



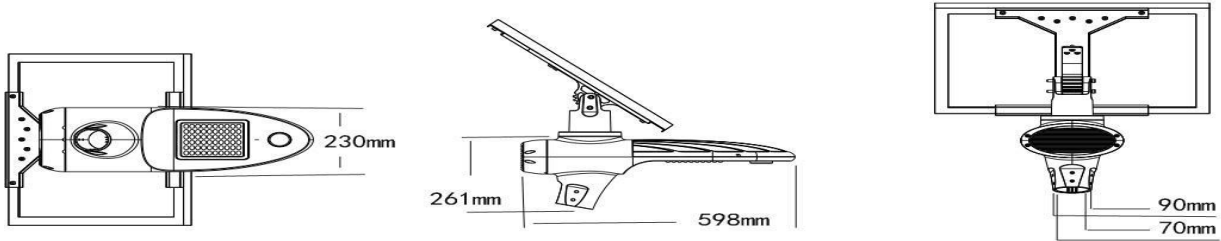
**Product description:**

Second-generation integrated solar street lamp uses imported high-efficiency **bifacial monocrystalline photovoltaic panels**, smart MPPT controller, deep cycle lithium battery, high-efficiency led chip, all in one box Integrated design, Easy to install and use, have Microwave induction and RGB flashlight design, multi-function lighting

**Features:**

1. Professional design team develop, put solar panel, led chip, controller, battery, human induction in one box;
2. High-end design appearance, atmosphere, the whole lamp adopts high-pressure die-cast aluminum alloy, Impact resistance, High temperature resistance, Surface imitation marble painting process, corrosion resistance
3. Solar panels can be adjusted 360 degrees to suit various environments
4. Intelligent sensor technology, microwave radar sensor, according to the moving object to adjust the brightness of the lamp , more energy-saving, humane
5. Intelligent power adjustment, automatic judgment of weather, rational planning of discharge rules
6. Smart remote control, With UVA(unmanned aerial vehicle) remote control,remote control long distance, bring high corrosion resistance,Four lighting modes can be set
7. Intelligent charge and discharge management,Charge-discharge dual protection and intelligent equalization technology , Cycle times more than 2000 times
8. LED chip max can reach 210LM/W, more than double the average brightness of an ordinary LED light source,140 degree view angle,bring same lighting results with shotor pole.

9. Multi-function lighting modes, tail RGB flashlight design, flashing in multiple colors.
10. The whole lamp plastic part adopts outdoor PC material fire rating, anti-UV, high temperature resistance, antioxidant.
11. The whole light waterproof level can reach IP67 actually, can work directly in water for a short time.
12. Ultra-human light design, easy to disassemble, install and transport.



**Technical Parameters:**

Model	N-40	N-50	N-60	N-80	N-100	N-120
Lumen	4000LM	5000LM	6000LM	8000LM	10000LM	12000LM
Color temperature	3000K 4000K 5000K 6000K 7000K					
Material	High-end aluminum alloy + outdoor fire-rated PC					
Battery	Lithium battery 11.1V (24AH-63AH)					
Solar panel	bifacial monocrystalline photovoltaic panels 18V (50W-160W)					
LED	Bridgelux 3030			Bridgelux 5050		
Waterproof IP grade	IP67					
Discharge time	Lighting 12 hours/day, support 10 rainy and cloudy days (with motion sensor)					
Charging time	4-5 hours (bright sunshine)					
Installation diameter	Φ 60-65mm (suggest)					
Product size	598*230*261mm					
Product weight	11kg-15kg					
Working temperature	-25°C — +65°C					
Certificate	CE ROHS IP65					
Warranty	3 or 5 years					
Remote control	yes					
Color rendering index	Ra ≥ 80					
Inductive head	LED Indicator status			Function		
	Red (blinking)			Charging		
	Red (bright)			full charge		
	Blue (off)			out of battery		
	Green (bright)			normal work		

**working principle:**

When there is radiation, **bifacial photovoltaic modules use solar radiation from both sides to generate electricity energy**,Using intelligent controller to charge battery input power, at the same time overcharge the battery 、 over-discharge protection,Intelligent control of lighting and illumination of lighting sources,no manual operation。

**easy dis-assembly and assembly:**

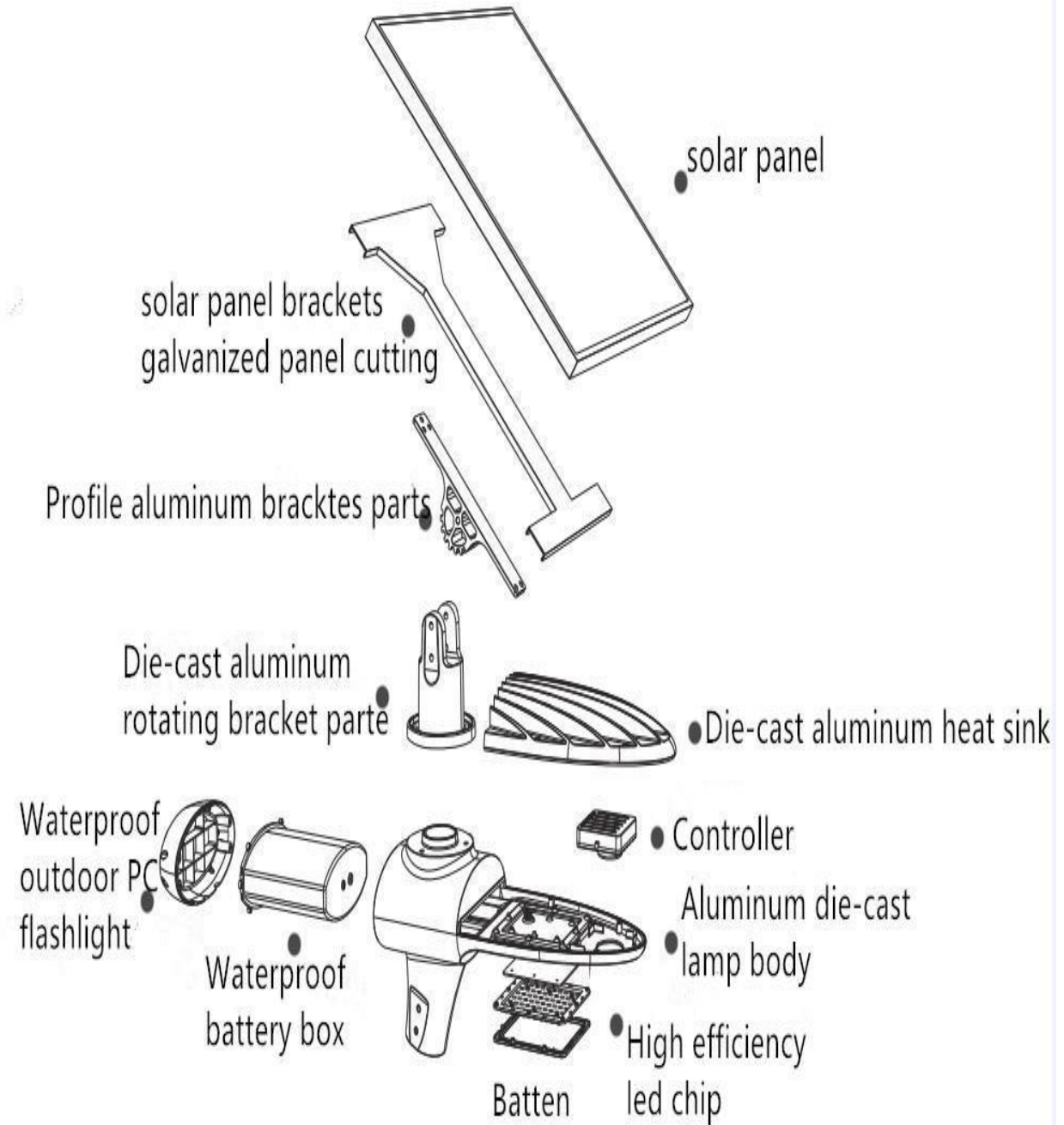
Second generation integrated solar street light,Light body without glue , the battery with a special waterproof box fixed,the internal structure of the lamp is concise and reliable。 Compared with other non-removable replacement products in the market, each component is easy to maintain and replace, cost effective.All wire rods use waterproof male and female mating connectors which are labeled,anti-error function.Designing intentions,embodies the rigorous and humane lighting custom spirit.

**Bifacial Solar Panel Advantages**

**Bifacial monocrystalline photovoltaic panels capture sunlight from both the front and back, increasing energy generation, especially when installed in locations with reflective surfaces or areas with diffuse light.**



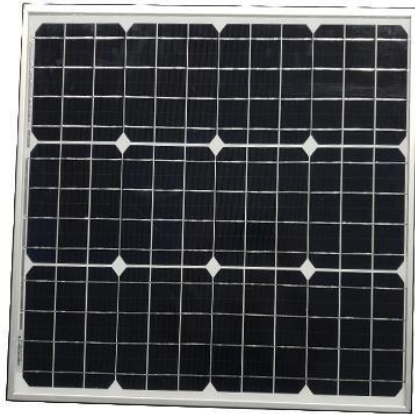
Product component exploded view



**High efficiency monocrystalline silicon solar panel:**

Solar panels can be adjusted 360 degrees for optimal exposure, **ensuring both sides of the bifacial panel receive sunlight for maximum efficiency**:Make up for the inconvenience that traditional integrated solar street lights cannot rotate solar panels at multiple angles,Application to different latitudes and differently oriented roads,adapt to more complex installation environments

Material: High efficiency monocrystalline silicon solar panel, High-efficiency monocrystalline silicon solar panels are widely used in space stations and satellites, Its conversion rate is 20%-30% higher than polysilicon solar panels, max can reach 20%,charging speed is faster.

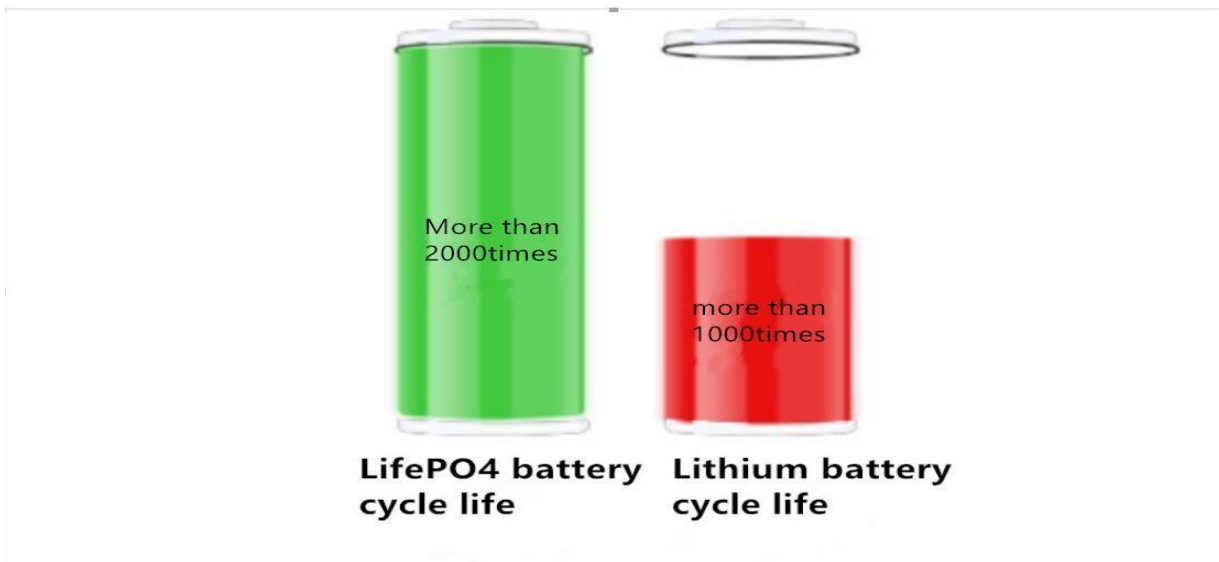


**Lithium battery:**

Second generation solar street light lithium battery adopts A1 high-efficiency ternary lithium battery and A1 grade lithium iron phosphate battery, high temperature resistance, high current discharge, lithium battery cycle up to more than 1000 times,LifePO4 battery cycles up to 2000 times。

**Double protection**

1. Dual temperature control system, Intelligent controller and lithium battery have temperature control system inside, When the ambient temperature reaches the set limit temperature (60 ° C), Intelligent controller and lithium battery at the same time power off, to protection lithium battery safety。
2. Each explosion cell of the lithium battery pack is equipped with explosion-proof valve, to prevent the battery from discovering an explosion and placing potential threats out of the way.



**Intelligent microwave induction:**

The second generation of integrated solar street lights equipped with the latest microwave induction technology。Solved the technical problem that traditional microwave induction is easily disturbed,Sensing distance up to 30 meters , Two to three times that of traditional infrared sensors,Guarantee the effective lighting of street lamps,environmental and energy saving.



**RGB flashlight design:**

The second generation of integrated solar street lights with RGB flashlight design, 6 colors switch by turns, adjustable blinking speed,off at will,added different colors to the night road.



### Multi-color selection and breakthrough process:

Second-generation integrated solar street lamp makes breakthrough progress in surface technology, Both standard and black surfaces are imitation marble painted, silver anodized surface, solved the problem of the single color of traditional integrated solar street lamps, make the overall corrosion resistance of the lamp better, can installation on the seaside and any other bad weather place, waterproof IP grade reach up IP67, enjoying better vision with the elegant appearance.



### Remote control instructions:

13. UAV remote control solution, control distance up to 30 meters, bring high corrosion resistance, Four lighting modes can be set, according to the pattern of the season sunshine.



### User manual for remote controller:

**DEMO:** No matter day or night, light "on" for 1 minute. Only for test use.

**OFF:** No matter day or night, light "OFF".

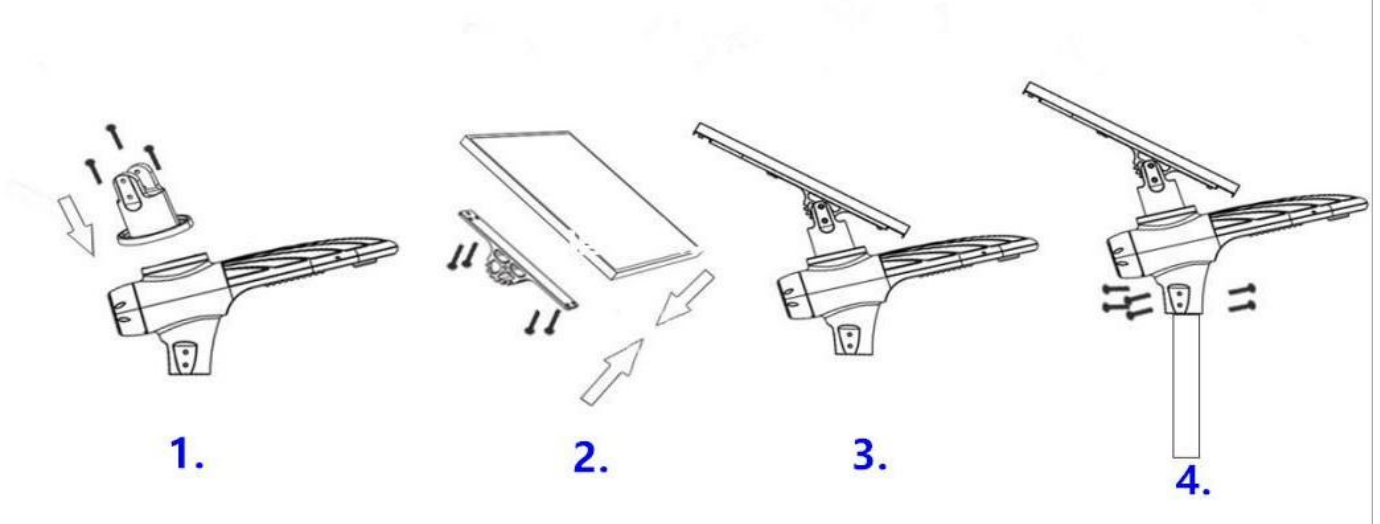
**L:** At night, 12hrs full power.

**T:** At night, 4hrs full power+8hrs 30%.

**M:** At night, 12hrs motion sensor control.

**U:** At night, 4hrs full power+8hrs motion sensor control.

Installation diagram:



1. Determine the direction of the rotating fastener, tighten the screws;
2. Secure solar panels and brackets with screws;
3. Use 2 longer screws to adjust the angle fixed;
4. Mount the lamp into the pole and tighten the screw.

**Precautions :**

1. When installing solar panels can adjust the optimal light acceptance angle according to the situation in the area .installing the components, try to handle them gently. Do not collide or knock them to avoid damage.
2. Choose an unobstructed place to install the solar panel,dust must be cleaned regularly.
3. All the screws used to install the lamp must be fastened and on the locknut, should be no loosening.。
4. Because the lighting time and power are set according to the factory specifications, if lighting time needs to be adjusted, must be notified before place and order.
5. When repairing or replacing light source, lithium battery, controller; model, power, must be the same as the original configuration,we don't suggest replace the light source with different power models,lithium battery box , controller or casual non-professionals to replace and adjust lighting time parameters.
6. Replacing internal components, wiring must be strictly in accordance with the corresponding wiring diagram.the positive and negative poles are clearly separated and reversed.。

**Application:**

Widely used in branch roads, streets, and factory roads, parks, villages, mountainous areas and remote areas lighting projects, courtyards, schools, squares and other places that need outdoor lighting, help the domestic traditional lighting





upgrade to LED green new energy lighting.





# QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 11424Q47089R3M

This is to certify that the Quality Management System of

## **YANGZHOU XINTONG TRAFFIC EQUIPMENT GROUP CO., LTD.**

Unified Social Credit Code: 91321084731752249G

Registered Address: Guoji Industrial Cluster Zone, Songqiao Town, Gaoyou City

Production/Office Address: Guoji Industrial Cluster Zone, Songqiao Town, Gaoyou City, Yangzhou City, Jiangsu Province, China

Has been audited to conform to the following Quality  
Management System standard

### **GB/T19001-2016/ISO9001:2015**

The Applicable Scope

The production of outdoor lighting fixtures over 2.5 meters high, high pole lights, steel lighting poles and traffic equipment (traffic guardrails, road traffic signs, road traffic signal lights, road traffic signal controllers, mobile LED road traffic information display screens and road traffic signal countdown displays), the integration of computer information system (including the development of application software), the design, construction and maintenance of security projects

Date of initial issuance: Aug. 11, 2015

Date of issuance: Jul. 12, 2024

Date of expiry: Aug. 08, 2027

Issued by: *Wu Fongyu*

Beijing East Allreach Certification Center Co., Ltd.



中国认可  
国际互认  
管理体系  
MANAGEMENT SYSTEM  
CNAS C114-M

The certificate will remain valid only if the certified organization accepts surveillance audit at regular intervals and is audited to be qualified. The information of this certificate is available at EACC website ([www.eacc.com.cn](http://www.eacc.com.cn)) and CNCA's official website ([www.cnca.gov.cn](http://www.cnca.gov.cn)), and it's also available by scanning the QR Code in the lower right corner.

Address: 1st Floor, No. 121 Building, No. 17, Jingshengnansi Street, Jinqiao Science & Technology Industrial Base, Tongzhou Park of Zhongguancun Science & Technology Zone, Tongzhou District, Beijing 101102



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# ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 11422E44090R2M

This is to certify that the Environmental Management System of

## **YANGZHOU XINTONG TRAFFIC EQUIPMENT GROUP CO., LTD.**

Unified Social Credit Code: 91321084731752249G

Registered Address: Guoji Industrial Cluster Zone, Songqiao Town, Gaoyou City

Production/Office Address: Guoji Industrial Cluster Zone, Songqiao Town, Gaoyou City, Yangzhou City, Jiangsu Province, China

Has been audited to conform to the following Environmental Management System standard

### GB/T24001-2016/ISO14001:2015

The Applicable Scope

The production of outdoor lighting fixtures over 2.5 meters high, high pole lights, steel lighting poles and traffic equipment (traffic guardrails, road traffic signs, road traffic signal lights, road traffic signal controllers, mobile LED road traffic information display screens and road traffic signal countdown displays), the integration of computer information system (including the development of application software), the design, construction and maintenance of security projects and related environmental management activities of involved sites

Date of initial issuance: Jul. 29, 2016

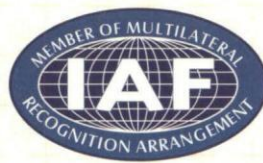
Date of issuance: Jul. 05, 2022

Date of renewal: Jul. 12, 2024

Date of expiry: Jul. 27, 2025

Issued by: *Wu Fongnu*

Beijing East Allreach Certification Center Co., Ltd.



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MANAGEMENT SYSTEM  
CNAS C114-M

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# OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 11422S24091R3M

This is to certify that the Occupational Health and Safety Management System of

## **YANGZHOU XINTONG TRAFFIC EQUIPMENT GROUP CO., LTD.**

Unified Social Credit Code: 91321084731752249G

Registered Address: Guoji Industrial Cluster Zone, Songqiao Town, Gaoyou City

Production/Office Address: Guoji Industrial Cluster Zone, Songqiao Town, Gaoyou City, Yangzhou City, Jiangsu Province, China

Has been audited to conform to the following Occupational Health and Safety  
Management System standard

### GB/T 45001-2020/ISO 45001:2018

The Applicable Scope

The production of outdoor lighting fixtures over 2.5 meters high, high pole lights, steel lighting poles and traffic equipment (traffic guardrails, road traffic signs, road traffic signal lights, road traffic signal controllers, mobile LED road traffic information display screens and road traffic signal countdown displays), the integration of computer information system (including the development of application software), the design, construction and maintenance of security projects and related occupational health and safety management activities of involved sites

Date of initial issuance: Sep. 12, 2013

Date of issuance: Jul. 05, 2022

Date of renewal: Jul. 12, 2024

Date of expiry: Aug. 22, 2025



Issued by: *Wu Fengru*

Beijing East Allreach Certification Center Co., Ltd.



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CNAS C114-M

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# LOW VOLTAGE DIRECTIVE, ELECTROMAGNETIC COMPATIBILITY DIRECTIVE ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2014/30/EU Electromagnetic Compatibility Directive and 2014/ 35/EU Low Voltage Directive has been taken as referances for these processes.

Company Name : Yangzhou Xintong Transport Equipment Group Co., Ltd.

Company Address : Guoji Industrial Concentration Zone, Songqiao Town, Gaoyou City, Yangzhou City, Jiangsu Province, China

Related Directives and Annex : 2014/35/EU Low Voltage Directive /Annex III  
2014/30/EU Electromagnetic Compatibility Directive /Annex II

Related Standards : EN IEC 60598-1:2021, EN IEC 55015:2019/A11:2020  
EN IEC 61547:2023, EN IEC 61000-3-2:2019+A1:2021  
EN IEC 61000-3-2:2019

Product Name : Solar Street Light

Report No and Date : TCF-XT0823LD

Product Brand/Model/Type : XT-YTH-1,XT-YTH-2,XT-ETH-1,XT-DT-1,XT-YTH-1-20-30W,XT-YTH-7-90W

Certificate Number : M.2024.206.C105884

Initial Assessment Date : 27.08.2024

Registration Date : 28.08.2024

Reissue Date/No : -

Expiry Date : 27.08.2029

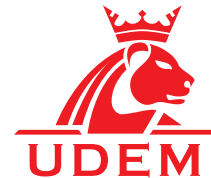
UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc. Co.  
General Manager

The validity of the certificate can be checked trough [www.udem.com.tr](http://www.udem.com.tr). Upon completion of EC declaration of conformity, it is used solely at the manufacturer's responsibility. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s).

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Phone: +90 0312 443 03 90

E-mail: [info@udem.com.tr](mailto:info@udem.com.tr) [www.udem.com.tr](http://www.udem.com.tr)





# TECHNICAL INSPECTION ATTESTATION OF CONFORMITY

The Company mentioned below has been audited by the Notified Body UDEM,  
According to relevant standard given below.

Company Name : Yangzhou Xintong Transport Equipment Group Co., Ltd.

Company Address : Guoji Industrial Concentration Zone, Songqiao Town, Gaoyou City, Yangzhou City, Jiangsu Province, China

Related Standards : EN 40-4:2005/AC:2006, EN 40-5:2002, EN 40-6:2002, EN 40-7:2002

Product Name : Street light pole

Report No and Date : TCF-XT0823DG

Product Brand/Model/Type : XT-LED-01,XT-LED-02,XT-LED-03,XT-LED-04,XT-LED-10,XT-LED-11, XT-HIGH-01,XT-SOLAR-01,XT-SP-051

Certificate Number : M.2024.206.C105885

Initial Assessment Date : 27.08.2024

Registration Date : 28.08.2024

Reissue Date/No : -

Expiry Date : 27.08.2029

UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc. Co.  
General Manager

The validity of the certificate can be checked through [www.udem.com.tr](http://www.udem.com.tr). Upon completion of EC declaration of conformity, it is used solely at the manufacturer's responsibility. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s).



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E-mail: [info@udem.com.tr](mailto:info@udem.com.tr) [www.udem.com.tr](http://www.udem.com.tr)

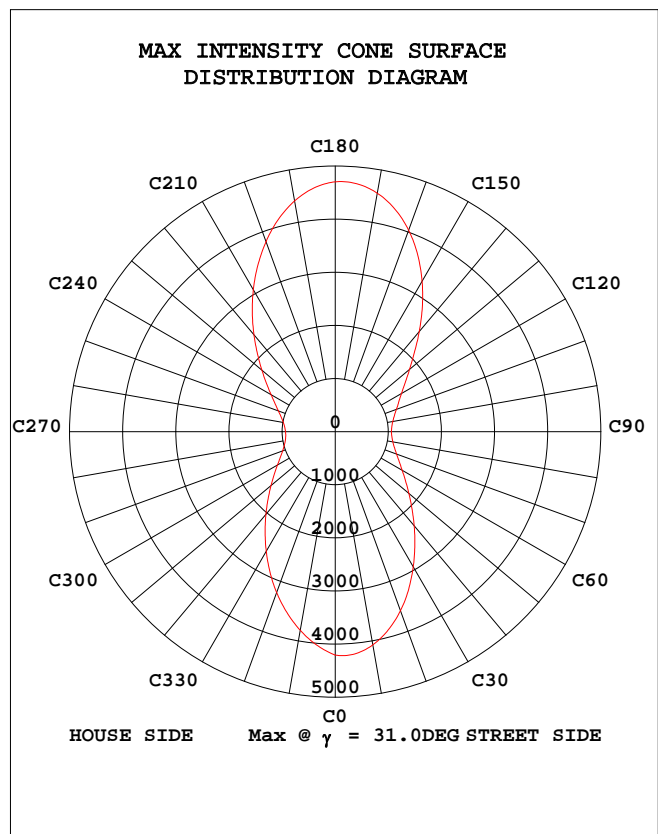
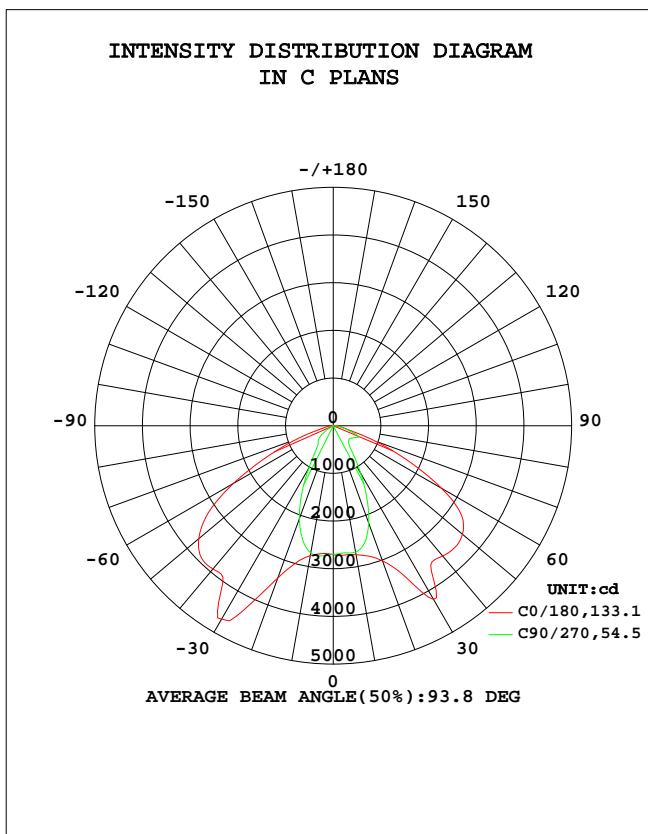
UDFRM.320/01-14.08.2024/03.01.2024



**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:6434.06x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	Light Source:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.:YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP	CO., LTD. SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	JKC-6000LM	I <sub>max</sub> (cd)	4705	η street_up(%)	0.1
NOMINAL POWER(W)	40	LOR(%)	100.0	η street_down(%)	51.4
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	6434	η house_up(%)	0.1
NOMINAL FLUX(lm)	6434.06	MAXIMUM @(C,γ )	180,31.0	η house_down(%)	48.4
LAMPS INSIDE	1	η up(%)	0.2	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	12	η down(%)	99.8	SLI	18.315



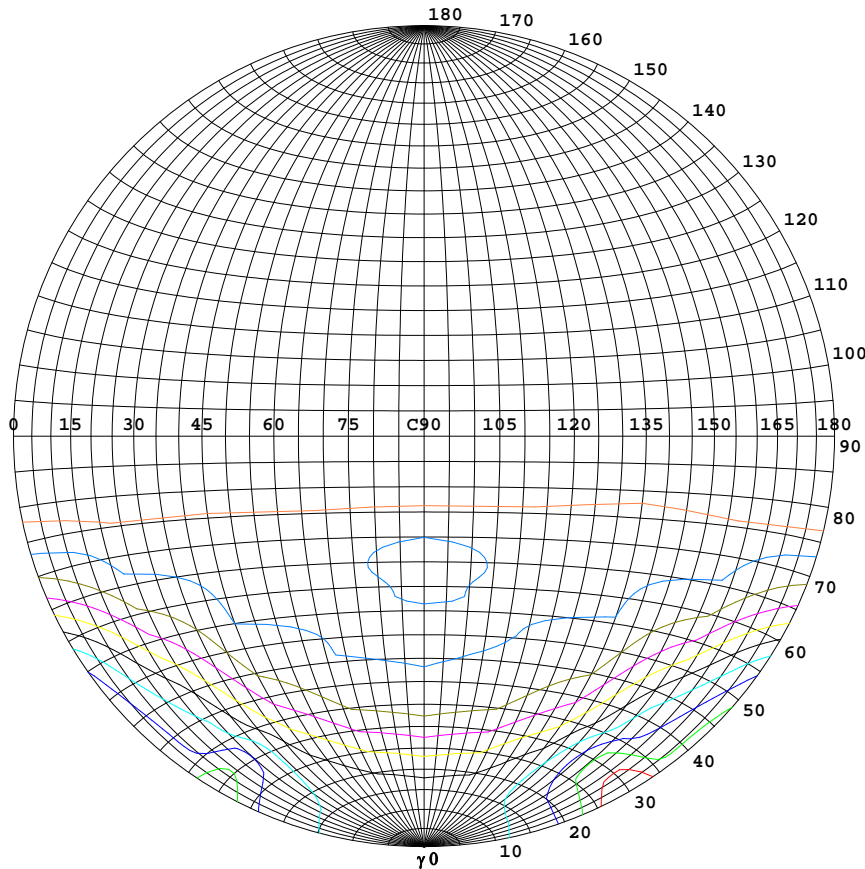
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:William  
 Test Date:2017-12-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.4470]  
 Remarks:



**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:6434.06x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO., LTD. SUR.:		Shielding Angle:N/A



**Classification:**

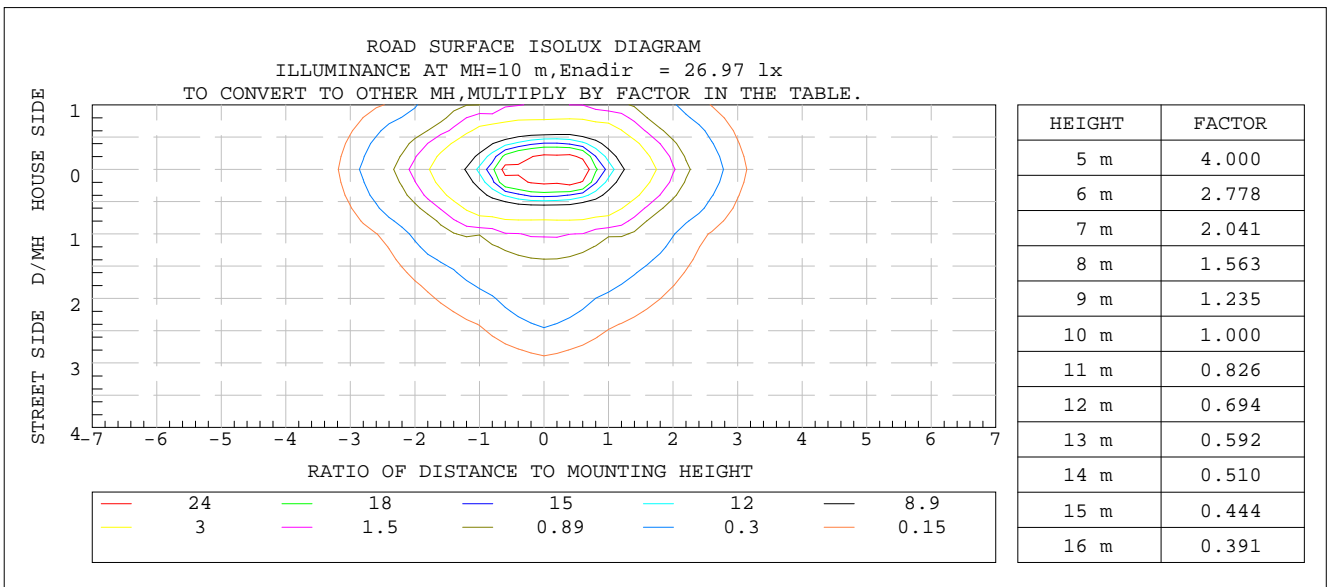
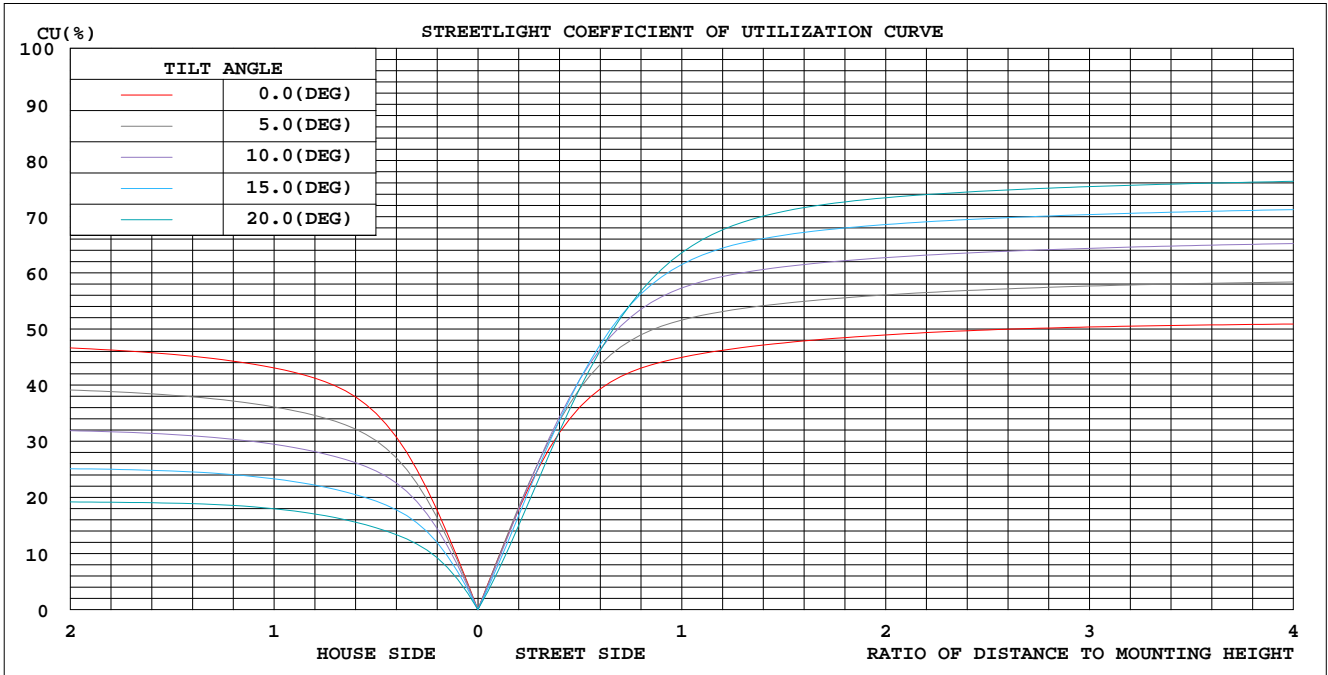
IES:Type I - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:29.33cd/klm  
 Max.At90:6.765cd/klm  
 Max.80-90:29.33cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4705
90%	4234
80%	3764
70%	3293
60%	2823
50%	2352
40%	1882
30%	1411
20%	941
10%	470
5%	235

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:William  
 Test Date:2017-12-27

gamma Range: 0 - 180DEG  
 gamma Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.4470]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.5DEG  
Operators: William  
Test Date: 2017-12-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
Humidity: 65.7%  
Test Distance: 26.000m [K=1.4470]  
Remarks:

**ZONAL FLUX DIAGRAM**

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:6434.06x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO., LTD. SUR.:		Shielding Angle:N/A

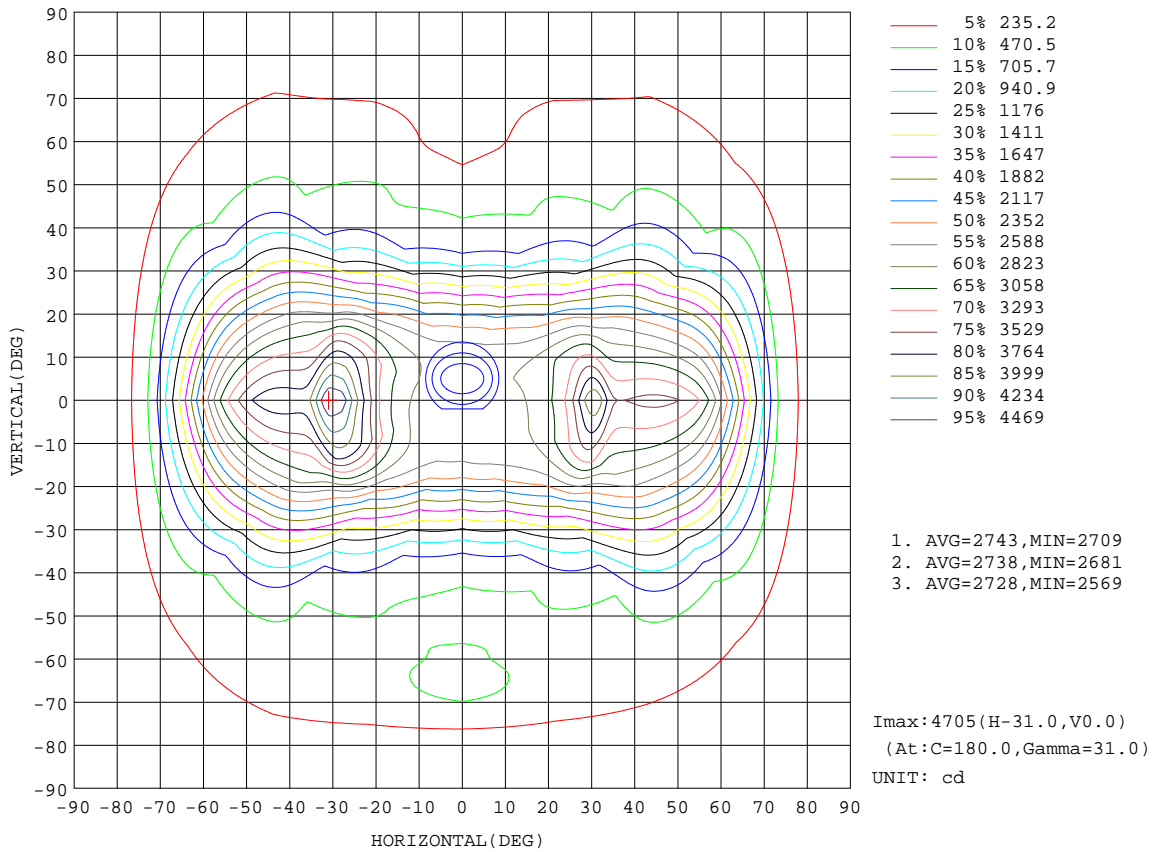
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	2747	2739	2689	2706	2767	2793	2712	2775	0- 10	260.0	260.0	4.04,4.04
20	3015	2656	2176	2756	3393	2741	2083	2518	10- 20	770.8	1031	16,16
30	4206	2121	1154	2201	4683	2157	1031	1871	20- 30	1190	2221	34.5,34.5
40	3567	1282	514.8	1308	3922	1291	495.4	1051	30- 40	1252	3473	54,54
50	3539	604.6	438.6	618.3	3683	616.3	360.6	532.1	40- 50	1133	4605	71.6,71.6
60	2620	408.2	501.1	436.9	2415	443.9	68.33	416.2	50- 60	915.8	5521	85.8,85.8
70	918.8	318.3	466.5	354.7	790.4	353.9	6.754	334.1	60- 70	562.9	6084	94.6,94.6
80	177.8	160.0	151.6	188.7	155.4	159.6	0	154.5	70- 80	254.6	6339	98.5,98.5
90	29.07	33.45	43.52	25.58	27.89	23.37	0	20.14	80- 90	80.69	6419	99.8,99.8
100	1.032	3.270	2.306	3.345	1.514	0.0798	0.1605	0.1593	90-100	3.946	6423	99.8,99.8
110	1.032	1.912	0.0018	1.834	2.546	0.1612	0.2384	0.3192	100-110	1.191	6424	99.8,99.8
120	1.430	1.755	0	1.832	3.733	0.7176	0.2384	0.6377	110-120	1.105	6425	99.9,99.9
130	3.890	1.755	0	1.752	4.130	0.9580	0.2384	0.9577	120-130	1.286	6427	99.9,99.9
140	5.871	2.469	0.3175	1.752	4.130	1.836	0.8742	1.674	130-140	1.499	6428	99.9,99.9
150	6.433	4.304	2.454	3.341	4.291	3.351	2.308	3.113	140-150	1.883	6430	99.9,99.9
160	6.279	5.184	4.129	4.376	4.765	4.546	4.133	4.382	150-160	1.966	6432	100,100
170	6.433	6.218	5.399	5.177	5.085	5.268	5.247	5.336	160-170	1.437	6434	100,100
180	6.513	6.460	5.563	5.495	5.480	6.460	5.722	5.336	170-180	0.5402	6434	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:William  
 Test Date:2017-12-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.4470]  
 Remarks:

**ISOCANDELA DIAGRAM**

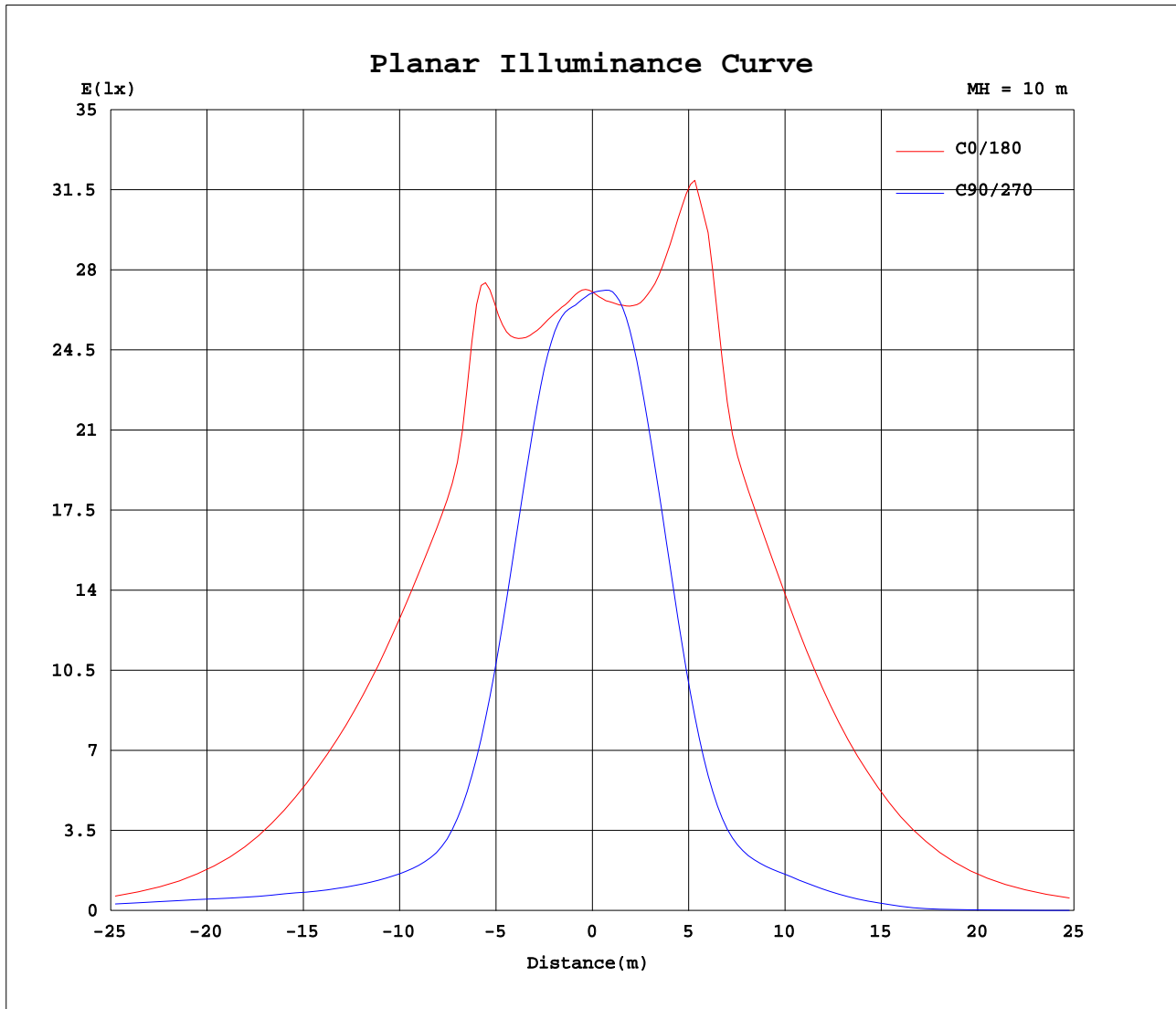
Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:6434.06x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO., LTD. SUR.:		Shielding Angle:N/A



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: William  
 Test Date: 2017-12-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity: 65.7%  
 Test Distance: 26.000m [K=1.4470]  
 Remarks:

Planar Illuminance Curve



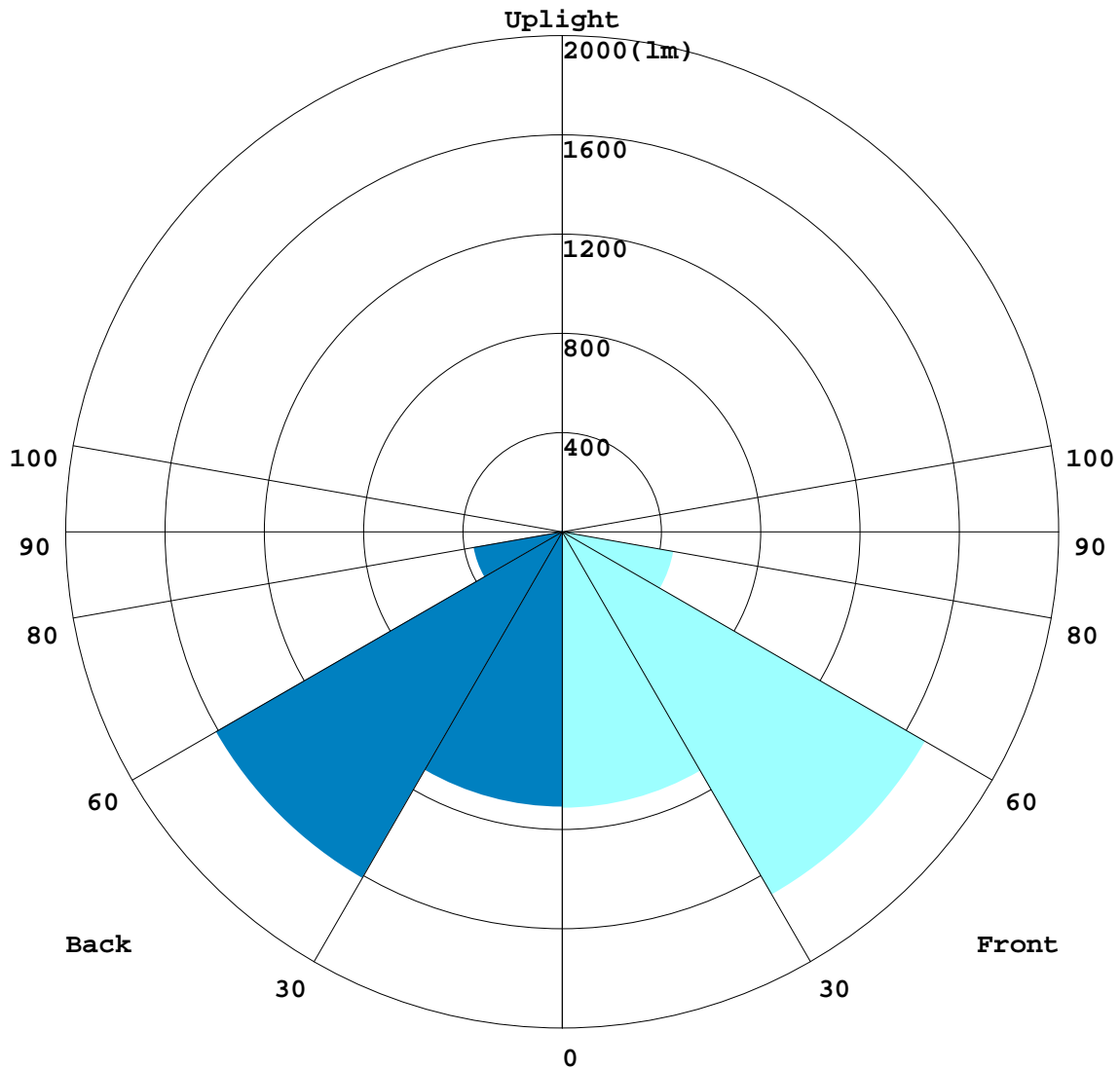
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: William  
 Test Date: 2017-12-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity: 65.7%  
 Test Distance: 26.000m [K=1.4470]  
 Remarks:

LCS REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:6434.06x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO., LTD. SUR.:		Shielding Angle:N/A

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:William  
 Test Date:2017-12-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.4470]  
 Remarks:

BUG REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:6434.06x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO., LTD.	SUR.:	Shielding Angle:N/A

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1112.6	17.3
FM - Front-Medium(30-60)	1689.1	26.3
FH - Front-High(60-80)	455.12	7.1
FVH - Front-Very High(80-90)	50.185	0.8
Total Forward Light	3316	51.5

BL - Back-Low(0-30)	1108.1	17.2
BM - Back-Medium(30-60)	1611.2	25.0
BH - Back-High(60-80)	362.37	5.6
BVH - Back-Very High(80-90)	30.506	0.5
Total Back Light	3118	48.5

UL - Uplight-Low(90-100)	3.946	0.1
UH - Uplight-High(100-180)	10.905	0.2
Total Up Light	14.851	0.2

BUG(Back,Up,Glare) Rating	B3-U2-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3112.2	5.8507	3118
Street Side	3307	9.0006	3316

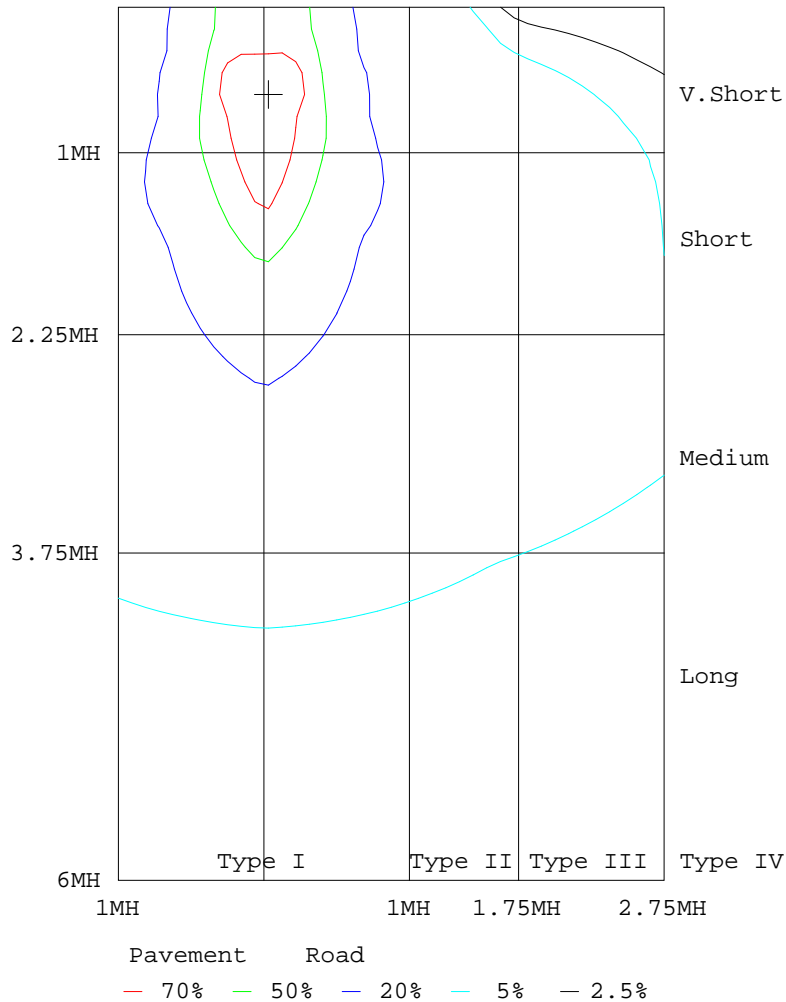
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:William  
 Test Date:2017-12-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.4470]  
 Remarks:

**ROAD ISOCANDELA REPORT**

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:6434.06x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	Light:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO., LTD. SUR.:		Shielding Angle:N/A

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:William  
 Test Date:2017-12-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.4470]  
 Remarks:



**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:6434.06x1 lm		
NAME: Integrated Solar Light (All In One Solar Light)	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO., LTD. SUR.:		Shielding Angle:N/A

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	2704	2707	2715	2708	2700	2696	2705	2699	2704	2707	2715	2708	2700	2696	2705	2699			
5	2723	2726	2722	2702	2677	2660	2668	2676	2692	2715	2739	2740	2742	2743	2747	2731			
10	2747	2736	2739	2719	2689	2689	2706	2730	2767	2798	2793	2744	2712	2725	2775	2784			
15	2829	2794	2743	2629	2545	2596	2765	2910	2965	2977	2808	2568	2480	2526	2694	2858			
20	3015	2917	2656	2325	2176	2305	2756	3288	3393	3271	2741	2237	2083	2169	2518	2973			
25	3440	3153	2462	1883	1675	1857	2596	3723	4138	3570	2545	1795	1560	1703	2240	3090			
30	4206	3429	2121	1375	1154	1371	2201	3902	4683	3663	2157	1291	1031	1194	1871	3105			
35	3566	3068	1702	915	733	919	1748	3352	4043	3193	1726	846	648	775	1453	2766			
40	3567	2777	1282	603	515	617	1308	2965	3922	2861	1291	584	495	546	1051	2496			
45	3610	2486	899	483	455	498	915	2575	3913	2499	897	490	449	471	727	2150			
50	3539	2068	605	457	439	472	618	2044	3683	2005	616	473	361	458	532	1693			
55	3287	1552	469	434	452	455	486	1442	3212	1437	495	455	223	433	456	1186			
60	2620	1028	408	408	501	430	437	900	2415	907	444	429	68.3	401	416	742			
65	1719	594	367	374	581	396	401	516	1514	531	407	377	31.1	362	383	451			
70	919	355	318	317	466	337	355	346	790	358	354	259	6.75	262	334	321			
75	330	246	248	243	272	256	282	253	295	256	266	120	0.00	123	252	236			
80	178	156	160	164	152	171	189	161	155	164	160	46.8	0.00	42.2	154	149			
85	94.8	78.8	81.6	85.6	105	87.7	90.4	83.7	90.1	84.3	67.9	16.1	0.00	13.6	63.1	74.2			
90	29.1	30.9	33.4	28.0	43.5	23.4	25.6	26.7	27.9	34.2	23.4	3.14	0.00	1.61	20.1	28.1			
95	1.19	2.63	4.23	4.06	3.98	3.75	3.83	2.48	1.19	0.32	0.00	0.00	0.00	0.00	0.08	0.32			
100	1.03	1.99	3.27	1.68	2.31	1.75	3.35	2.00	1.51	0.40	0.08	0.08	0.16	0.08	0.16	0.40			
105	1.03	1.84	2.32	1.20	1.52	1.67	2.23	1.84	2.06	0.72	0.16	0.16	0.24	0.32	0.24	0.72			
110	1.03	1.28	1.91	1.20	0.00	1.36	1.83	1.20	2.55	1.04	0.16	0.24	0.24	0.24	0.32	1.04			
115	1.11	1.19	1.75	1.35	0.00	1.35	1.83	1.12	3.42	1.59	0.40	0.24	0.24	0.24	0.56	1.52			
120	1.43	1.19	1.75	1.28	0.00	0.88	1.83	1.28	3.73	2.31	0.72	0.24	0.24	0.24	0.64	2.16			
125	2.61	1.91	1.75	0.80	0.00	0.40	1.76	2.15	3.90	2.71	0.72	0.24	0.24	0.24	0.80	2.48			
130	3.89	2.71	1.75	0.64	0.00	0.32	1.75	2.55	4.13	2.95	0.96	0.32	0.24	0.32	0.96	2.87			
135	4.60	3.74	1.75	0.64	0.08	0.32	1.75	3.03	4.13	3.03	1.36	0.64	0.48	0.56	1.35	3.43			
140	5.87	4.92	2.47	0.87	0.32	0.48	1.75	3.75	4.13	3.35	1.84	1.20	0.87	1.04	1.67	3.75			
145	6.43	5.57	3.35	1.75	1.35	1.51	2.47	3.99	4.13	3.82	2.48	1.84	1.36	1.59	2.31	3.99			
150	6.43	5.89	4.30	2.95	2.45	2.47	3.34	4.15	4.29	4.14	3.35	2.95	2.31	2.47	3.11	4.39			
155	6.43	6.05	5.18	3.90	3.26	3.42	4.06	4.47	4.61	4.54	4.15	3.83	3.11	3.27	3.67	4.87			
160	6.28	6.05	5.18	4.85	4.13	3.98	4.38	4.63	4.77	4.78	4.55	4.30	4.13	4.07	4.38	5.11			
165	6.51	6.29	5.58	5.18	5.08	4.46	5.09	5.11	4.77	4.78	4.71	4.78	4.61	4.78	4.94	5.43			
170	6.43	6.37	6.22	5.65	5.40	5.02	5.18	5.27	5.09	5.18	5.27	5.26	5.25	5.42	5.34	5.51			
175	6.59	6.45	6.46	5.74	5.56	5.34	5.42	5.67	5.48	5.73	5.74	5.74	5.64	5.58	5.34	5.51			
180	6.51	6.45	6.46	5.74	5.56	5.34	5.50	5.75	5.48	6.45	6.46	6.54	5.72	5.58	5.34	5.51			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:William  
 Test Date:2017-12-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.352  
 Humidity:65.7%  
 Test Distance:26.000m [K=1.4470]  
 Remarks:



**正辉检测**

Zhenghui Testing

# 检测报告

## TEST REPORT

**Sample Name:** Light pole

**Applicant:** YANGZHOU XINTONG TRANSPORT  
EQUIPMENT GROUP CO., LTD.

**CLASSIFICATION OF TESTING :** Entrust Detecting

江苏正辉检测有限公司

Jiangsu Zhenghui Testing CO.,Ltd.





# 检测报告

Report No.: ZHT250108002

Date: 2025-01-10

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**Applicant :** YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO., LTD.

**Address:** XINTONG GROUP, GUOJI TOWN, YANGZHOU CITY,JIANGSU PROVINCE, CHINA

**Date of Receipt:** 2025-01-08

**Test Period:** 2025-01-08 to 2025-01-10

**Test Results:** Please refer to the following page(s)

Test Information:

**Sample Name:** Light pole

**Sample description:** Metal parts, without obvious defects that affect the detection.

**Number of samples:** 2pcs

**Material Type:** Hot Dip Galvanizing

**Model No.** Thickness 10mm

**Other information:** /

\*\*\*\*\*For further details, please refer to the following page(s) \*\*\*\*\*

Edited by: 周青林

Reviewed by: 王冉

Approved by: 蔡军  
(Authorized Signatory)



辉检

验检



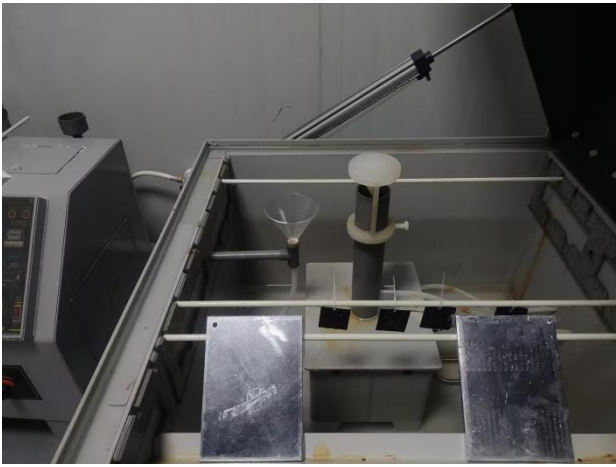

# 检测报告

Report No.: ZHT250108002

Date: 2025-01-10

Page 2 / 3

**Test Item: Salt spray tests**

<b>1.Test sample:</b>				
Sample No.	Sample Name	Material Type	Model No.	Other Info
1#	Light pole	Hot Dip Galvanizing	Thickness 10mm	/
<b>2.Test instruments:</b>				
Effective date	Instruments Name	Instruments Model		
2025.03.13	Salt Spray Test Chamber	JHY-120B		
<b>3.Test method:</b> ISO 9227:2022				
<b>4.Test condition:</b>				
Collect salt water concentration: 50g/L±5 g/L, Salt spray box temperature: 35±2°C (95±3°F) Salt water settling capacity: 1.5 mL/h±0.5 mL/h PH: 6.5 ~ 7.2				
<b>5.Acceptance standard:</b> /				
<b>6.Test Result:</b>				
Sample No.	Testing time	Sample description		
1#	48H	No red rust is generated.		
<b>7.Photo(s) of Test:</b>				
				
During testing		48H-After testing		

测育  
时专用



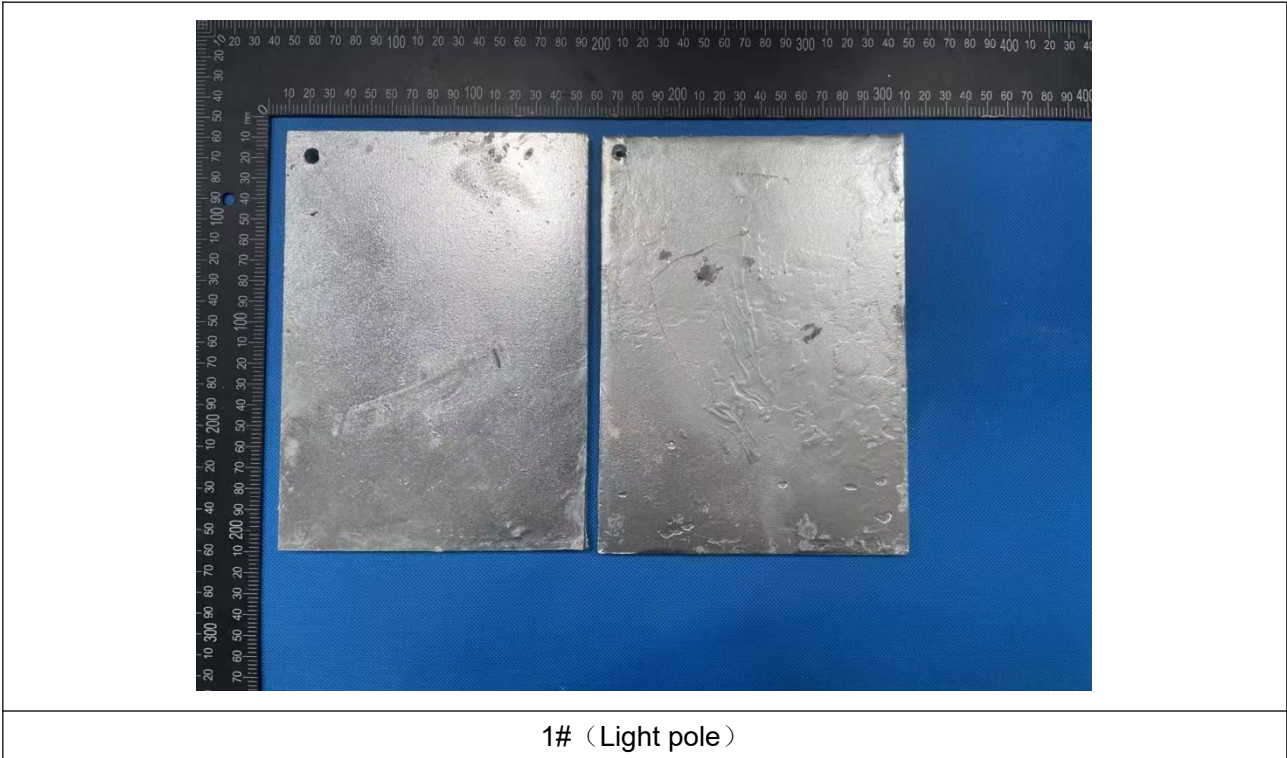
# 检测报告

Report No.: ZHT250108002

Date: 2025-01-10

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**Sample photo (s) :**



\*\*\*\*\*The End of Report\*\*\*\*\*

**Notice:**

- 1.This report has been redacted and part of the copy is invalid.
- 2.The client shall be responsible only for the conformity of the items tested in this report, and for the representativeness and authenticity.
- 3.The test report is invalid without the stamp of “Special Seal for Test” or“Common Seal of Test Unit”.
- 4.Any partial photocopy of the test report is not allowed without written permission of the testing institute. Any modification, improper or illegal use of the test report is prohibited.
- 5.The data and results in the reports without CMA identification, as well as the data and results are not in the scope of the laboratory's qualification in the reports with CMA identification, are not socially proven. Only for the internal use of the client.

\*\*\*\*\*Blank below\*\*\*\*\*



# XINTONG GROUP

YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO., LTD

## WARRANTY LETTER

February.25th.2025

Attn:Site Agent

Dear Friend,

Subject: Warranty for Solar Street Light

We are writing to confirm the warranty terms for the solar street light supplied by YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO.,LTD under contract No. XTAR20250211.

### Terms of Warranty:

**Duration:** The solar street light supplied by YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO.,LTD are covered under a warranty period of **5 years** from the date of shipping, subject to the conditions outlined herein.

**Scope:** This warranty covers manufacturing defects and premature failures of the solar street light under normal use and conditions.

**Exclusions:** The warranty does not cover damages caused by vandalism, accidents, improper installation, negligence, or unauthorized modifications to the solar street light .

**Remedy:** During the warranty period, YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO.,LTD will, at its discretion, repair or replace any defective solar street light and poles covered under this warranty.

### For any warranty claims, please follow the process outlined below:

Notify YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO.,LTD promptly upon discovery of any defect or issue covered under this warranty.

Provide detailed information regarding the nature of the issue and supporting documentation as required.Allow YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO.,LTD reasonable access to inspect and assess the reported issue.

This warranty is subject to adherence to the specified terms and conditions and does not extend beyond the agreed warranty period.

Please do not hesitate to contact us by email [aria@xintong-group.com](mailto:aria@xintong-group.com) for any further clarification or assistance regarding this warranty.

Thank you for choosing YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO.,LTD for your street lighting needs. We look forward to continuing our valued partnership.

Yours sincerely,

**Aria**  
**GENERAL MANAGER**  
**YANGZHOU XINTONG TRANSPORT EQUIPMENT GROUP CO.,LTD**

