LEYOND®雷亞德

规 格 书

SPECIFICATION

产品名称
Product Name：   SUNLUX Series **Solar LED Street Light**

产品型号
Part No：   **LY-ST32060XX（XX=PW、WW 、NW）**

批准号码
Approval No：   20221124003

V1.0

Add: 2F, 8-5 Building, Tongfuyu Industrial Park, Aiqun road,
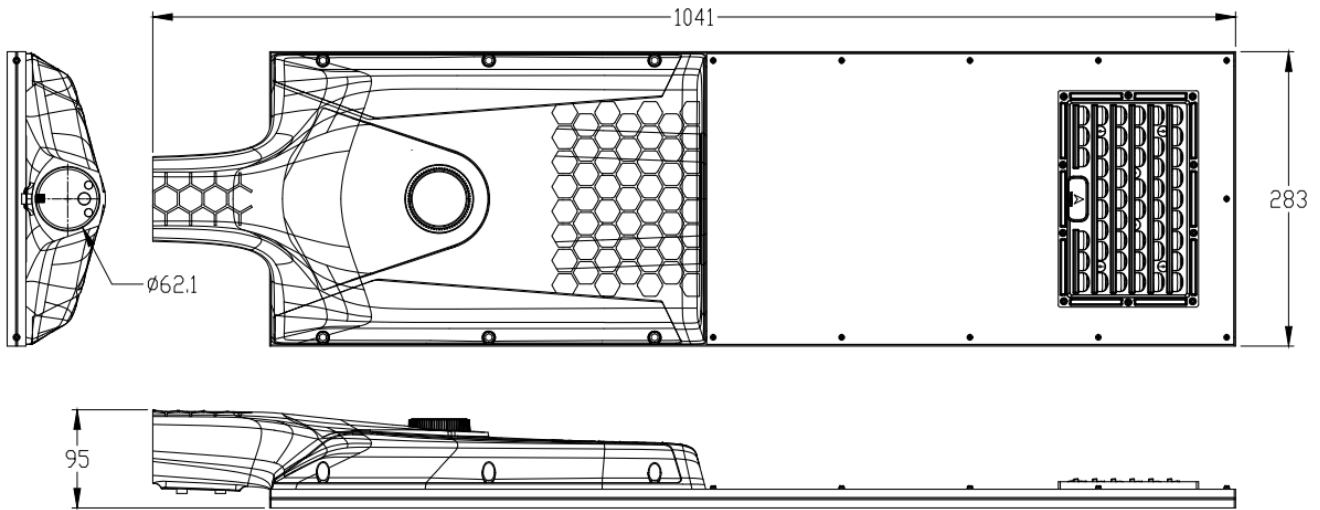
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www.leyond.com.cn

感受光的魅力
EMBRACE THE CHARM OF LIGHT,
找寻光的价值
SEEK THE VALUE OF LIGHT!

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1. Outlook

<div align="right">Unit: mm</div>

2. Application

Suitable for the street lighting; Sidewalk lighting; Roadway lighting; Fence lighting; Pathway lighting; Campus lighting; Park lighting; Garden lighting; Ramp lighting; Boat dock lighting; Remote area lighting; Farm & Ranch lighting.

3. Features

1. The lamp adopts integrated structure design, with better heat dissipation design and longer life;
2. Using LUXEON 5050 lamp beads, the whole lighting effect is up to 200lm/W;
3. The solar panel is made of Monocrystalline silicon, with a higher conversion efficiency, up to 18%, and a service life of up to 25 years;
4. Using the most advanced MPPT tracking control technology to improve system efficiency and reduce costs;
5. It has functions of light control, time control, dimming, intelligent power saving + morning light;
6. Solar controller built-in lightning protection module;
7. Using LiFePO4 battery technology, the battery capacity is high;
8. 365 days uninterrupted power.
9. Three control model: **Time control + light sensor control + motion sensor control**
    Time control: It can be divided into 5 time periods, which is more humane and energy-saving;
    Light sensor control: When the evening comes, when the solar panel battery voltage is lower than 3V, the lamp will automatically turn on;
    Motion sensor control: A motion-sensing energy-saving mode. When a moving object is sensed, the lamp will have 100% brightness; when no moving object is sensed, the lamp will be in a low-power and energy-saving state, with a brightness of 10%-100% (can be set)

FULL POWER >12 HOURS ,INTELLIGENT MODE 4-5 DAYS

SOLAR LED STREET LIGHT

LEYOND 雷亞德 LUXEON 5050 / 20-60W

THE INTELLIGENT CONTROL SYSTEM

Intelligent controller works with Microwave sensor,ensure the effective lighting.
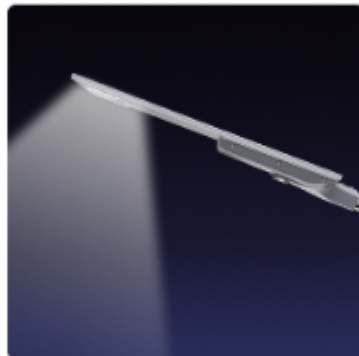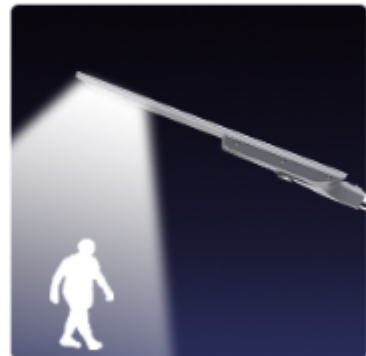
Microwave
sensor

INTELLIGENT CONTROL SYSTEM

THE intelligent control system can operate without interruption,ensure the effective lighting.
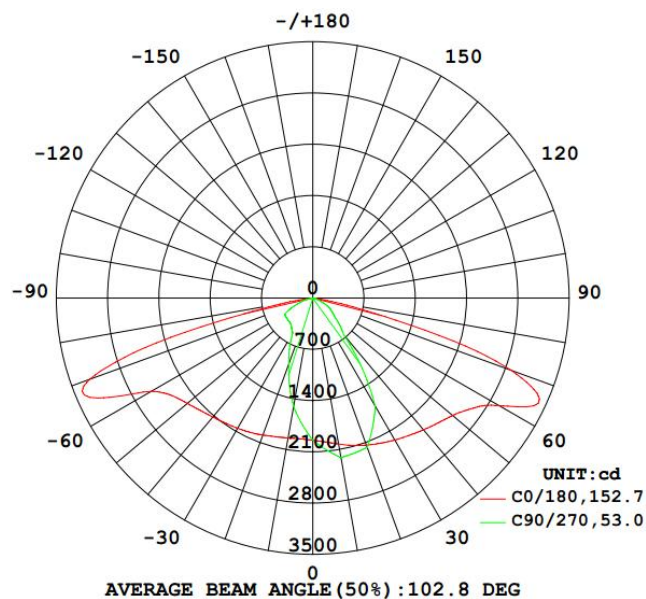
Day

Without human body
induction at night

With human body
induction at night

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EMBRACE THE CHARM OF LIGHT,
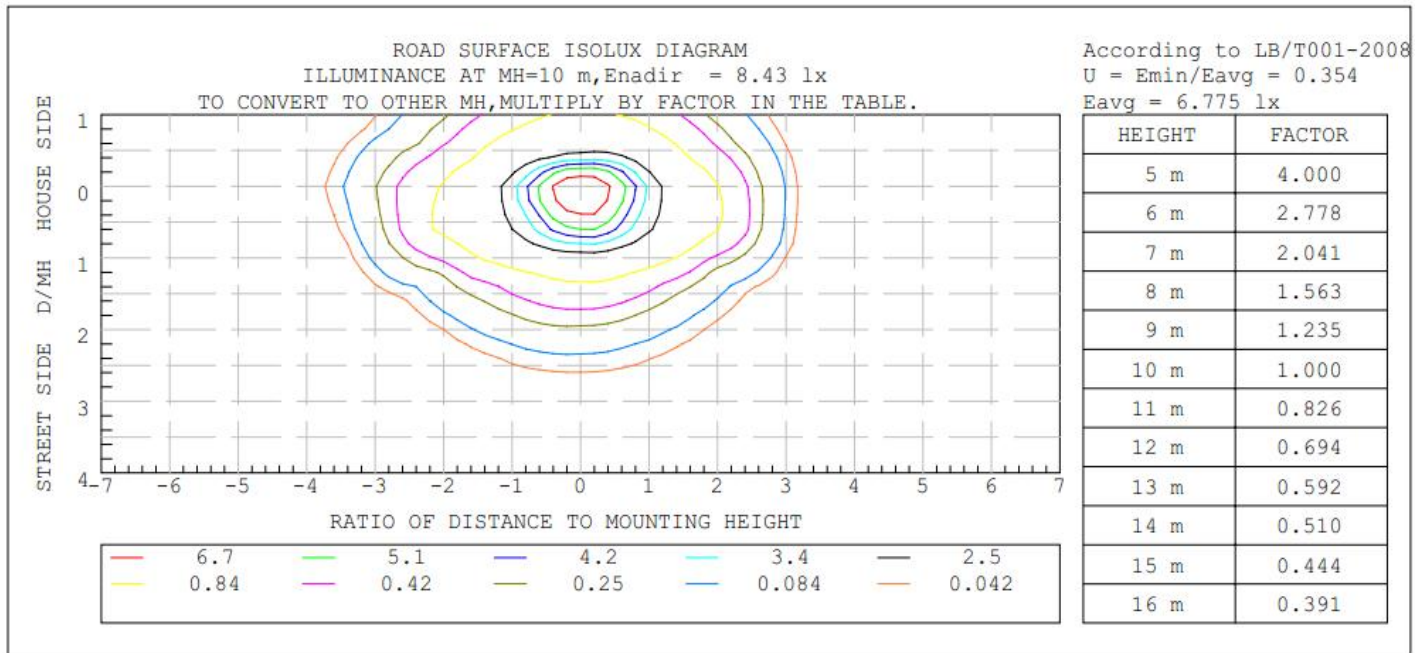找寻光的价值
SEEK THE VALUE OF LIGHT!

4. Specification

Part Number / Parameter	LY- ST32060XX XX=PW/WW/NW		
Battery	32700 LiFePO4 12.8V 36Ah (461WH)		
Beam angle	150x65°		
Pole diameter	60 MM		
Light output Max	60W		
Luminous flux(lm) Max	12000		
Color Temperature	Pure white:5000-6500K	Warm white:2700-3200K	Neutral white:4000-4500K
Solar panel	60W /18V Monocrystalline silicon (Life span of 25 years, 80% efficiency)		
CRI	>70		
Chip Brand	LUXEON 5050		
LED Quantity(PCS)	48		
Control Mode	Time control + Light sensor control + Motion sensor control		
Operating time	Full power >12 hours ,Intelligent mode 3-4 days (Affected by local use environment and sunlight)		
Material	Aluminum		
Luminous efficiency(lm/w)	>200		
warranty	Three years		
IP Rating	IP65		
Installation height	3~7M		
Size(mm)	L1041*W283*H95mm (L40.98*W11.14*H3.74 Inch)		
Net Weigh(kg)	10.2		

5. Distribution Curve

AVERAGE BEAM ANGLE(50%):102.8 DEG

UNIT:cd
C0/180,152.7
C90/270,53.0

ROAD SURFACE ISOLUX DIAGRAM
ILLUMINANCE AT MH=10 m, Enadir = 8.43 lx
TO CONVERT TO OTHER MH, MULTIPLY BY FACTOR IN THE TABLE.

According to LB/T001-2008
U = Emin/Eavg = 0.354
Eavg = 6.775 lx

HEIGHT	FACTOR
5 m	4.000
6 m	2.778
7 m	2.041
8 m	1.563
9 m	1.235
10 m	1.000
11 m	0.826
12 m	0.694
13 m	0.592
14 m	0.510
15 m	0.444
16 m	0.391

RATIO OF DISTANCE TO MOUNTING HEIGHT

6.7	5.1	4.2	3.4	2.5	
0.84	0.42	0.25	0.084	0.042	

6. Operation and Storage Condition

- Operation Ambient Temperature -10 to +45°C, Relative Humidity 20~90%
- Storage Ambient Temperature -10 to +35°C, Relative Humidity 5~95%
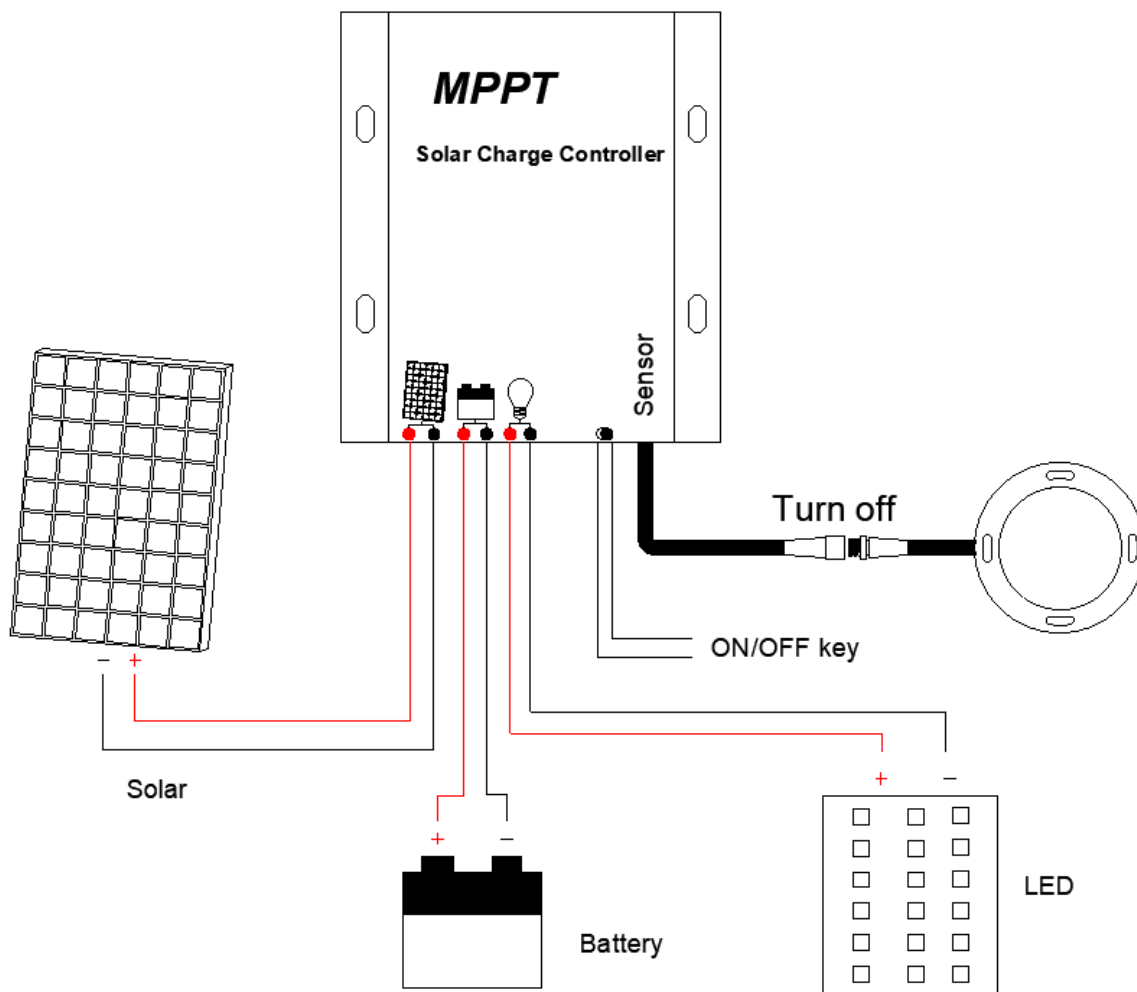- Mounting Height: Suitable for 3~7m height

7. Package

Packing size:

Par NO.	Size	Net weight	Gross weight	Quantity
Inner Carton	L1090*W325*H148mm L42.92*W12.80*H5.83Inch	10.2kg	11.5kg	1PCS
Outer Carton	L1108*W340*H320mm L43.62*W13.39*H12.60Inch	20.5kg	24.4kg	2PCS

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8. Lamp internal wiring diagram:

9. Warning

1. Do not install in high temperature, closed and non-ventilated areas;

2. The installation location should not be installed under the tree or the place where there are obstructions. The solar panel must be exposed to sunlight in all directions;

3. When the product is stored in the warehouse, it needs to be charged and discharged every 3 months;

4. When the product is faulty, you need to find a professional to deal with it;

5. Eliminate scrapped products, must be handed over to the relevant departments for Centralized processing.