1.Product Overview This is our patented product, designed to provide users with high-quality solar photovoltaic street lamp, and has passed CE, UL and a number of international certification. "Wiring free, easy to install", "high charging efficiency", "strong endurance" and "outstanding light efficiency" are the main advantages of this product. Large capacity lithium battery is built into the lamp body, which can absorb solar energy and convert into electric energy by solar panel is stored in the battery and then supplied to the solar lamp. Products are widely used in courtyard, highway and other areas.

Specification of Intrepid Pioneer

All-in-one Solar Light

The company's product appearance designing team inherits the future SI-FI

sense and the industrial visual style, arming to break through the traditional

design of outdoor lighting products. Our patented product (patent number: 202030661742.5) is out there to create a new visual appearance for outdoor lighting products, and strive to create the next hottest product in the market.

2. Product design

3. Product parameter

Product model

Lamp body material

Lens material

Lamp body size

Number of LED (pcs)

Battery capacity (mAh)

Photovoltaic panel

Duration of flight

Discharge current

Luminous flux

MJ-LH8100 100W

MJ-LH8200 200W MJ-LH8100 **ABS** polycarbonate 530*270*70mm 360

12000

4V/10W

(420*210MM)

5 days

2.5A

1081

300W MJ-LH8200 polycarbonate 645*300*70mm (535*210MM)

ABS

480

18000

4V/15W

5 days

3.5A

1573

MJ-LH8300 **ABS** polycarbonate 750*300*70mm 600 24000 4V/18W (635*210MM) 5 days

4.5A

2136

MJ-LH8300

4.1 Convenient installation
All-in-one solar light means the solar panel is embedded in the lamp body. This design eliminates
complex installation accessories such as brackets. It will increase installation efficiency in several
times.
A O Estimate and another an area and a second

4. Product advantages

times.
4.2 Efficient quick charging scheme
This product adopts the latest quick charging scheme, and charging efficiency can be up to 50%
higher than similar products. For example, similar products use 6V/12W solar panel and the peak
charging current is 2A; our product uses 4V/12W solar panel and the peak charging current is 3A.
By comparison, the charging efficiency of our products has been improved by 50%.
4.3 Multiple functional models
Our product has three brightness, including radar mode for all night, constant lighting mode for all
night, and switch to radar mode after constant light mode.
4.4 Smart power management system, extra-long battery life
We are committed to meet the needs of customers "365 days, daily brightness", our company has
developed an smart power management system in cooperation with the University of Electronic
Science and Technology to make sure our product not only has higher charging efficiency, but also can actively identify the amount of charging per day, so as to independently adjust the capacity to
achieve a better rainy day efficiency.
5. Lighting model

Model-On Time

4-5H

60%-50%

60%-50%

60%-50%

2. In constant light mode, 2+X mode, 3+X mode, when the power is lower than 20%,

1.AUTO mode. AUTO mode means radar mode for all night. This mode is the brightest and the

6H

50%-40%

50%-40%

50%-40%

6H to morning

30%

30%

30%

2 + X/3 + X100%-80% Always model 100%-80% Tips:

1H

100%-80%

6. Illustration of remote control

discharging time is more than 5 days.

Three Brightness Modes

2-3H

80%-60%

80%-60%

80%-60%

1. The brightness is 70% of radar mode during in 2+X/3+X mode.

(The remote control has memory function, you can set only once.)

the system will automatically switch to radar mode.)

Power reduction in different modes

Auto model

discharging time is more than 5 days	•	
radar mode after 2 or 3 hours constant mode for all night.	nt lighting. Th	he buttons "2+X", "3+X" means switching to ne brightness of this mode is 70% of radar ting for all light. The brightness of this mode
Turn ON—	ON O OFF	————Turn OFF ———— 100% brightness ———— Radar mode for all night
Increase the brightness———————————————————————————————————	+ AUTO -	Decrease the brightness
Turn on/off of monitor(Optional)	Always RST -	Constant lighting mode Reset Button: for the first use or change of WIFI account, long press for more
Switch to radar mode after 3 hours constant lighting	3+x	than 5 seconds.(Optional) Switch to radar mode after 2

1. Pressing the key "AUTO" the light will automatically turn on in the dark and turn off to charge in the day.

2. The remote control has memory function, you can set according to your preference.

Tips:

3. The brightness is 70% of radar mode during in constant lighting mode, 2 hours constant lighting mode, 3 hours constant lighting mode.

Lamppost

8. Product angle rendering

7. Product packaging

22.5

10

12.75

15.5

21

hours constant lighting

color box Outer packing **Packing list** Outer box size Color box size Packing number Gross weight of Net weight(KG) model (PCS) the whole box(KG) (CM) (CM) MJ-LH8100 53.6*6.8*27.2 56*38*30 5 12 MJ-LH8200 64.6*6.8*30.2 67*38*33 5 14.8 MJ-LH8300 75.6*6.9*30.2 78*38*33 5 17.75

55*42*50

25







Spectrum Test Report

Date

RH

IΡ

Т

R6 =68

R13=72

Fmol(umol/s):1.400e+000 Fluorescence and blue light ratio:1.976 Fluorescent efficiency:25.75

EVERFINE 杭州市滨江区滨康路669号 http://www.everfine.cn

Spectrum Test Report

R7 = 84

R14=87

1.0=44.217mW/nm

Instrument

Operator

Delicacy

CIE1931 EVERFINE on



EVERFINE。远方

: 2021-03-10

: DAMIN

: 65.0%

: 78 ms

: High

: 52920 (81%)

: HAAS-2000(EVERFINE)

Tc = 7682K

CIE1931 Chromaticity Diagram

R15=68

www.everfine.cn

: LH8100

: 25.3Deg

: Fast Test

Spectroradiometric Parameter

: 380nm-780nm

Product

Sample No.

Manufacturer

Temprature

Scan Range

Test Type

1.0

0.8

0.6

0.4

0.2

Test Condition

680 580 Wavelength (nm) Spectral Distribution **CIE Color Parameters:** Chromaticity Coordinate: x=0.2964 y=0.3150/u'=0.1916 v'=0.4582(duv=4.66e-03) CCT:Tc= 7682K Prcp WaveL: **d**=485.1nm Purity=13.9% Peak WaveL:λ p=450nm Half Width:Δλp=17.5nm Ratio:R=12.3% G=83.4% B=4.3% Render Index:Ra=73.6 R1 = 71R2 = 76R3 = 77R4 =75 R5 = 73R8 =65 R9 = 0R10=42 R11=72 R12=39 LEVEL:OUT WHITE:OUT **Photo Parameters:**

Flux = 1081.1Im Eff.: 133.06 Im/W Fe = 3.151 W

V = 3.250 V I = 2.500 A P = 8.125 W PF = 1.000

Electrical parameters:

Product

Spectrum

1.0

0.8

0.6

0.4

0.2

0.0

R1 =71

R8 =64

Product

0.6

0.4

0.2

Spectral Distribution

LEVEL:OUT

V = 3.250 V

Electrical parameters:

Sample No.

Manufacturer

LEVEL:OUT

Spectral Distribution

Render Index:Ra=73.7

Photo Parameters:

Sample No.

Manufacturer **Test Condition** Temprature : 25.3Deg Scan Range : 380nm-780nm Test Type : Fast Test Spectroradiometric Parameters 1.0=65.195mW/nm

: LH8200

EVERFINE。远方 www.everfine.cn Date : 2021-03-10 Instrument : HAAS-2000(EVERFINE) Operator : DAMIN : 65.0% : 52228 (80%) : 52 ms Delicacy : High CIE1931 EVERFINE on $x = 0.2968 \ y = 0.3162$ Tc = 7632K

680 CIE1931 Chromaticity Diagram Chromaticity Coordinate: x=0.2968 y=0.3162/u'=0.1915 v'=0.4589(duv=5.01e-03) CCT:Tc= 7632K Prcp WaveL: d=485.4nm Purity=13.7% Peak WaveL:λ p=451nm Half Width:Δλp=17.9nm Ratio:R=12.3% G=83.4% B=4.4%

R7 = 84

R14=88

R15=68

R6 =68

R13=72

RH

IΡ

Т

Electrical parameters:

: LH8300

480

CIE Color Parameters:

R2 = 77

R9 = 0

R3 = 78

R10=43

WHITE:OUT

Flux = 1573 lm Eff.: 138.22 lm/W Fe = 4.721 W

V = 3.250 V I = 3.500 A P = 11.38 W PF = 1.000

580 Wavelength(nm)

R4 = 75

R11=71

R5 = 73

R12=39

Fmol(umol/s):2.099e+000 Fluorescence and blue light ratio:1.984 Fluorescent efficiency:27.60

EVERFINE 杭州市滨江区滨康路669号 http://www.everfine.cn **Spectrum Test Report**

Date

Instrument

www.everfine.cn : 2021-03-10 : HAAS-2000(EVERFINE)

Tc = 7707K

CIE1931 Chromaticity Diagram

: DAMIN

Operator **Test Condition** Temprature : 65.0% : 25.3Deg RH IP Scan Range : 380nm-780nm : 55924 (85%) : 40 ms Test Type : Fast Test Delicacy : High **Spectroradiometric Parameters** CIE1931 EVERFINE on Spectrum 1.0 = 90.853 mW/nm0.2961 y = 0.31501.2 1.0 0.8

CIE Color Parameters: Chromaticity Coordinate: x=0.2961 y=0.3150/u'=0.1914 v'=0.4581(duv=4.80e-03) CCT:Tc= 7707K Prcp WaveL: d=485.1nm Purity=14.0% Render Index:Ra=73.7 R1 = 71R2 = 77R3 = 78R4 =75 R10=42 R8 =65 R9 = 0R11=72

580 Wavelength (nm)

I = 4.500 A P = 14.63 W PF = 1.000 **EVERFINE** 杭州市滨江区滨康路669号 http://www.everfine.cn

R5 = 73R6 =68 R12=39

Peak WaveL:λ p=450nm Half Width:Δλp=17.8nm Ratio:R=12.3% G=83.4% B=4.4% R7 = 84R13=72 R14=87 R15=68 WHITE:OUT **Photo Parameters:** Flux = 2136 lm Eff.: 146.00 lm/W Fe = 6.542 W Fmol(umol/s):2.907e+000 Fluorescence and blue light ratio:1.966 Fluorescent efficiency:29.66