



Yangzhou Radiance Solar Technology Co., Ltd.

www.isolarlights.com

Company Introduction:

Established time: 2008

Main Products: solar street light, led street light, integrated solar street light, high mast light, garden light, flood light, mono solar panel, poly solar panel, solar power system, traffic light, wall wash light

Certificates: CCC, CQC, CE, ISO9001, ISO14001



Projects of Solar Power Systems



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- SOLAR SYSTEM
- SOLAR STREET LIGHT
- INTEGRATED SOLAR LIGHT
- SOLAR GRADEN LIGHT
- LED STREET LIGHT
- GRADEN LIGHT
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- WALL WASH LIGHT
- SMART LIGHTING

■ Functions of the Components of Solar Power Systems

A solar power system consists of solar panels, solar controller and battery (group). If the output power is 220V AC or 110V, the inverter should add to the configuration. The roles of each component:

☆ Solar panel: solar panel, the most indispensable and valuable part of the solar power system, plays a role to convert the sun radiation to electrical energy, to sent to the storage battery, or to promote the workloads.

☆ Solar controller: the role of the solar controller is to control the working state of the system and provide the battery over-charging protection and over-discharging protection for the storage battery. The controller should also have the functions of compensating temperature in areas where large temperature gap exists and having light-control switch, time-control switch for the controller.

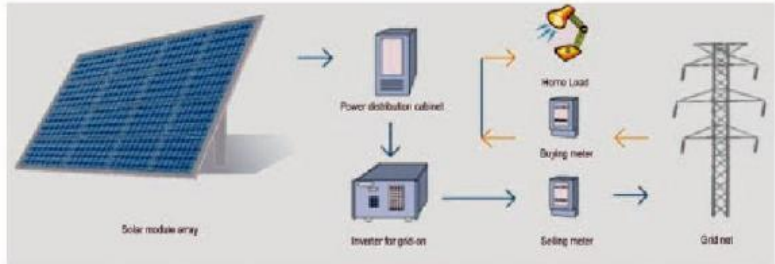
☆ Battery: lead-acid battery is the most common one, its function is to store up the absorbed energy from the solar panel and to release energy in usage.

☆ Inverter: the inverter should provide 220VAC, 110VAC power on many occasions. Due to the direct solar energy output are generally 12VDC, 24VDC, 48VDC, in some cases, when comes to a variety of voltage load, DC-DC inverter is needed, e.g. convert the 24VDC power into the power 5VDC (note: that is not a simple step-down).

Projects of off-grid PV systems



Solar Grid-connected Power Stations

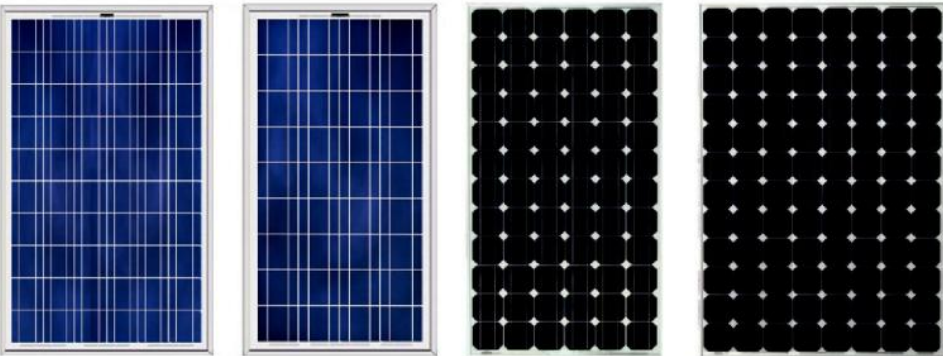
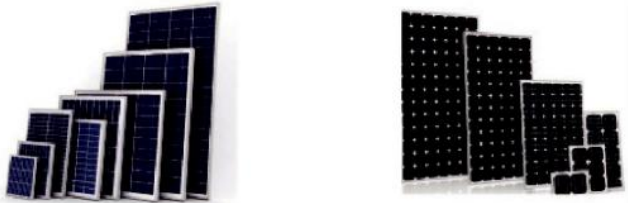


A grid connected PV system is a system which uses solar cells to convert light into electricity and feeds power into the grid (typically the public electricity grid) by a maximum power point tracking (MPPT), grid-controlled inverter.

In a grid-connected PV system, PV modules, wired together to form a PV array, pass DC electricity through an inverter to convert it into AC power. If the PV system AC power is greater than the owner's needs, the inverter sends the surplus to the utility grid for use by others. The utility provides AC power to the owner at night and during times when the owner's requirements exceed the capability of the PV system. Featured with no-battery requirement and maintenance free, the grid-connected PV power offers consumers both economic and environmental advantages. That will be the main future energy.



Solar panel



Technical Data (20WP-300WP)

Model	Pm(W)	Vmp(V)	Im(A)	Voc(V)	Isc(A)	L*W*H(mm)	Weight(kg)
TX-20WP	20W	18.0	1.13	22.0	1.26	460*350*25	1.5
TX-30WP	30W	18.0	1.68	22.0	1.74	340*670*25	2.1
TX-40WP	40W	18.0	2.23	22.0	2.49	430*670*25	2.6
TX-50WP	50W	18.0	2.86	22.0	2.92	490*670*25	3.0
TX-55WP	55W	18.0	3.12	22.0	3.23	530*670*25	3.2
TX-60WP	60W	18.0	3.35	22.0	3.52	590*670*25	3.6
TX-70WP	70W	18.0	4.11	22.0	4.31	690*670*25	4.2
TX-75WP	75W	18.0	4.22	22.0	4.42	930*510 *25	4.3
TX-80WP	80W	18.0	4.46	22.0	4.56	770*670*25	4.7
TX-85WP	85W	18.0	4.76	22.0	4.82	860*670*25	5.2
TX-90WP	90W	18.0	5.12	22.0	5.62	850*670*25	6.3
TX-100WP	100W	18.0	5.56	22.0	5.96	920*670*30	6.7
TX-105WP	105W	18.0	5.81	22.0	6.12	1020*670*30	7.5
TX-110WP	110W	18.0	6.24	22.0	6.35	1020*670*30	7.5
TX-120WP	120W	18.0	6.67	22.0	6.75	1130*670*30	8.3
TX-130WP	130W	18.0	7.24	22.0	7.64	1210*670*30	8.9
TX-135WP	135W	18.0	7.62	22.0	7.68	1240*670*30	9.1
TX-140WP	140W	18.0	7.78	22.0	8.12	1280*670*30	9.2
TX-150WP	150W	18.0	8.43	22.0	8.85	1340*670*30	9.7
TX-160WP	160W	36.0	4.52	42.0	4.67	1480*670*30	10.9
TX-170WP	170W	36.0	4.82	42.0	4.96	1480*670*30	10.9
TX-180WP	180W	36.0	5.13	42.0	5.54	1640*670*35	14.0
TX-200WP	200W	36.0	5.61	42.0	6.01	1250*990*30	13.6
TX-220WP	220W	36.0	6.15	42.0	6.23	1370*992*35	17.3
TX-240WP	240W	36.0	6.67	42.0	6.98	1450*990*35	18.3
TX-250WP	250W	36.0	6.95	42.0	7.34	1480*990*35	18.7
TX-260WP	260W	36.0	7.15	42.0	7.42	1640*990*35	20.7
TX-270WP	270W	36.0	7.58	42.0	7.69	1640*990*35	20.9
TX-290WP	290W	36.0	8.12	42.0	8.26	1800*992*35	22.5
TX-300WP	300W	36.0	8.39	42.0	8.45	1800*992*35	22.8

Off-Grid Solar Power Systems

离网发电系统安装实例
Projects of off-grid PV systems



图片一



图片二



图片三



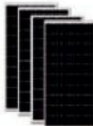


图片四

1 kW Off-grid Solar Power System

Items	Products	Model No.	Model Pic	Specification	Unit	Qty(unit)
1	Solar panel	TXSP-255W		Moule type:TXSP-255 Rate Max Power(Pm):255W Tolerance:0-3% Voltage at Pmax(Vmpp):31 V Current at Pmax(Imp):8.36 A Ope-circuit voltage(Voc):38V Short-circuit current(Isc):8.7A Dimensions(L/W/H):1640mm/990mm/35mm	PCS	4
2	Inverter	TXIV-1K		Moule type:TXIV-1K DC input voltage : 48V Max.input current: 20A Output voltage:220V(±3%),HZ:50/60(±3%) Total harmonic distortion ≤3% Inverting output wave form Control way:PWM Efficiency ≥85% More details,please contact with us	PCS	1
3	Battery	TXCNJ-100		Voltage:12V Capicity:100AH Dimensions(W/H/D):329mm/172mm/236mm Weight:28.2kg	PCS	4
4	PV Mounting	Installation Site: Open field/Proof Foundation: Concrete bases, Ground screws Installation Angle: depend on customer's country Profile Material: Q235B Fasten Parts: Steel (Darot) Small Components : Al6005-T5			Set	1
5	Accessories	"1* DC cable, Comply with IEC61215, TUV 2Pfg-2007, UL4703; 2* AC cable, Red, Blue and yellow/green;It applies to transmit AC with 50Hz frequency and less than 0.6/1kV rated voltage 3* MC4 Connector, One pair MC4 connector contains one negative and one positive connector 4* Grounding Kit, Stainless Steel M4*25 bolts, nuts, flash washer and spring washer; 12cm grounding wire with two ring lugs"			Set	1

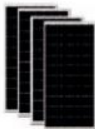


"Note:for your reference only,can make as request"

3 kW Off-grid Solar Power System

Items	Products	Model No.	Model Pic	Specification	Unit	Qty(unit)
1	Solar panel	TXSP-255W		<p>Moule type:TXSP-255</p> <p>Rate Max Power(Pm):255W</p> <p>Tolerance:0-3%</p> <p>Voltage at Pmax(Vmpp):31 V</p> <p>Current at Pmax(Imp):8.36 A</p> <p>Ope-circuit voltage(Voc):38V</p> <p>Short-circuit current(Isc):8.7A</p> <p>Dimensions(L/W/H):1640mm/990mm/35mm</p>	PCS	12
2	Inverter	TXIV-3K		<p>Moule type:TXIV-3K</p> <p>DC input voltage : 48V</p> <p>Max.input current: 60A</p> <p>Output voltage:220V(±3%),HZ:50/60(±3%)</p> <p>Total hamonic distortion ≤3%</p> <p>nverting output wave form</p> <p>Control way: PWM</p> <p>Efficiency ≥85%</p> <p>More details,please contact with us</p>	PCS	1
3	Battery	TXCNJ-250		<p>Voltage: 12V</p> <p>Capacity: 250AH</p> <p>Dimensions(W/H/D):520mm/269mm/245mm</p> <p>Weight:67.2kg</p>	PCS	4
4	PV Mounting	<p>Installation Site: Open field/Proof</p> <p>Foundation: Concrete bases, Ground screws</p> <p>Installation Angle: depend on customer's country</p> <p>Profile Material: Q235B</p> <p>Fasten Parts: Steel (Darot)</p> <p>Small Components: Al6005-T5</p>			Set	1
5	Accessories	<p>"1* DC cable, Comply with IEC61215, TUV 2Pfg-2007, UL4703;</p> <p>2* AC cable, Red, Blue and yellow/green;It applies to transmit AC with 50Hz frequency and less than 0.6/1kV rated voltage</p> <p>3* MC4 Connector, One pair MC4 connector contains one negative and one positive connector</p> <p>4* Grounding Kit, Stainless Steel M4*25 bolts, nuts, flash washer and spring washer; 12cm grounding wire with two ring lugs"</p>			Set	1

"Note:for your reference only,can make as request"

5 kW Off-grid Solar Power System

Items	Products	Model No.	Model Pic	Specification	Unit	Qty(unit)
1	Solar panel	TXSP-255W		<p>Moule type:TXSP-255 Rate Max Power(Pm):255W Tolerance:0-3% Voltage at Pmax(Vmpp):31 V Current at Pmax(Imp):8.36 A Ope-circuit voltage(Voc):38V Short-circuit current(Isc):8.7A Dimensions(L/W/H):1640mm/990mm/35mm</p>	PCS	18
2	Inverter	TXIV-5K		<p>Moule type:TXIV-5K DC input voltage : 48V Max.input current: 100A Output voltage:220V(±3%),HZ:50/60(±3%) Total harmonic distortion ≤3% Inverting output wave form Control way:PWM Efficiency ≥85% More details,please contact with us</p>	PCS	1
3	Battery	TXCJN-200		<p>Voltage:12V Capacity:200AH Dimensions(W/H/D):520mm/240mm/244mm Weight:56.7kg</p>	PCS	8
4	PV Mounting	<p>Installation Site: Open field/Proof Foundation: Concrete bases, Ground screws Installation Angle: depend on customer's country Profile Material: Q235B Fasten Parts: Steel (Darot) Small Components: Al6005-T5</p>			Set	1
5	Accessories	<p>"1* DC cable, Comply with IEC61215, TUV 2Pfg-2007, UL4703; 2* AC cable, Red, Blue and yellow/green;It applies to transmit AC with 50Hz frequency and less than 0.6/1kV rated voltage 3* MC4 Connector, One pair MC4 connector contains one negative and one positive connector 4* Grounding Kit, Stainless Steel M4*25 bolts, nuts, flash washer and spring washer; 12cm grounding wire with two ring lugs"</p>			Set	1

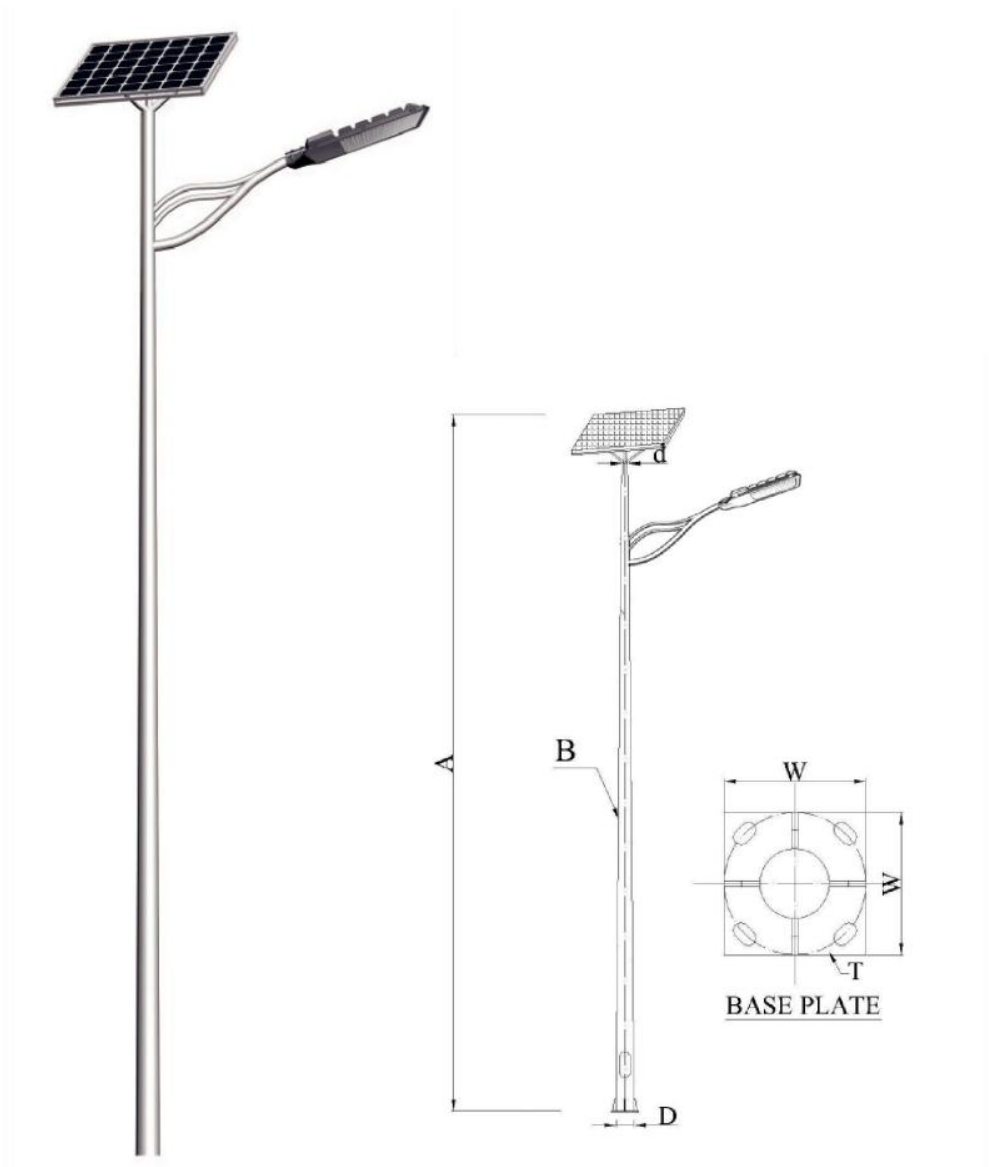
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WORK PRINCIPLE

The solar energy is converted into electricity stored in the battery by the solar panel through the day time, The solar panel voltage will decrease gradually in the dark time. When the solar panel voltage is lower than stipulated voltage, the controller will make the battery supply electricity to load; When the day become bright, the solar panel voltage increase gradually. After the voltage is larger than stipulated voltage, the controller will stop the battery supplying the electricity to load. This is working principle of solar street light.

Solar street LIGHT










Single Arm Solar Street Light

No	Item	Picture	Parameters
1	TXLED05 Led Lamp		Power:30w Chip:Lumileds/Bridgelux/Cree/Epistar Lumens:100-120 lm/w Voltage:DC 12V Color temperature:3000-6500K
2	Solar Panels		Power:90w Nominal Voltage:18V/17.5V Efficiency of solar cells:18% Material: Mono Cells/Poly Cells
3	Gel Battery		Capacity:60AH Nominal Voltage:12V
	Lithium battery		Capacity:40 AH Nominal Voltage:12V
4	Controller		Rated Current:5A Nominal Voltage:12V
5	Pole		Height: 6m(A); Diameter: 60/160mm(d/D); Thickness: 3.0mm(B); Flange Plate:280*14mm(W*T)
6	Anchor Bolt		4-M18
7	Cables	RVV2*2.5	15m
8	Working time:12 hours per day ,2 days backup		

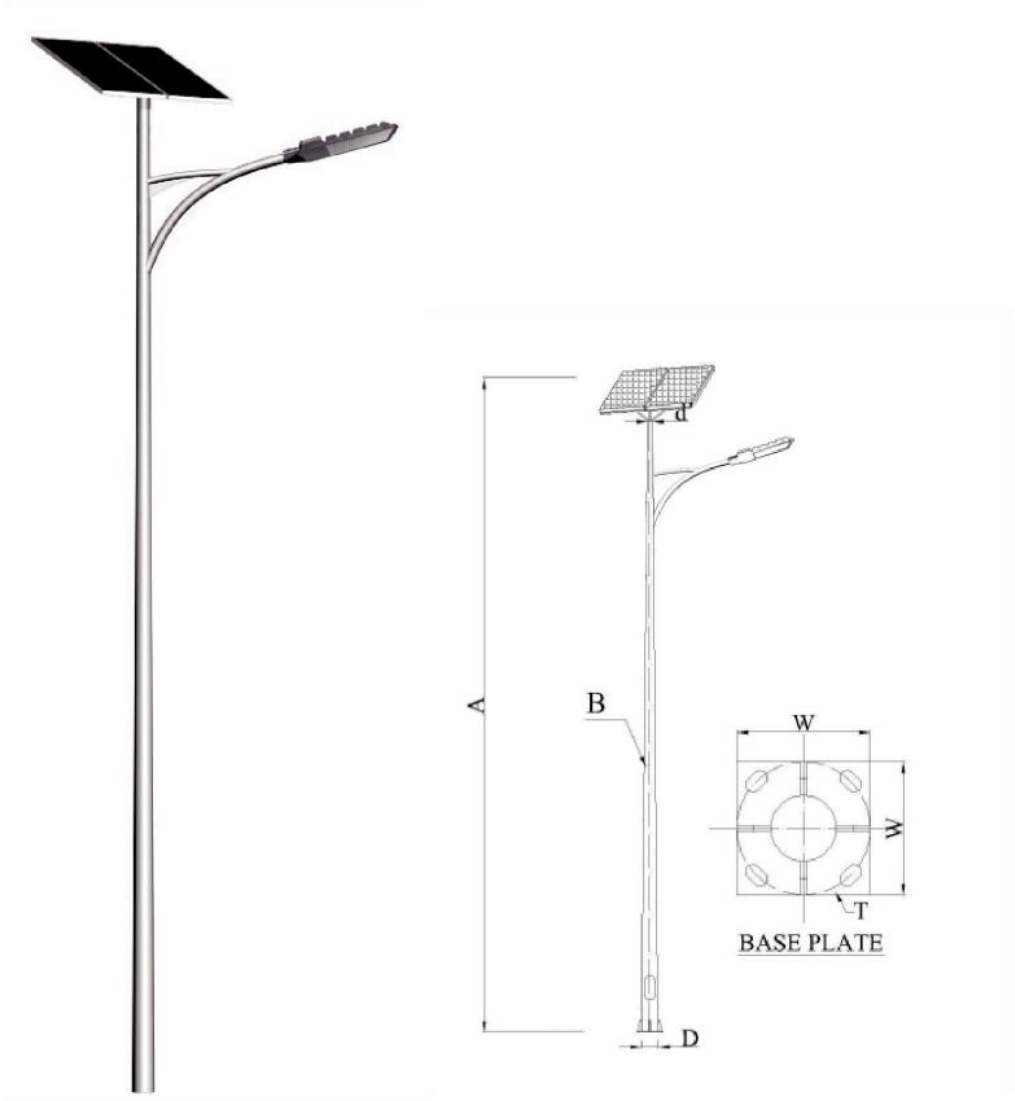
Solar street LIGHT










Single Arm Solar Street Light

No	Item	Picture	Parameters
1	TXLED05 Led Lamp		Power:40w Chip:Lumileds/Bridgelux/Cree/Epistar Lumens:100-120 lm/w Voltage:DC 12V Color temperature:3000-6500K
2	Solar Panels		Power:120w Nominal Voltage:18V/17.5V Efficiency of solar cells:18% Material: Mono Cells/Poly Cells
3	Gel Battery		Capacity:80AH Nominal Voltage:12V
	Lithium battery		Capacity:54AH Nominal Voltage:12V
4	Controller		Rated Current:10A Nominal Voltage:12V
5	Pole		Height: 7m(A); Diameter: 70/160mm(d/D); Thickness: 3.0mm(B); Flange Plate:320*14mm(W*T)
6	Anchor Bolt		4-M18
7	Cables	RVV2*2.5	18m
8	Working time:12 hours per day ,2 days backup		

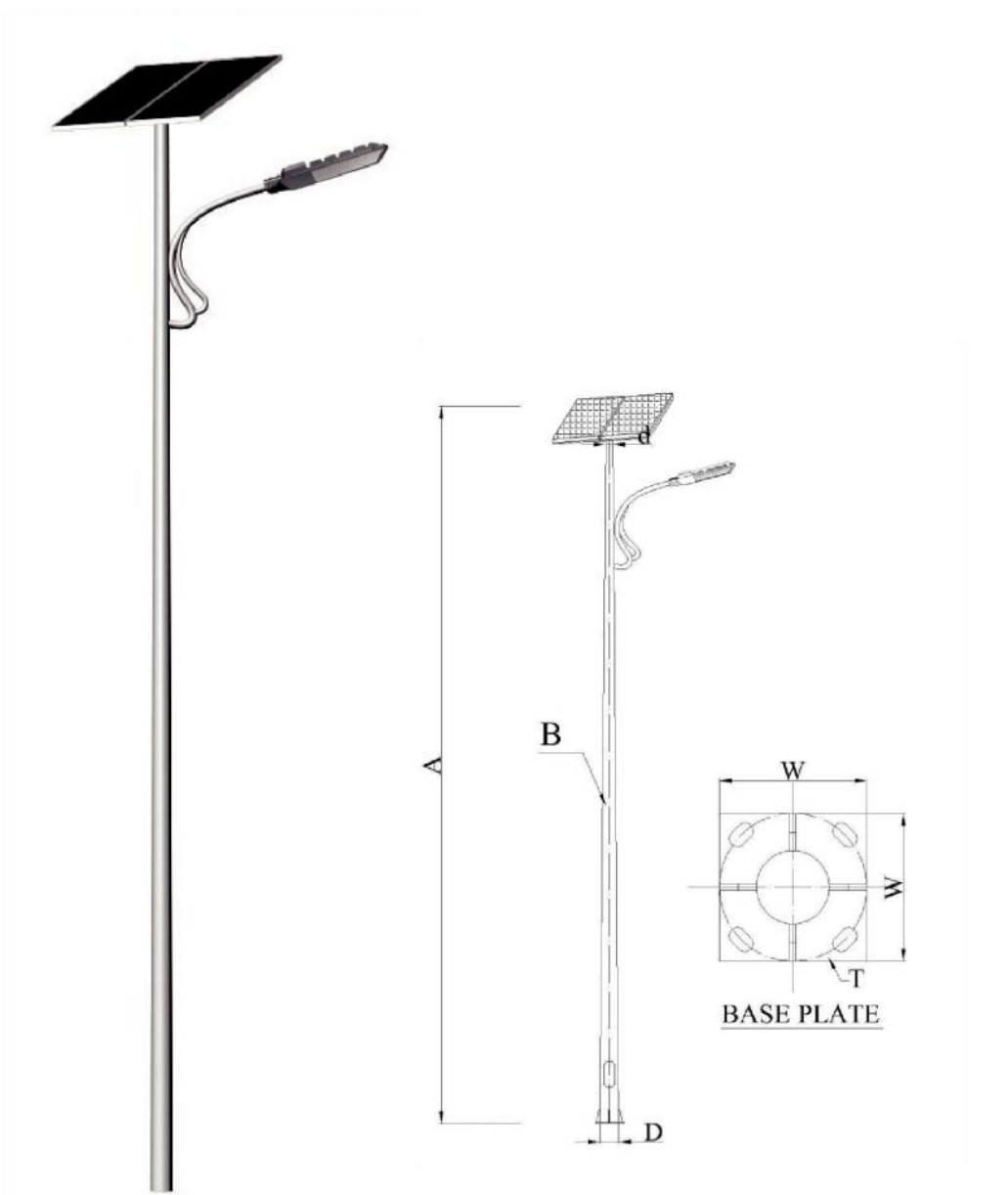
Solar street LIGHT





Single Arm Solar Street Light

No	Item	Picture	Parameters
1	TXLED05 Led Lamp		Power:60w Chip:Lumileds/Bridgelux/Cree/Epistar Lumens:100-120 lm/w Voltage:DC 24V Color temperature:3000-6500K
2	Solar Panels		Power:90w*2 Nominal Voltage:36V/35V Efficiency of solar cells:18% Material: Mono Cells/Poly Cells
3	Gel Battery		Capacity:60AH*2 Nominal Voltage:24V
	Lithium battery		Capacity:80AH Nominal Voltage:24V
4	Controller		Rated Current:10A Nominal Voltage:24V
5	Pole		Height: 8m(A); Diameter: 80/185mm(d/D); Thickness: 3.5mm(B); Flange Plate:350*16mm(W*T)
6	Anchor Bolt		4-M18
7	Cables	RVV2*2.5	20m
8	Working time:12 hours per day ,2 days backup		

Solar street LIGHT










Single Arm Solar Street Light

No	Item	Picture	Parameters
1	TXLED05 Led Lamp		Power:80w Chip:Lumileds/Bridgelux/Cree/Epistar Lumens:100-120 lm/w Voltage:DC 24V Color temperature:3000-6500K
2	Solar Panels		Power:120w*2 Nominal Voltage:36V/35V Efficiency of solar cells:18% Material: Mono Cells/Poly Cells
3	Gel Battery		Capacity:80AH*2 Nominal Voltage:24V
	Lithium battery		Capacity:106AH Nominal Voltage:24V
4	Controller		Rated Current:15A Nominal Voltage:24V
5	Pole		Height: 9m(A); Diameter: 80/200mm(d/D); Thickness: 4.0mm(B); Flange Plate:400*18mm(W*T)
6	Anchor Bolt		4-M18
7	Cables	RVV2*2.5	22m
8	Working time:12 hours per day ,2 days backup		

Solar street LIGHT



Single Arm Solar Street Light

No	Item	Picture	Parameters
1	TXLED05 Led Lamp		Power:100w Chip:Lumileds/Bridgelux/Cree/Epistar Lumens:100-120 lm/w Voltage:DC 24V Color temperature:3000-6500K
2	Solar Panels		Power:150w*2 Nominal Voltage:36V/35V Efficiency of solar cells:18% Material: Mono Cells/Poly Cells
3	Gel Battery		Capacity:100AH*2 Nominal Voltage:24V
	Lithium battery		Capacity:134AH Nominal Voltage:24V
4	Controller		Rated Current:15A Nominal Voltage:24V
5	Pole		Height: 10m(A); Diameter: 90/210mm(d/D); Thickness: 4.0mm(B); Flange Plate:400*20mm(W*T)
6	Anchor Bolt		4-M18
7	Cables	RVV2*2.5	24m
8	Working time:12 hours per day ,2 days backup		

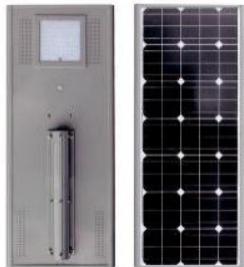
Integrated solar light



30W 40W 50W 60W



80W 100W



30W INTEGRATED SOLAR LIGHT

Solar panel	18V60W Solar panel(mono crystalline silicon)
LED light	30w LED
Battery Capacity	lithium battery 24AH
Lumen	110 lm/w
Controller current	5A
Led chips brand	LUMILEDS
Led life time	50000hours
Viewing angle	120°
Work time	8-10hours per day,3 days back up
Working Temperature	-30℃~+70℃
Color temperature	3000-6500k
Mounting height	7-8m
space between light	25-30m
Lamps material of main	aluminum alloy
Certificate	CE / ROHS / IP65
Product warranty	3 years
Product size	980*465*43mm
weight	14.75kg



40W INTEGRATED SOLAR LIGHT

Solar panel	18V60W Solar panel(mono crystalline silicon)
LED light	40w LED
Battery Capacity	lithium battery 24AH
Lumen	110 lm/w
Controller current	10A
Led chips brand	LUMILEDS
Led life time	50000hours
Viewing angle	120°
Work time	8-10hours per day,3 days back up
Working Temperature	-30℃~+70℃
Color temperature	3000-6500k
Mounting height	7-8m
space between light	25-30m
Lamps material of main	aluminum alloy
Certificate	CE / ROHS / IP65
Product warranty	3 years
Product size	980*465*43mm
weight	15.3kg



50W INTEGRATED SOLAR LIGHT

Solar panel	18V70W Solar panel(mono crystalline silicon)
LED light	50w LED
Battery Capacity	lithium battery 30AH
Lumen	110 lm/w
Controller current	10A
Led chips brand	LUMILEDS
Led life time	50000hours
Viewing angle	120°
Work time	8-10hours per day,3 days back up
Working Temperature	-30℃~+70℃
Color temperature	3000-6500k
Mounting height	7-9m
space between light	25-30m
Lamps material of main	aluminum alloy
Certificate	CE / ROHS / IP65
Product warranty	3 years
Product size	988*500*43mm
weight	16kg



80W INTEGRATED SOLAR LIGHT

Solar panel	18V110W (mono crystalline silicon)
LED light	80w LED
Battery Capacity	lithium battery 54AH
Lumen	110 lm/w
Controller current	10A
Led chips brand	LUMILEDS
Led life time	50000hours
Viewing angle	120°
Work time	8-10hours per day,3 days back up
Working Temperature	-30℃~+70℃
Color temperature	3000-6500k
Mounting height	9-10m
space between light	30-35m
Lamps material of main	aluminum alloy
Certificate	CE / ROHS / IP65
Product warranty	3 years
Product size	1345*550*43mm
weight	32kg



60W INTEGRATED SOLAR LIGHT

Solar panel	18V80W Solar panel(mono crystalline silicon)
LED light	60w LED
Battery Capacity	lithium battery 30AH
Lumen	110 lm/w
Controller current	10A
Led chips brand	LUMILEDS
Led life time	50000hours
Viewing angle	120°
Work time	8-10hours per day,3 days back up
Working Temperature	-30℃~+70℃
Color temperature	3000-6500k
Mounting height	7-9m
space between light	25-30m
Lamps material of main	aluminum alloy
Certificate	CE / ROHS / IP65
Product warranty	3 years
Product size	1147*480*43mm
weight	20kg

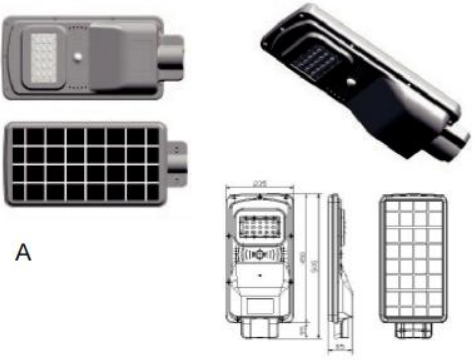


100W INTEGRATED SOLAR LIGHT

Solar panel	18V120W Solar panel(mono crystalline silicon)
LED light	100w LED
Battery Capacity	lithium battery 54AH
Lumen	110 lm/w
Controller current	15A
Led chips brand	LUMILEDS
Led life time	50000hours
Viewing angle	120°
Work time	8-10hours per day,3 days back up
Working Temperature	-30℃~+70℃
Color temperature	3000-6500k
Mounting height	9-10m
space between light	30-35m
Lamps material of main	aluminum alloy
Certificate	CE / ROHS / IP65
Product warranty	3 years
Product size	1470*550*45mm
weight	36kg



mini Integrated solar light



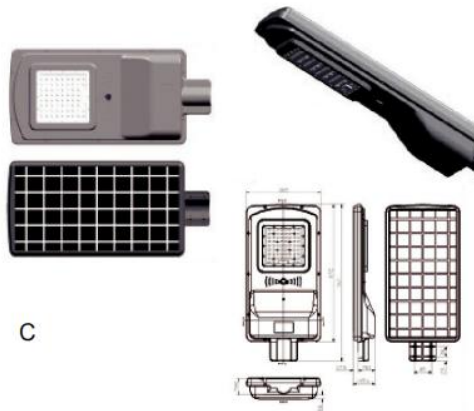
Electrical Characteristics:

Solar panel	10w
Lithium battery	3.7V 8Ah
LED chip quantity	15pcs
Controller	3.7V 5A
Lumen	800lumens
Charging time	9-10hours
Lighting time	6-8hour/day, 3days
Ray sensor	<10lux
PIR sensor	5-8m,120°
Install height	2.5-3.5m
Waterproof	IP65
Material	Aluminum
Size	505*235*85mm
Working temperature	-25℃~65℃
Warranty	3years



Electrical Characteristics:

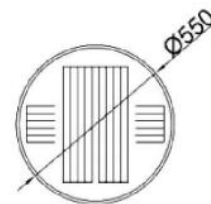
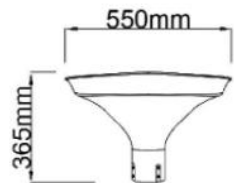
Solar panel	20w
Lithium battery	7.4V 8Ah
LED chip quantity	30pcs
Controller	7.4V 5A
Lumen	1600lumens
Charging time	9-10hours
Lighting time	6-8hour/day, 3days
Ray sensor	<10lux
PIR sensor	5-8m,120°
Install height	2.5-3.5m
Waterproof	IP65
Material	Aluminum
Size	640*293*85mm
Working temperature	-25℃~65℃
Warranty	3years



Electrical Characteristics:

Solar panel	35w
Lithium battery	7.4V 18Ah
LED chip quantity	60pcs
Lumen	3200lumens
Controller	7.4V 5A
Charging time	9-10hours
Lighting time	6-8hour/day, 3days
Ray sensor	<10lux
PIR sensor	5-8m,120°
Install height	2.5-5m
Waterproof	IP65
Material	Aluminum
Size	767*365*105.6mm
Working temperature	-25℃~65℃
Warranty	3years

Solar Garden Light



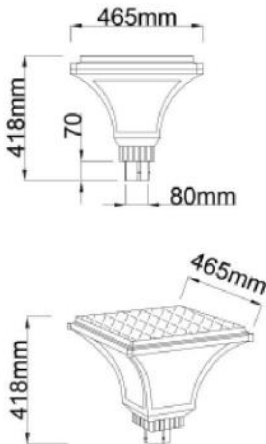
Product Feature

- 1 A Grade monocrystalline solar panel, high efficiency solar cells. Lifespan reaches more than 25 years.
- 2 Full-automatic intelligent light control, energy-saving time control.
- 3 Die-casting aluminu light shell. Anti-corrosion, Anti-oxidation. High-impact PC cover.
- 4 In areas which are tree-shaded or lack of sunshine, we suggest to use DC&AC complementary controller.

- 5 High performance battery, LiFePO₄ Lithium battery for your selection.
- 6 Branded LED chips (Lumileds). Lifetime up to 50,000 hours.
- 7 Easy installation, no cabling, no trenching. Labor cost saver, free maintenance.
- 8 ≥ 42 working hours after fully charged.

TECHNICAL SPECIFICATION

Product Name	TXSGL-01
Controller	6V 10A
Solar panel	35w
Lithium battery	3.2V 24AH
LED chips quantity	120pcs
Light source	2835
Color temperature	3000-6500k
Housing material	Die-cast aluminum
Cover material	PC
Housing color	As customer's requirement
Protection class	IP65
Mounting diameter option	Φ76-89mm
Charging time	9-10hours
Lighting time	6-8hour/day, 3days
Install height	3-5m
Temperature range	-25℃/+55℃
Size	550*550*365mm
Product weight	6.2kg



Product Feature

- 1
- A Grade monocrystalline solar panel, high efficiency solar cells. Lifespan reaches more than 25 years.
- 2
- Full-automatic intelligent light control, energy-saving time control.
- 3
- Die-casting alminum light shell.
Anti-corrosion, Anti-oxidation.
High-impact PC cover.
- 4
- In areas which are tree-shaded or lack of sunshine, we suggest to use DC&AC complementary controller.

- 5
- High performance battery,
LiFePO₄ Lithium battery for your selection.
- 6
- Branded LED chips (Lumileds).
Lifetime up to 50,000 hours.
- 7
- Easy installation, no cabling, no trenching.
Labor cost saver, free maintenance.
- 8
- ≥ 42 working hours after fully charged.

TECHNICAL SPECIFICATION

Product Name	TXSGL-101
Controller	3.2V 5A
Solar panel	25w
Lithium battery	3.2V 24AH
LED chips quantity	60pcs
Light source	2835
Color temperature	3000-6500k
Housing material	Die-cast aluminum
Cover material	PC
Housing color	As customer's requirement
Protection class	IP65
Mounting diameter option	Φ76mm
Lighting time	6-12hour/day, 2days
Install height	3-5m
Working temperature	-25~55℃
Size	465*465*418mm
Product weight	8kg

Solar Garden Light



Product Feature

- 1

A Grade monocrystalline solar panel, high efficiency solar cells. Lifespan reaches more than 25 years.
- 2

Full-automatic intelligent light control, energy-saving time control.
- 3

Die-casting alminum light shell. Anti-corrosion, Anti-oxidation. High-impact PC cover.
- 4

In areas which are tree-shaded or lack of sunshine, we suggest to use DC&AC complementary controller.
- 5

High performance battery, LiFePO₄ Lithium battery for your selection.
- 6

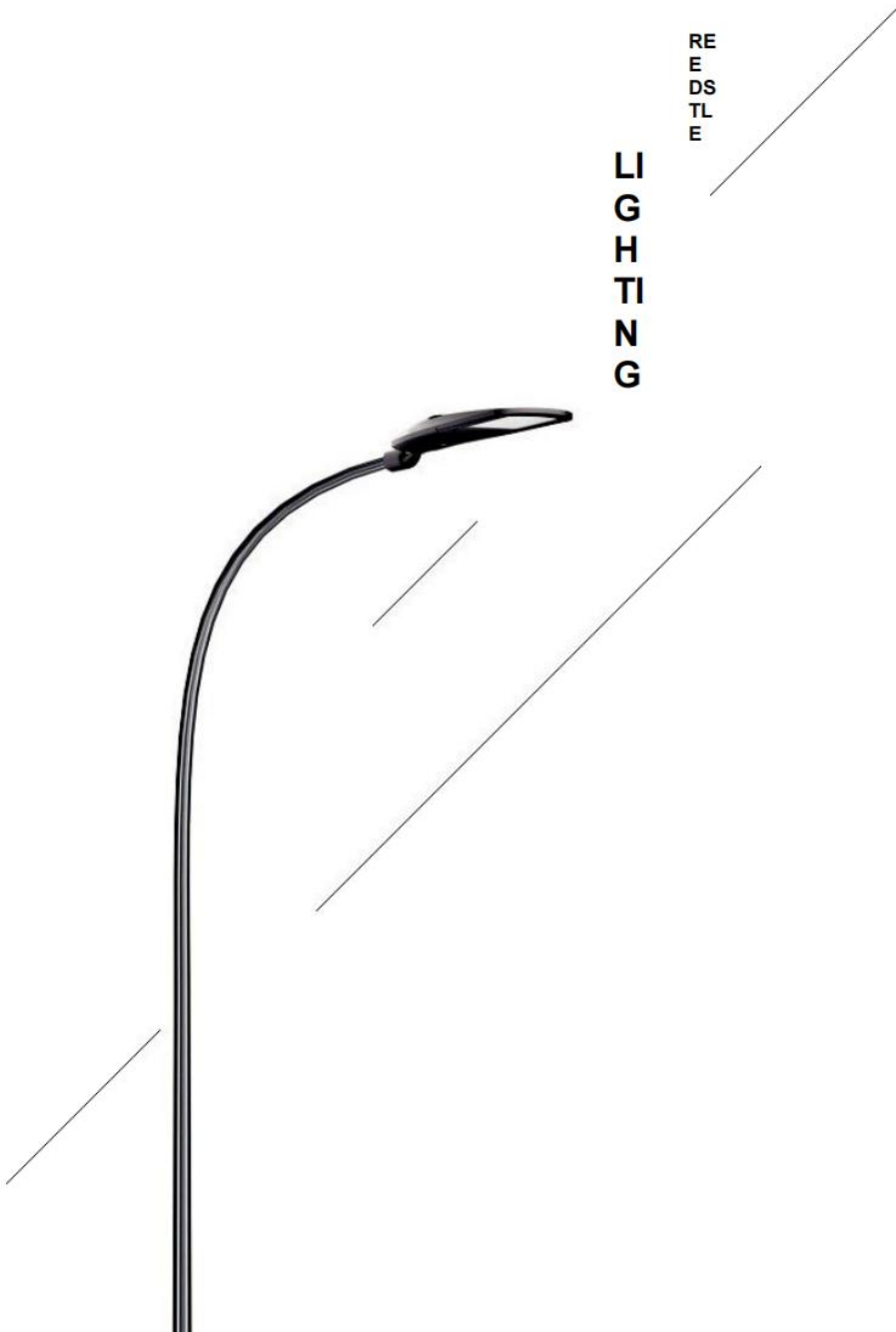
Branded LED chips (Lumileds). Lifetime up to 50,000 hours.
- 7

Easy installation, no cabling, no trenching. Labor cost saver, free maintenance.
- 8

≥ 42 working hours after fully charged.

TECHNICAL SPECIFICATION

Controller	3.2V 5A
Solar panel	25w
Lithium battery	3.2V 24AH
LED chips quantity	60pcs
Light source	2835
Color temperature	3000-6500k
Housing material	Die-cast aluminum
Cover material	PC
Housing color	As customer's requirement
Protection class	IP65
Mounting diameter option	Φ76mm
Lighting time	6-12hour/day, 2days
Install height	3-5m
Working temperature	-25~55℃



LIGHTING

REDS TLE



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TXLED-101

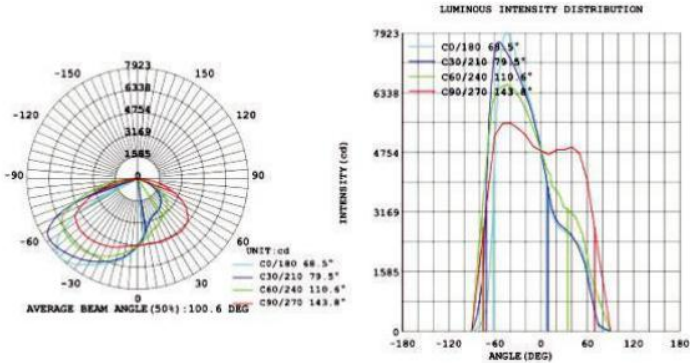
TXLED-102 TXLED-103

LED STREET LIGHTING

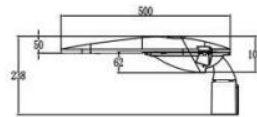
	CRI	PF	 10%~	 +50℃	
AC100-305V~80		>0.95	90%	-35℃	50,000h



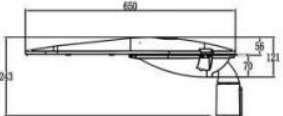
TXLED-10



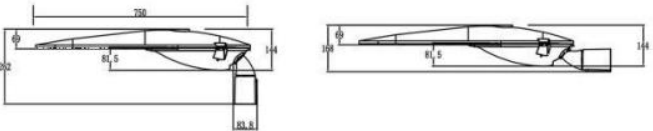
TXLED-10(A)



TXLED-10(B)



TXLED-10(C)



TECHNICAL SPECIFICATION

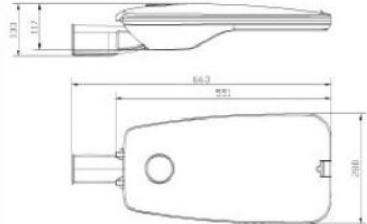
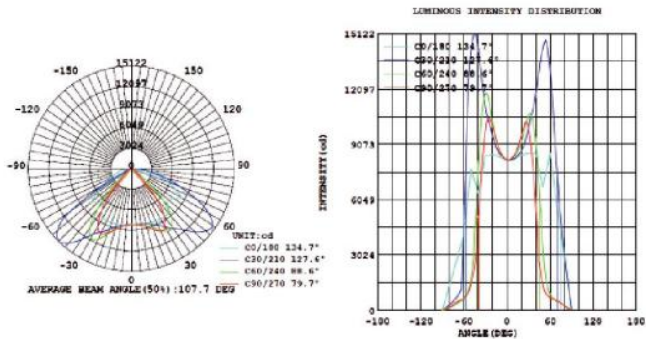
Product Name	TXLED-10A	TXLED-10B	TXLED-10C
Max Power	80w	150w	220w
LED chip quantity	36pcs	64pcs	100pcs
Supply voltage range	100-305V AC		
Temperature range	-25℃/+55℃		
Light guiding system	PC lenses		
Light source	LUXEON 5050/3030		
Color temperature	3000-6500k		
Color rendering index	>80RA		
Lumen	≥110 lm/w		
LED luminous efficiency	90%		
Lightning protection	10KV		
Service life	Min 50000 hours		
Housing material	Die-cast aluminum		
Sealing material	Silicone rubber		
Cover material	Tempered glass		
Housing color	As customer's requirement		
Protection class	IP66		
Mounting diameter option	Φ60mm		
Suggested mounting height	6-9m	9-12m	10-12m
Dimension(L*W*H)	610*270*140mm	765*320*140mm	866*372*168mm

LED STREET LIGHTING

AC100-305V	CRI >80	PF >0.95	10%~ 90%	+50°C -35°C	50,000h
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TXLED-09



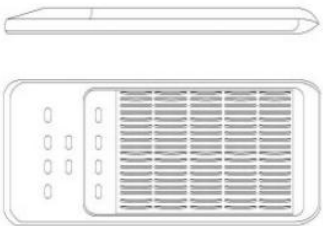
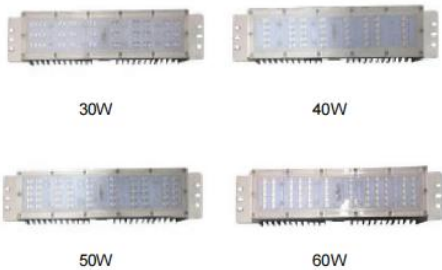
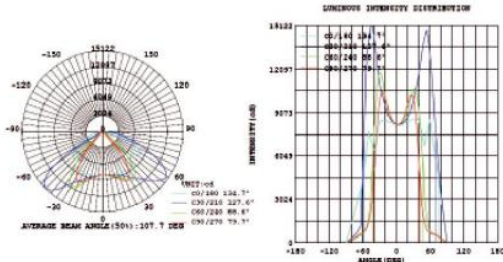
TECHNICAL SPECIFICATION

Product Name	TXLED-09A	TXLED-09B
Max Power	100w	200w
LED chip quantity	36pcs	80pcs
Supply voltage range	100-305V AC	
Temperature range	-25°C/+55°C	
Light guiding system	PC lenses	
Light source	LUXEON 5050/3030	
Color temperature	3000-6500k	
Color rendering index	>80RA	
Lumen	≥110 lm/w	
LED luminous efficiency	90%	
Lightning protection	10KV	
Service life	Min 50000 hours	
Housing material	Die-cast aluminum	
Sealing material	Silicone rubber	
Cover material	Tempered glass	
Housing color	As customer's requirement	
Protection class	IP66	
Mounting diameter option	Φ60mm	
Suggested mounting height	8-10m	10-12m
Dimension(L*W*H)	663*280*133mm	813*351*137mm

 AC100-305V	 CRI >80	 PF >0.95	 10%~90%	 +50°C~-35°C	 50,000h
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TXLED-08



Module quantity	L	W	H
1pcs	420	355	80
2pcs	500	355	155
3pcs	580	355	155
4pcs	660	355	155
5pcs	740	355	155
6pcs	820	355	155
7pcs	900	355	155
8pcs	980	355	155
9pcs	1060	355	155
10pcs	1140	355	155

TECHNICAL SPECIFICATION

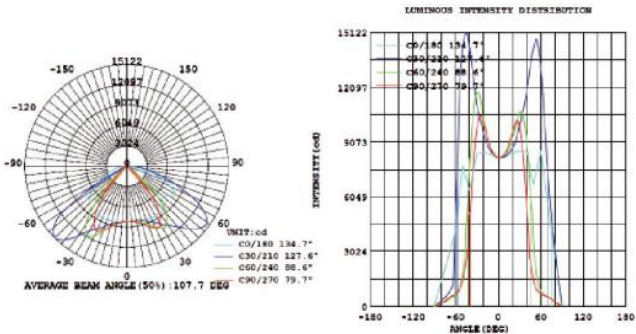
Product Name	TXLED-08
Max Power	360W
Supply voltage range	100-305V AC
Temperature range	-25°C/+55°C
Light guiding system	PC lenses
Light source	LUXEON 3030/5050
Color temperature	3000-6500k
Color rendering index	>80RA
Lumen	≥120 lm/w
LED luminous efficiency	90%
Lightning protection	10KV
Service life	Min 50000 hours
Housing material	Die-cast aluminum
Housing color	As customer's requirement
Protection class	IP66
Mounting diameter option	Φ60mm
Suggested mounting height	5-12m

LED STREET LIGHTING

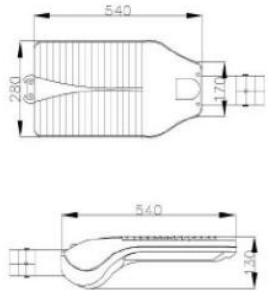
 AC100-305V	 CRI >80	 PF >0.95	 10%~90%	 +50℃~-35℃	 50,000h
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TXLED-07



TXLED-07



TECHNICAL SPECIFICATION

Product Name	TXLED-07
Max Power	100w
Supply voltage range	100-305V AC
Temperature range	-25℃/+55℃
Light guiding system	PC lenses
Light source	LUXEON 3030
Color temperature	3000-6500k
Color rendering index	>80RA
Lumen	≥110 lm/w
LED luminous efficiency	90%
Lightning protection	10KV
Service life	Min 50000 hours
Housing material	Die-cast aluminum
Sealing material	Silicone rubber
Cover material	Tempered glass
Housing color	As customer's requirement
Protection class	IP66
Mounting diameter option	Φ60mm
Suggested mounting height	5-12m
Dimension(L*W*H)	530*280*156mm

LED STREET LIGHTING

	CRI	PF			
AC100-305V	>80	>0.95	10%-90%	+50°C/-35°C	50,000h



TXLED-06



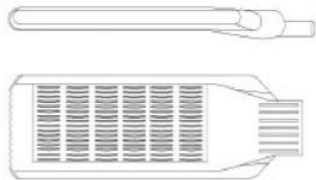
30W

40W

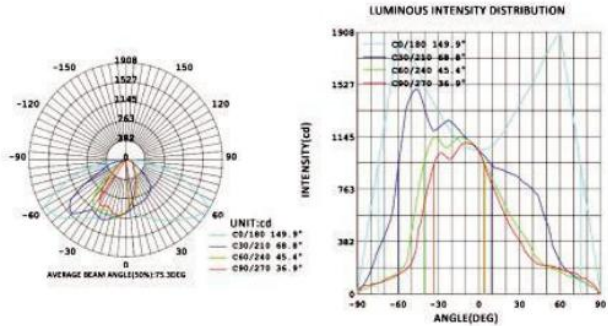


50W

60W



Module quantity	L	W	H
1pcs	480	355	155
2pcs	560	355	155
3pcs	640	355	155
4pcs	720	355	155
5pcs	800	355	155
6pcs	880	355	155
7pcs	960	355	155
8pcs	1040	355	155
9pcs	1120	355	155
10pcs	1200	355	155

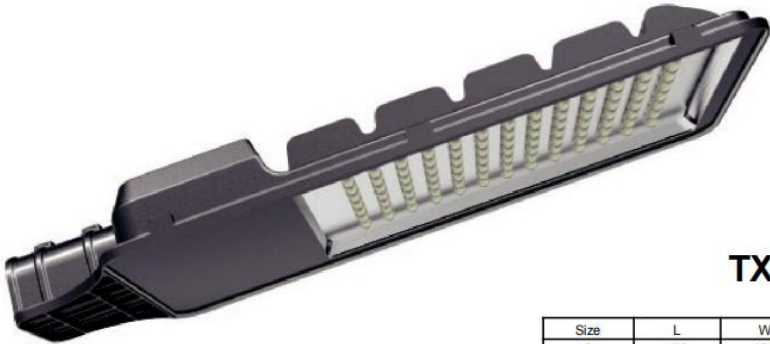


TECHNICAL SPECIFICATION

Product Name	TXLED-06
Max Power	360W
Supply voltage range	100-305V AC
Temperature range	-25℃/+55℃
Light guiding system	PC lenses
Light source	LUXEON 3030/5050
Color temperature	3000-6500k
Color rendering index	>80RA
Lumen	≥120 lm/w
LED luminous efficiency	90%
Lightning protection	10KV
Service life	Min 50000 hours
Housing material	Die-cast aluminum
Housing color	As customer's requirement
Protection class	IP66
Mounting diameter option	Φ60mm
Suggested mounting height	5-12m

LED STREET LIGHTING

 AC100-305V	CRI >80	PF >0.95	 10%~90%	 +50°C -35°C	 50,000h
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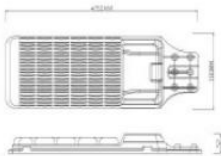


TXLED-05

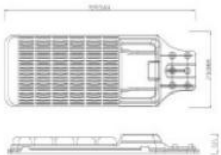
Size	L	W	H
A	450	180	52
B	550	210	55
C	680	278	80
D	780	278	80
E	975	380	94



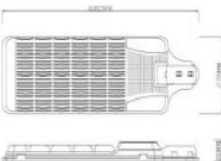
TXLED-05(A)



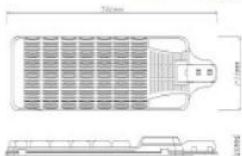
TXLED-05(B)



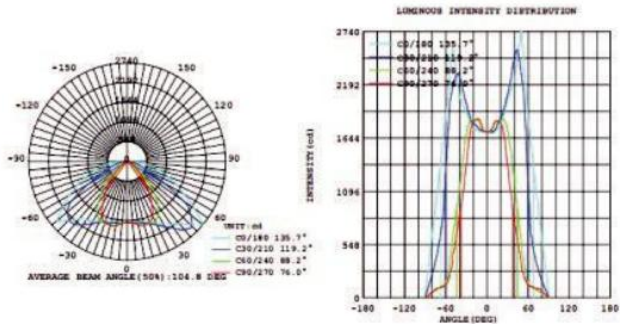
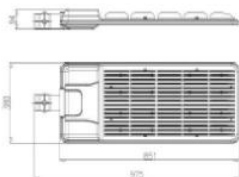
TXLED-05(C)



TXLED-05(D)



TXLED-05(E)



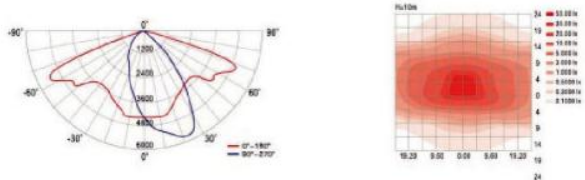
TECHNICAL SPECIFICATION

Product Name	TXLED-05 A/B/C/D/E
Max Power	30w/60w/120w/200w/300w
Supply voltage range	100-305V AC
Temperature range	-25℃/+55℃
Light guiding system	PC lenses
Light source	LUXEON 3030
Color temperature	3000-6500k
Color rendering index	>80RA
Lumen	≥110 lm/w
LED luminous efficiency	90%
Lightning protection	10KV
Service life	Min 50000 hours
Housing material	Die-cast aluminum
Sealing material	Silicone rubber
Cover material	Tempered glass
Housing color	As customer's requirement
Protection class	IP66
Mounting diameter option	Φ60mm
Suggested mounting height	5-12m

	CRI	PF			
AC100-305V	>80	>0.95	10%~90%	+50°C~-35°C	50,000h



TXLED-101



TECHNICAL SPECIFICATION

Product Name	TXLED-101 A/B
Max Power	120w/200w
LED chip quantity	144pcs/216pcs
Supply voltage range	100-305V AC
Temperature range	-25°C/+55°C
Light guiding system	PC lenses
Light source	LUXEON 3030
Color temperature	3000-6500k
Color rendering index	>80RA
Lumen	≥110 lm/w
LED luminous efficiency	90%
Lightning protection	10KV
Service life	Min 50000 hours
Housing material	Die-cast aluminum
Sealing material	Silicone rubber
Cover material	Tempered glass
Housing color	As customer's requirement
Protection class	IP66
Mounting diameter option	Φ60mm
Suggested mounting height	5-12m
Size	757*225*131/857*225*131mm

LED STREET LIGHTING

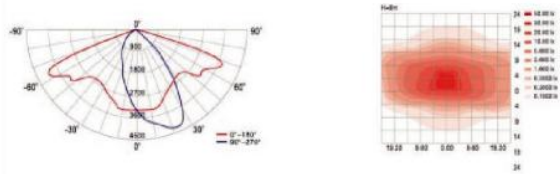
	CRI	PF		10%~		+50°C	
AC100-305V~80		>0.95		90%		35°C	50,000h



TXLED-102



Model	Max power	LED chip quantity	Size
TXLED-102A	90w	90pcs	492*210*86mm
TXLED-102B	150w	180pcs	492*295*86mm
TXLED-102C	300w	360pcs	870*295*86mm



TXLED-102(A)

TXLED-102(B)

TXLED-102(C)

TECHNICAL SPECIFICATION

Product Name	TXLED-102 A/B/C
Max Power	90w/150w/300w
Supply voltage range	100-305V AC
Temperature range	-25°C/+55°C
Light guiding system	PC lenses
Light source	LUXEON 3030
Color temperature	3000-6500k
Color rendering index	>80RA
Lumen	≥110 lm/w
LED luminous efficiency	90%
Lightning protection	10KV
Service life	Min 50000 hours
Housing material	Die-cast aluminum
Sealing material	Silicone rubber
Cover material	Tempered glass
Housing color	As customer's requirement
Protection class	IP66
Mounting diameter option	Φ60mm
Suggested mounting height	5-12m

LED STREET LIGHTING

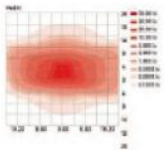
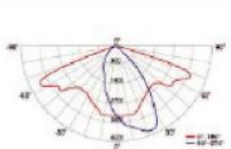
	CRI	PF	 10%~	 +50℃	
AC100-305V~80		>0.95	90%	35℃	50,000h



TXLED-103



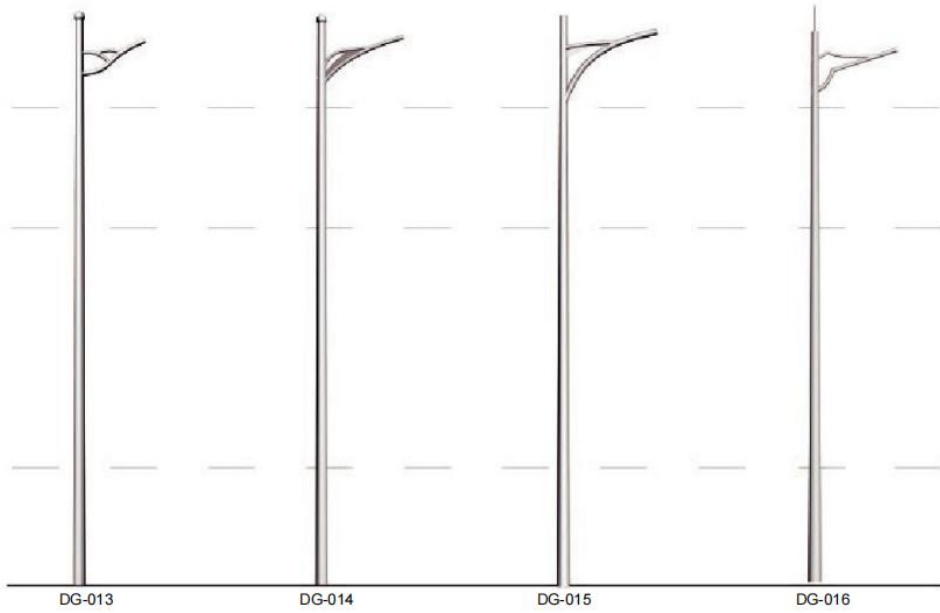
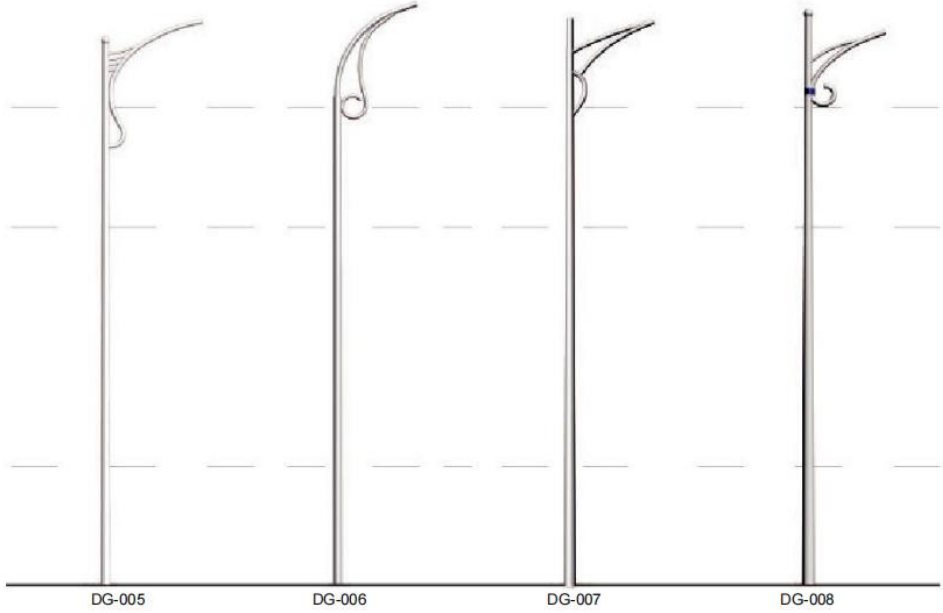
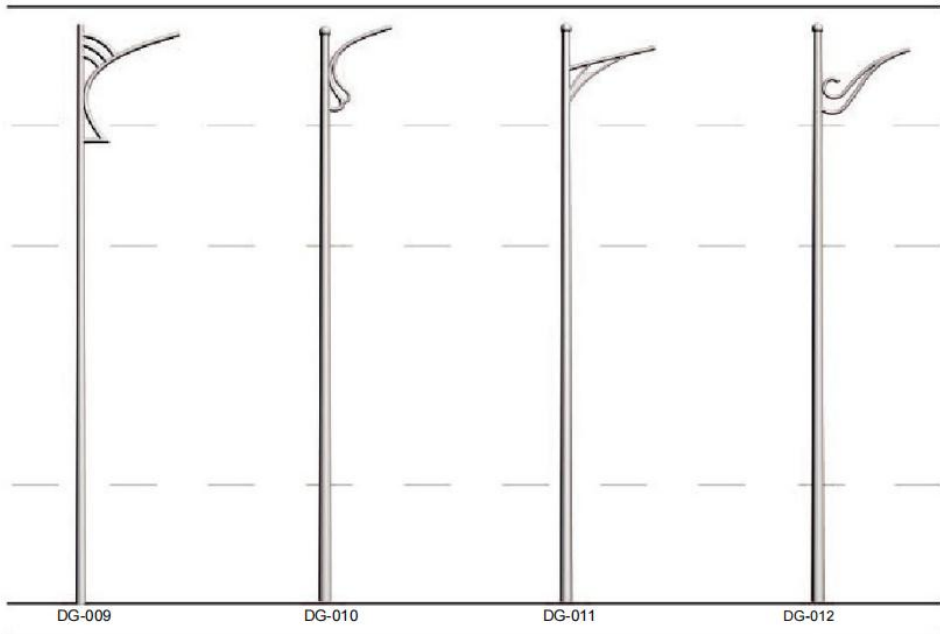
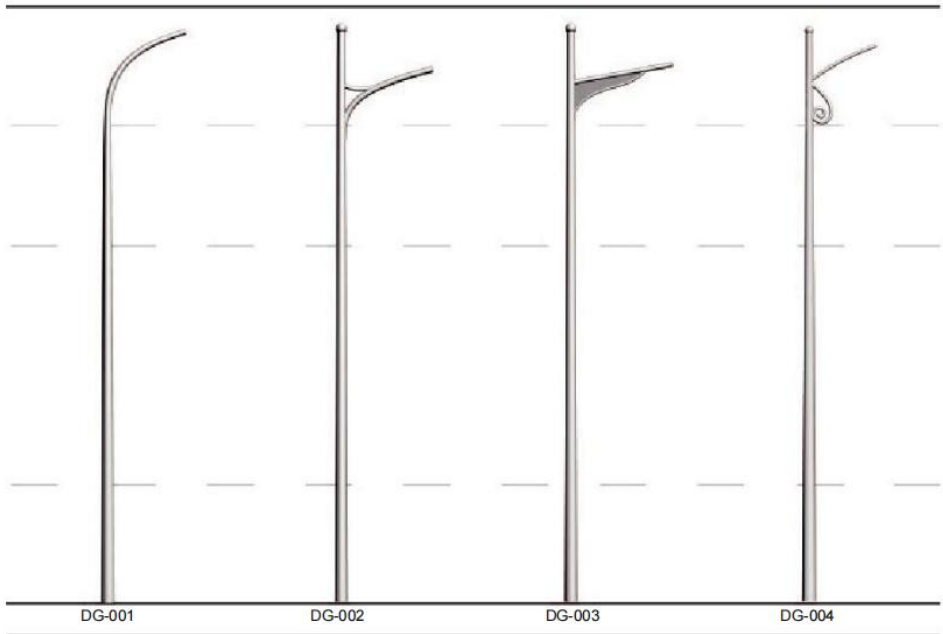
Model	Max power	Max led chip quantity	Size
TXLED-103A	100w	144pcs	422*320*140mm
TXLED-103B	150w	240pcs	522*320*140mm
TXLED-103C	180w	288pcs	600*320*140mm
TXLED-103D	240w	336pcs	700*320*140mm
TXLED-103E	400w	480pcs	853*320*140mm

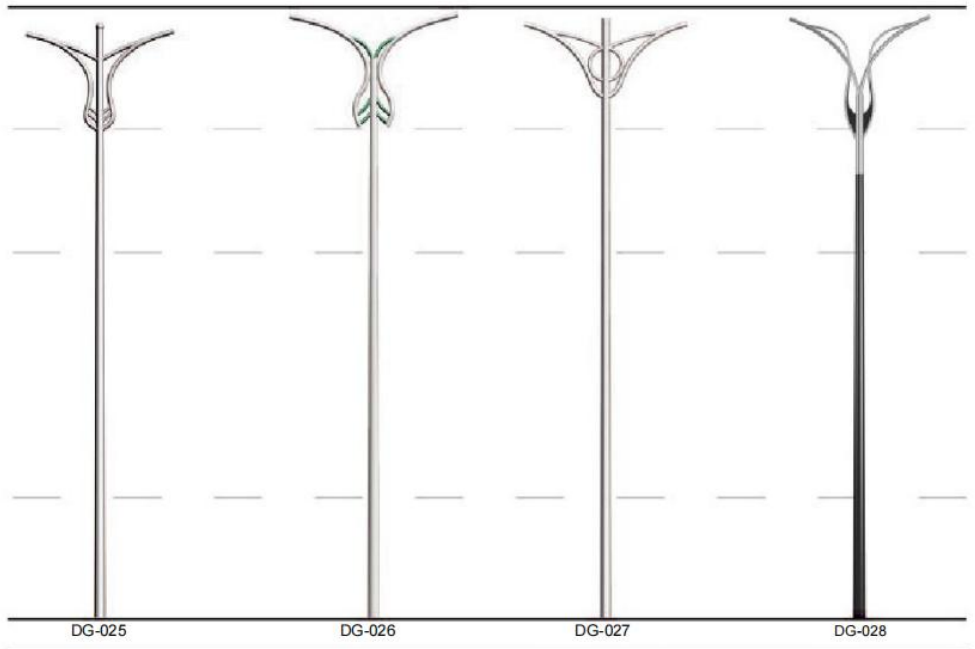


TECHNICAL SPECIFICATION

Product Name	TXLED-103 A/B/C/D/E
Max Power	100w/150w/180w/240w/400w
Supply voltage range	100-305V AC
Temperature range	-25℃/+55℃
Light guiding system	PC lenses
Light source	LUXEON 3030
Color temperature	3000-6500k
Color rendering index	>80RA
Lumen	≥110 lm/w
LED luminous efficiency	90%
Lightning protection	10KV
Service life	Min 50000 hours
Housing material	Die-cast aluminum
Sealing material	Silicone rubber
Cover material	Tempered glass
Housing color	As customer's requirement
Protection class	IP66
Mounting diameter option	Φ60mm
Suggested mounting height	5-12m

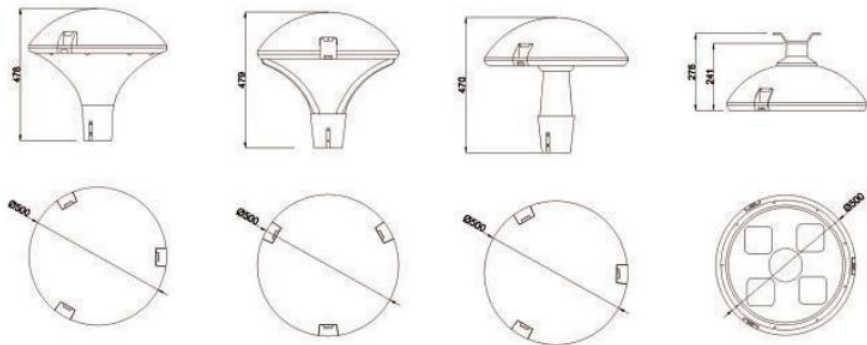
LED STREET LIGHT POLE DESIGN







TXGL-01



TECHNICAL SPECIFICATION

Product Name	TXGL-01 A/B/C/D
Max power	120w
Supply voltage range	100-305V AC
Temperature range	-25℃/+55℃
Light guiding system	PC lenses
Light source	LUXEON 5050/3030
Color temperature	3000-6500k
Color rendering index	>80RA
Lumen	≥110 lm/w
LED luminous efficiency	90%
Lightning protection	10KV
Service life	Min 50000 hours
Housing material	Die-cast aluminum
Sealing material	Silicone rubber
Cover material	PC
Housing color	As customer's requirement
Protection class	IP66
Mounting diameter option	Φ76-89mm
Suggested mounting height	3-8m
Dimension(L*W*H)	500*500*478/500*500*479/500*500*470/500*500*278mm
Net weight	9.2kg/9kg/8.4kg/7.7kg



TXGL-101

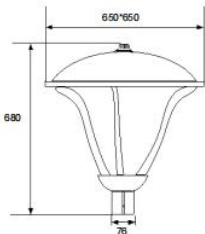
TECHNICAL SPECIFICATION

Product Name	TXGL-101
Max Power	120w
Supply voltage range	100-305V AC
Temperature range	-25℃/+55℃
Light guiding system	PC lenses
Light source	LUXEON 3030
Color temperature	3000-6500k
Color rendering index	>80RA
Lumen	≥110 lm/w
LED luminous efficiency	90%
Lightning protection	10KV
Service life	Min 50000 hours
Housing material	Die-cast aluminum
Sealing material	Silicone rubber
Cover material	PC
Housing color	As customer's requirement
Protection class	IP66
Mounting diameter option	Φ60-76mm
Suggested mounting height	3-10m
Dimension(L*W*H)	400*400*800mm
Net weight	7.7kg



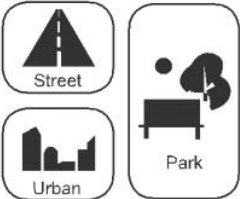


TXGL-102



TECHNICAL SPECIFICATION

Product Name	TXGL-102
Max Power	120w
Supply voltage range	100-305V AC
Temperature range	-25℃/+55℃
Light guiding system	PC lenses
Light source	LUXEON 3030
Color temperature	3000-6500k
Color rendering index	>80RA
Lumen	≥110 lm/w
LED luminous efficiency	90%
Lightning protection	10KV
Service life	Min 50000 hours
Housing material	Die-cast aluminum
Sealing material	Silicone rubber
Cover material	PC
Hosing color	As customer's requirement
Protection class	IP66
Mounting diameter option	Φ76mm
Suggested mounting height	3-10m
Dimension(L*W*H)	650*650*680mm
Net weight	13.5kg



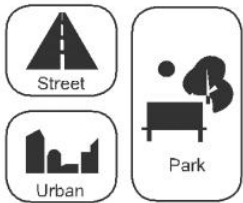


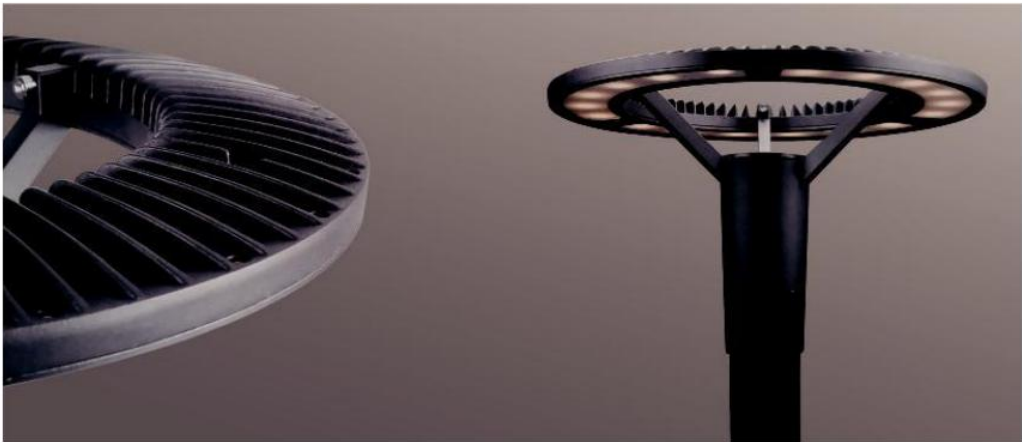
TXGL-103



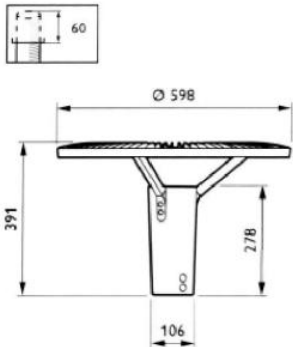
TECHNICAL SPECIFICATION

Product Name	TXGL-103
Max Power	100w
LED chip quantity	108pcs
Supply voltage range	100-305V AC
Temperature range	-25℃/+55℃
Light guiding system	PC lenses
Light source	LUXEON 3030
Color temperature	3000-6500k
Color rendering index	>80RA
Lumen	≥110 lm/w
LED luminous efficiency	90%
Lightning protection	10KV
Service life	Min 50000 hours
Housing material	Die-cast aluminum
Sealing material	Silicone rubber
Cover material	Tempered glass
Hosing color	As customer's requirement
Protection class	IP66
Mounting diameter option	Φ60mm
Suggested mounting height	3-8m
Dimension(L*W*H)	481**481*471mm
Net weight	7kg



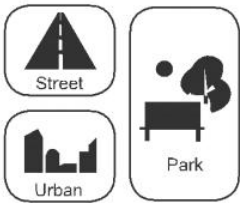


TXGL-104



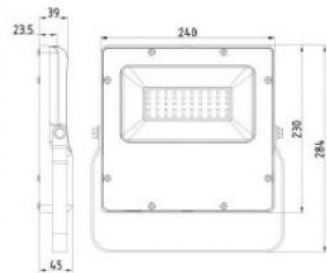
TECHNICAL SPECIFICATION

Product Name	TXGL-104
Max Power	60w
LED chip quantity	72pcs
Supply voltage range	100-305VAC
Temperature range	-25℃/+55℃
Light source	LUXEON 3030
Color temperature	3000-6500k
Color rendering index	>80RA
Lumen	≥110 lm/w
LED luminous efficiency	90%
Lightning protection	10KV
Service life	Min 50000 hours
Housing material	Die-cast aluminum
Sealing material	Silicone rubber
Cover material	PC
Hosing color	As customer's requirement
Protection class	IP66
Mounting diameter option	Φ60-76mm
Suggested mounting height	3-7m
Dimension(L*W*H)	598*598*391mm
Net weight	7kg



LED FLOOD LIGHTING

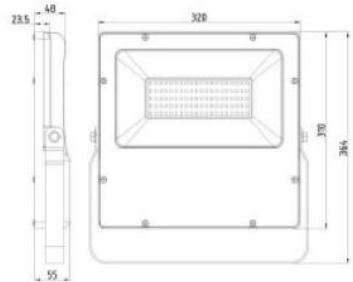
 AC100-305V >80	CRI	PF	 10%~90%	 +50°C~-35°C	 50,000h
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Technical Data

Max Power	50W
Size	240*284*45mm
N.W	2.35KG
LED driver	MEANWELL/PHILIPS/ORDINARY BRAND
LED chip	Lumileds/BRIDGELUX/EPRISTAR/CREE
Material	Die-casting aluminum
Light Luminous Efficiency	>100 lm/W
Uniformity	>0.8
LED Luminous Efficiency	>90%
Color temperature	3000-6500K
Color Rendering index	Ra>80
Input Voltage	AC100-305V
Power Factor	>0.95
Working environment	-60°C~70°C
IP rating	IP65
Working life	>50000hours

 AC100-305V >80	CRI	PF	 10%~90%	 +50°C~-35°C	 50,000h
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Technical Data

Max Power	100W
Size	320*364*55mm
N.W	4.8KG
LED driver	MEANWELL/PHILIPS/ORDINARY BRAND
LED chip	Lumileds/BRIDGELUX/EPRISTAR/CREE
Material	Die-casting aluminum
Light Luminous Efficiency	>100 lm/W
Uniformity	>0.8
LED Luminous Efficiency	>90%
Color temperature	3000-6500K
Color Rendering index	Ra>80
Input Voltage	AC100-305V
Power Factor	>0.95
Working environment	-60°C~70°C
IP rating	IP65
Working life	>50000hours

LED FLOOD LIGHTING

	CRI	PF			
AC100-305V	>80	>0.95	10%~90%	+50°C~-35°C	50,000h



Technical Data

Max Power	150W
Size	370*410*55mm
N.W	6KG
LED driver	MEANWELL/PHILIPS/ORDINARY BRAND
LED chip	Lumileds/BRIDGELUX/EPRISTAR/CREE
Material	Die-casting aluminum
Light Luminous Efficiency	>100 lm/W
Uniformity	>0.8
LED Luminous Efficiency	>90%
Color temperature	3000-6500K
Color Rendering index	Ra>80
Input Voltage	AC100-305V
Power Factor	>0.95
Working environment	-60°C~70°C
IP rating	IP65
Working life	>50000hours





	CRI	PF			
AC100-305V	>80	>0.95	10%~90%	+50°C~-35°C	50,000h



Technical Data

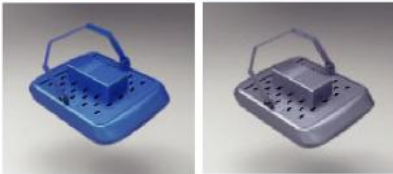
Max Power	200W
Size	455*410*55mm
N.W	7.1KG
LED driver	MEANWELL/PHILIPS/ORDINARY BRAND
LED chip	Lumileds/BRIDGELUX/EPRISTAR/CREE
Material	Die-casting aluminum
Light Luminous Efficiency	>100 lm/W
Uniformity	>0.8
LED Luminous Efficiency	>90%
Color temperature	3000-6500K
Color Rendering index	Ra>80
Input Voltage	AC100-305V
Power Factor	>0.95
Working environment	-60°C~70°C
IP rating	IP65
Working life	>50000hours

LED FLOOD LIGHTING

	CRI	PF			
AC100-305V	>80	>0.95	10%~90%	+50°C~-35°C	50,000h



TXFL08



Technical Data

Max Power	360W
LED driver	MEANWELL/PHILIPS/ORDINARY BRAND
LED chip	BRIDGELUX/EPRISTAR/CREE/PHILIPS
Material	die-casting aluminum
Light Luminous Efficiency	120 lm/w
Uniformity	>0.8
LED Luminous Efficiency	>90%
Color temperature	3000-6500K
Color Rendering index	Ra>80
Input Voltage	AC100-305V
Power Factor	>0.95
Working environment	-60°C~70°C
IP rating	IP65
Working life	>50000hours
Warranty	5years
Install height of pole	3-15meter

	CRI	PF			
AC100-305V	>80	>0.95	10%~90%	+50°C~-35°C	50,000h



TXFL10



Technical Data

Max Power	1000W
LED driver	MEANWELL/PHILIPS/ORDINARY BRAND
LED chip	LUMILEDS/BRIDGELUX/EPRISTAR/CREE
Material	die-casting aluminum
Lumen	>110lm/W
Uniformity	>0.8
LED Luminous Efficiency	>90%
Color temperature	3000-6500K
Color Rendering index	Ra>80
Input Voltage	AC100-305V
Power Factor	>0.95
Working environment	-60°C~70°C
IP rating	IP65
Working life	>50000hours

SOLAR LED FLOOD LIGHTING



Technical Data

Model	TXSFL-25W	TXSFL-40W	TXSFL-60W	TXSFL-100W
Application Place	Highway/Community/Villa/Square/Park and etc.			
Power	25W	40W	60W	100W
Luminous Flux	2500LM	4000LM	6000LM	10000LM
Light Effect	100LM/W			
Charging Time	4-5H			
Lighting Time	Full power can be illuminated for more than 24 hours			
Lighting area	50m²	80m²	160m²	180m²
Sensing Range	180° 5-8 meters			
Solar Panel	6V/10W POLY	6V/15W POLY	6V/25W POLY	6V/25W POLY
Battery Capacity	3.2V/6500mA lithium iron phosphate battery	3.2V/13000mA lithium iron phosphate battery	3.2V/26000mA lithium iron phosphate battery	3.2V/32500mA lithium iron phosphate battery
Chip	SMD5730 40PCS	SMD5730 80PCS	SMD5730 121PCS	SMD5730 180PCS
Color Temperature	3000-6500K			
Material	Die-cast aluminum			
Beam angle	120°			
Waterproof	I66			
Product Features	Infrared remote control board + light control			
Color rendering index	>80			
Operating temperature	-20 to 50 °C			

WALL WASH LIGHT

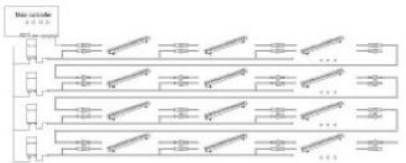


TX-W38-W12
TX-W38-W18
TX-W38-W24
TX-W38-W36

Drawing of the single color project



Drawing of RGB project



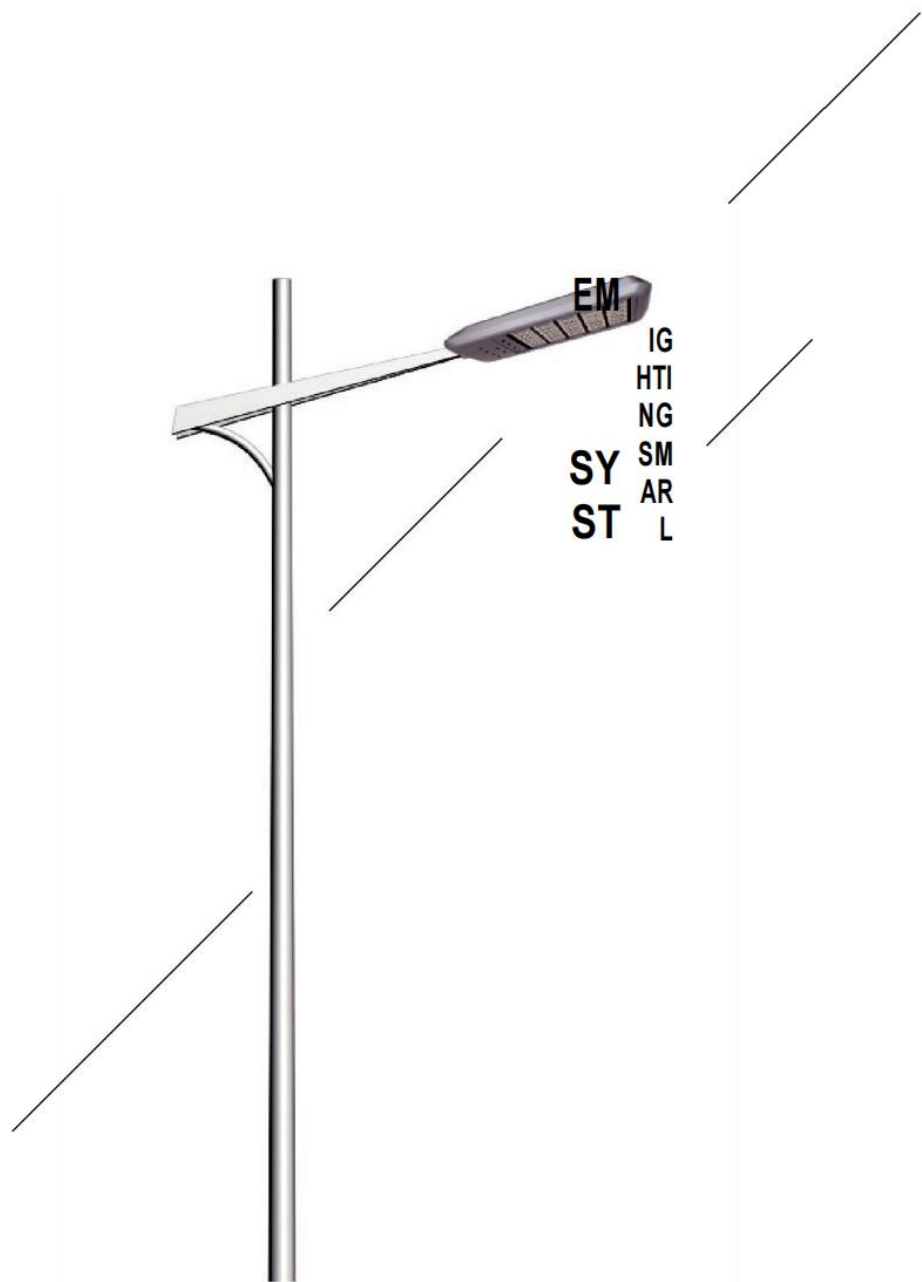
Features:

- Comb-like convection design ensure better heat dissipation
- Low thermal resistance path design
- Unique waterproof and ventilation
- Dedicated optical PMM lens, more uniform outdoor lighting and electrostatics discharge(ESD) protection design
- Projection distance: 3-5m

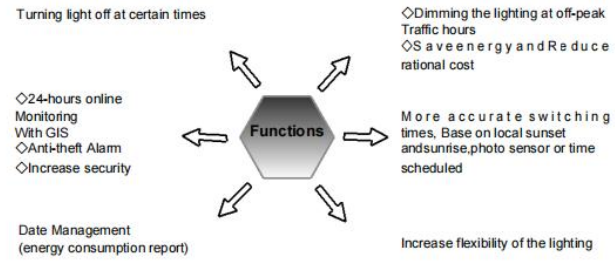
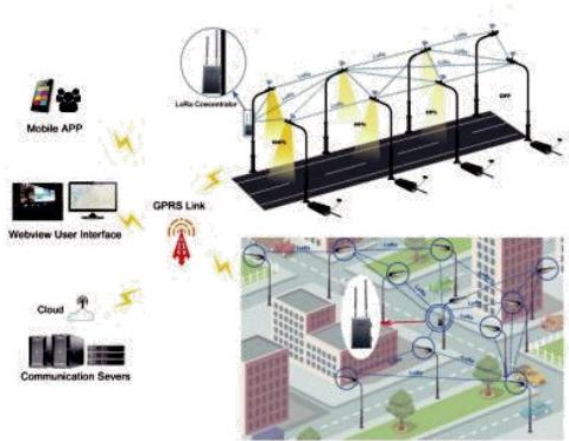


Specification:

Color range	3000K(4000K or 6000K available)
Light source	1W High Power LEDs (Cree 3535 XTE)
Material	High Strength Aluminum housing+tempered glass
N.Weight	1.95KG
Working temperature	-20℃to 50℃
Storage temperature	-40℃to70℃
Protection rating	IP66
Working voltage	DC24V
Max power	12W/18W/24W/36W
Beam angle	10°65°、30°、45°、60°and other beam angle available
Light Intensity	1020LM/1530LM/2040LM/3060LM
Source life	50,000hours



SMART CITY



- Reduce energy use by up to 40%;
- Reduce maintenance by up to 50%;
- Increase bulb life by up to 25%;
- Powerful software with GPS mapping;
- Payback period as low as 2 tears!
- High efficient management
- Safety requirement

SMART CITY SYSTEM



Product features

- Networked control access to the Internet, to achieve the global lighting, relaxed and efficient management of lighting power supply working status and data record and achieve on-demand, high efficiency and energy saving, energy saving 30% more than the original lighting products.
- Intelligent "d light" design, power system under partial failure, smart power "eternal light" design.
- N+M hot backup power supply module function, support hot plug, maintenance more convenient.
- Adopt the C level input, D output lighting surge protection system, more safe and reliable.
- Dc power line carrier technology patents, without changing the original circuit.

SMART LIGHTING



SENSOR

- Monitoring environment
- PM2.5
- Temperature and humidity sensor
- Dimming
- CCTV



Cameras and Surveillance

- Security monitoring
- Vehicle monitoring



SOS

- Contact with Supervising Center
- Contact with Police station



LIGHTING

- 0-10V Dimming
- Module type easy install and maintenance



WIFI



Information Distribution System

- Security monitoring
- Vehicle monitoring



Charging facilities

- Electric cars
- Electric bike



