function: monitor output power consumption, automatically cut off power supply in abnormal condition
● automatic reclosing: realization of unattended, automatic reclosing after line recovery
● metering function: voltage and current real-time monitoring and electric energy metering
● wireless communication: with local RS485 communication and GPRS wireless communication, can achieve far away process classification control, fault query and measurement data reporting
● equipment management: with perfect fault condition monitoring (overload, short circuit, under voltage, lack of phase, phase imbalance) and real-time reporting and warning

SZG512W wireless intelligent led street light

Rated power：75W/150W/200W/250W

Luminous efficacy of luminaire：180 lm/W

Communication mode：2.4G mesh

Net structure：Mesh network(ADHOC)

Max. distance：150m(no disconnection)

Remote control：gateway(4G/LAN)+PC

Streamlined design: no dust accumulation

SZG508W wireless intelligent led street light

Rated power：50W/100W/150W/200W

Light efficiency of luminaire：160 lm/W

Communication mode：2.4G mesh

Net structure：Mesh network(ADHOC)

Max. distance：150m(no disconnection)

Remote control：gateway(4G/LAN)+PC

Angle adjustable：-90°～+30°

SZG110W wireless intelligent led high bay light

Rated power：100W/150W/200W

Light efficiency of lamp：155 lm/W

Communication mode：2.4G mesh

Net structure：Mesh network(ADHOC)

Max. distance：150m(no disconnection)

Remote control：gateway(4G/LAN)+PC/APP

Warranty：5 year

SZG307W wireless intelligent led floodlight

Rated power：250W-1200W

Modular power：250W/modular

Communication mode：2.4G mesh

Net structure：Mesh network(ADHOC)

Max. distance：150m(no disconnection)

Remote control：gateway(4G/LAN)+PC

Warranty：5 year

SZG553Z wireless solar led street light

Rated power：30W～80W

Solar panel：55W～100W（mono）

Battery：LiFePO$_4$, 5 year's warranty

Luminous efficiency of led：230 lm/W

Luminous efficacy of luminaire：190 lm/W

Beam angle：150° * 80°

Remote communication：ZigBee

Net structure：Mesh network

SZG570Z remote camera solar led street light

Rated power：60W / 80W

Solar panel：80W / 100W（Mono）

Battery：LiFePO$_4$, 5 year's warranty

Camera：1080P（external）

TF card：Max. 128G

Storage time：30 days

Communication mode：4G/WiFi

Operation control：mobile APP/PC

SPT2508 wifi remote solar camera

Solar panel：8W

Li-ion battery：12Ah

HD pixel：3 millions

Remote communication：wifi

Rotate angle：0～355° / 0～90°

Multifunction：PIR human sensing, AI
human shape detection,
AI full-color night vision

SPT2512 4G remote solar camera

Solar panel：40W

Li-ion battery：14Ah

HD pixel：2 millions

Remote communication：4G

Rotate angle：0～355° / 0～90°

Multifunction：PIR human sensing, AI
human shape detection,
AI full-color night vision

intelligent lighting for sport venues

intelligent lighting for storage

road intelligent lighting

2.4G mesh ADHOC intelligent lighting control system

workshop intelligent lighting

Advantages:

➢ 2.4G mesh wireless communication

➢ With mesh network structure, light and light can automatically make addressing and flexible networking. Each light is both node and relay station which can ensure no disconnection and continuous network connection.

➢ Maximum transmission distance: 150 meters, even for individual sections if there is a malfunction or poor communication, it can also automatically search for another one node or cross node transmission.

➢ Both single lamp control and group control can be carried out.

➢ Maximum number of supported nodes: 15000pcs

➢ Adopting advanced frequency hopping technology with strong anti-interference ability

➢ Support remote control of PC computer and mobile app

➢ Support on-site scene panel control

➢ Maximum power for single light: 2000W

Internet of things intelligent lighting cloud control system

➤ Lighting status

- using a timer or light sensor to control lights on/off
- cannot remotely control the brightness of lamps to achieve the purpose of saving energy and reducing consumption
- cannot adjust the lighting operation mode according to holidays and seasons(especially seasons)
- cannot remote, real-time access to lighting operating parameters
- cannot get the lighting daily, monthly accurate energy consumption data, grasp the effect of energy conservation and emission reduction
- lamp malfunction depends on manual report
- cannot quickly and accurately determine the location of lighting fixtures

➤ Internet of Things based on wireless remote communication technology - LoRaWAN technology

LoRa technology is the most promising low-power wide-area communication technology. LoRa adopts the linear frequency modulation spread spectrum modulation technology and keeps maintaining low power consumption so that the communication distance and network efficiency are obviously increased, and the interference is eliminated. Even if the same frequency is used, the transmission does not interfere with each other.

LoRaWAN is an open standard that defines communication protocols based on LPWAN technology of LoRa chips. LoRaWAN is a star or star-to-star topology that is better than a mesh network because of its advantages in maintaining battery power and increasing communication range.

➤ Topology of LoRaWAN intelligent lighting cloud control system

LoRaWAN wireless intelligent lighting system

Monitoring center

Sever

Ethernet/GPRS/4G

LoRaWAN gateway

ZHAGA single lamp controller
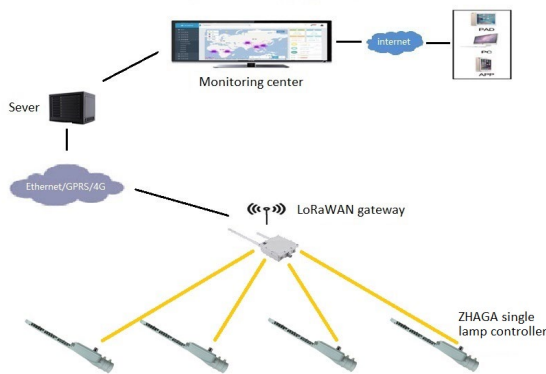
Functions and features：

- Follow the LoRaWAN wireless transmission protocol
- Support 2G/3G/4G and LAN multiple network access modes
- Adaptive Data Transfer Rate
- Output power up to 23 dBm
- Sensitivity reduced to -142.5 dBm
- Support 8 channels concurrency, can access the number of lamps up to 2000
- Maximum transmission distance: 10 Km(visual) /4 Km(urban)
- Support 470MHz/US915MHz/EU868MHz working frequencies
- Lightning grounding Protection

➤ LoRaWAN intelligent lighting cloud control system background management software platform

LampMind

Username:

Password:

EN / CN / RU   Forget Password?

Sign In

Create the best management experience for you

The urban street lamp management system is a smart city management system based on the Internet of Things platform and unified management of urban street lamps from different angles such as time and space. The urban street lamp management system consists of street lights and cloud management platforms distributed in various streets. Based on the GIS map integrated with the street lamp position, the visual management platform is built. The cloud can complete the real-time monitoring of the street lights in the platform, group management, and real-time policy configuration adjustment., complete the operation with one click. To improve work efficiency and reduce energy consumption, Yunzhisheng is willing to work with you to build a blue sky for urban development.

GIS Map
The GIS map controls all your street light data on one screen, the icons are visually viewed, and the operation is in one step, so that your management work is smooth.

Device management
Segment each section to quickly locate the functional locations you need; loops, groupings, and strategies let you manage street lights more intelligently.

Alarm
Faulty equipment timely alarm, maintenance scheduling, fault work order multiple choices to follow up in real time, so that your daily maintenance is no longer troublesome.

Wireless remote intelligent monitoring led street light

Product picture：

external 1080P camera

Built-in 1080P camera

(all-in-one solar led street light)

Monitoring video effect：

> ## Topology map of wireless remote intelligent monitoring illumination system

SIM network work-mode for camera

SIM card remote network work-mode

Network Work-Mode for camera   AP Work-Mode for camera

WiFi remote network work-mode and WiFi AP work-mode
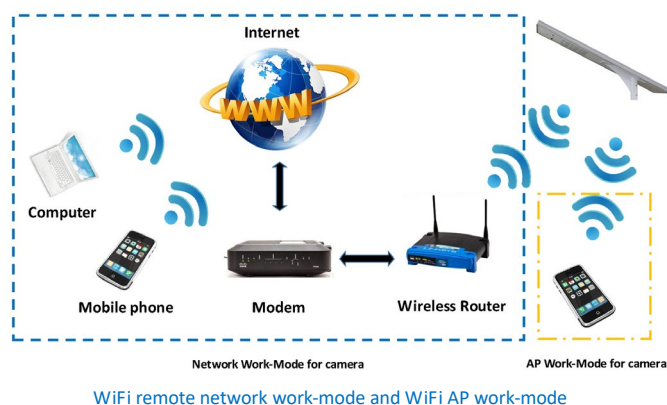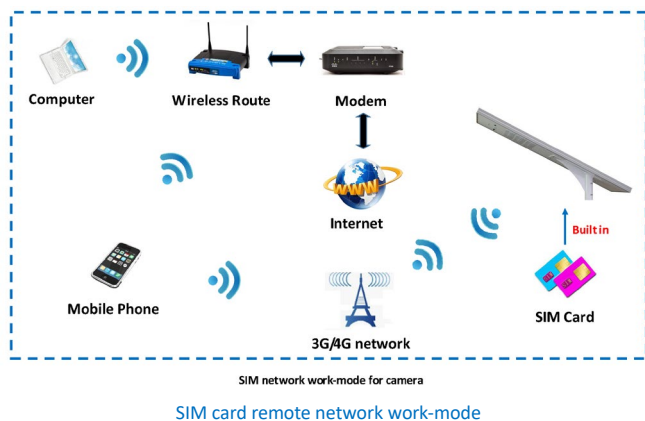
Functional characteristics:

● With a built-in integrated wifi HD camera or a plug-in camera through wireless router or 3G/4G SIM cell phone card connecting Internet, it can remotely monitor the site situation at any time by using mobile phone or computer and download the required video data remotely from TF card.

● It is built in 1080P camera which doesn't need cable and broadband. It can video the events at the scene under the lamp and store the data in TF card automatically.

● 32G TF memory card can store data for more than 15 days. When the recording data is full, it can circularly overwrite the previous data.

● It can be used as both lighting lamp fittings and background remote online video monitoring function in the following places:

Urban roads, township roads and rural roads

Industrial park roads

factory area roads

Parks and gardens

Villa and a private house

Commercial and cultural center