Solar Street Light 500w

High Quality Solar Panels

Fast energy storage, 20% higher photoelectric conversion rate, and with a built-in lithium battery, it only takes 6-8 hours to fully charge.

High Brightness Solar Light

This street light has high-brightness energy-saving LED beads, suitable for outdoor places such as courtyards, gardens, patios, parking lots, etc.

Easy To Installation

The solar street light is easy to install, and can be mounted on a wall or a pole, it can saving installation costs and maintenance costs, electricity bills as well.

PRODUCT DETAILS
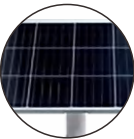
1

Solar Panel
High quality polycrystalline silicon material, high charging efficiency, long lifespan.

2

LED Chip
Moisture-proof and waterproof, high quality LED chip has a wide lighting range.

3

Battery
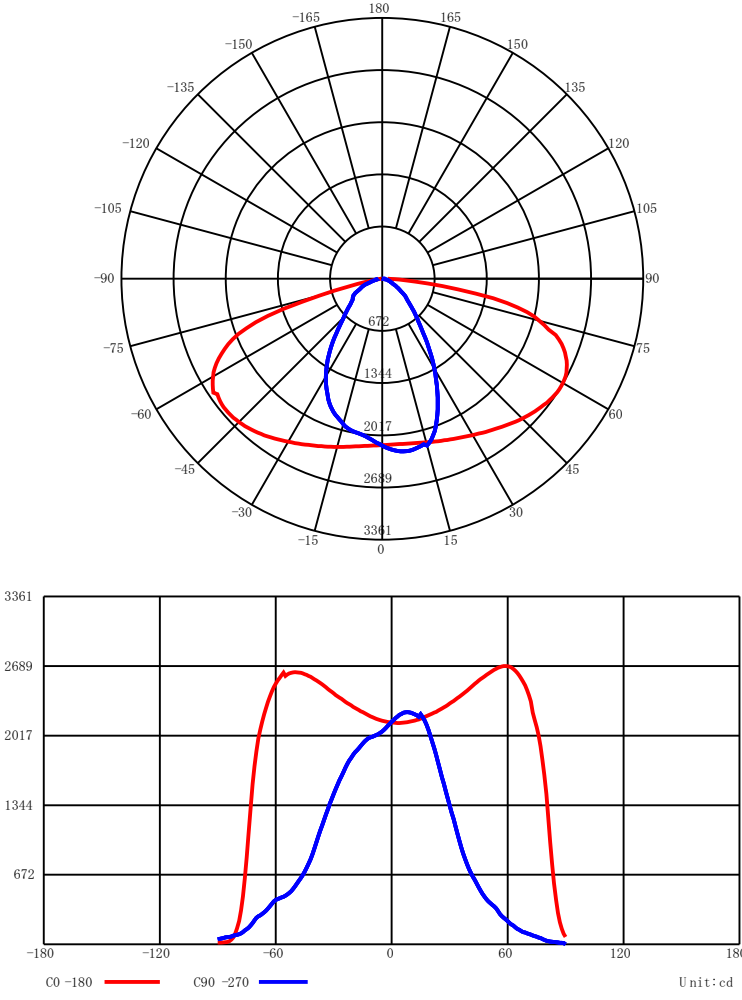Long battery lifespan and more durable, even use in the -20℃~65℃ area.

4

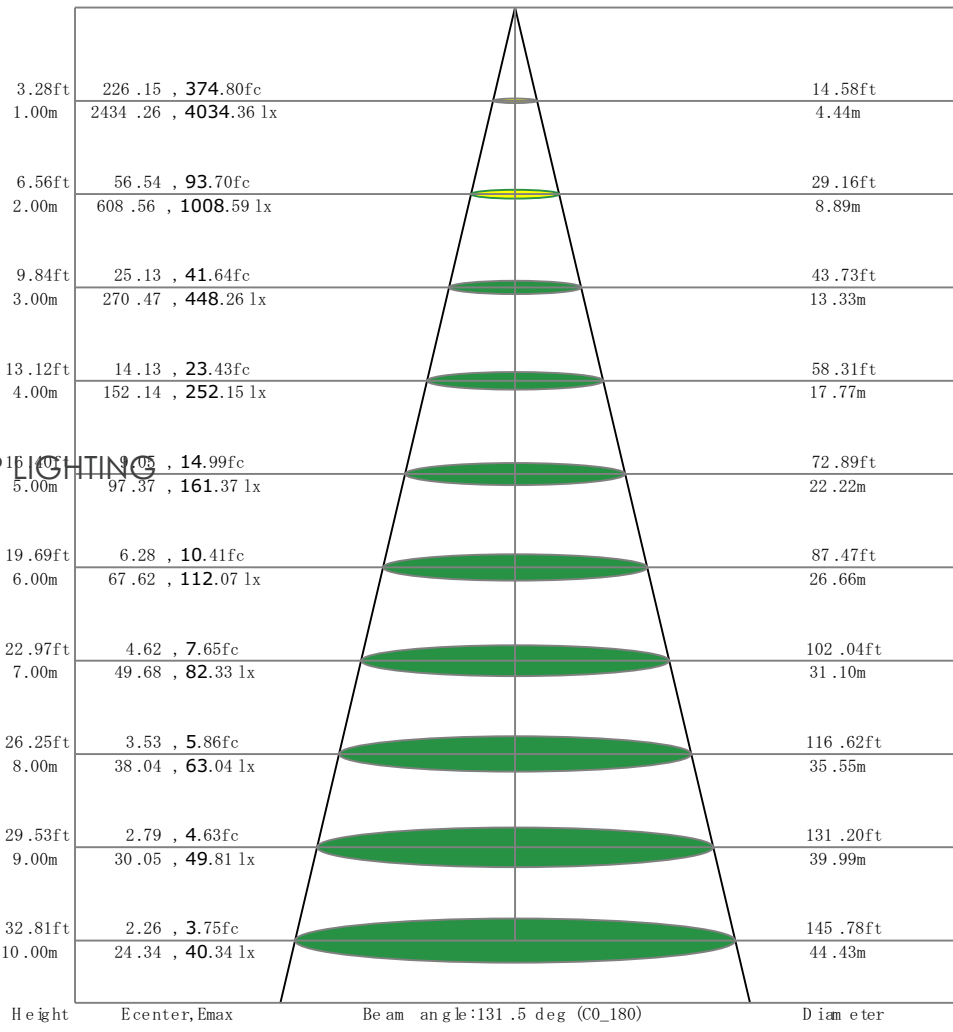## Iron Material
Stable and strong, waterproof and rustproof.

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LUMINOUS INTENSITY DISTRIBUTION CURVE

C0 -180   C90 -270

Unit:cd

LX-DISTANCE DIAGRAM

Height	Ecenter,Emax		Diameter
3.28ft	226.15 , 374.80fc		14.58ft
1.00m	2434.26 , 4034.36 lx		4.44m
6.56ft	56.54 , 93.70fc		29.16ft
2.00m	608.56 , 1008.59 lx		8.89m
9.84ft	25.13 , 41.64fc		43.73ft
3.00m	270.47 , 448.26 lx		13.33m
13.12ft	14.13 , 23.43fc		58.31ft
4.00m	152.14 , 252.15 lx		17.77m
16.07ft	9.05 , 14.99fc		72.89ft
5.00m	97.37 , 161.37 lx		22.22m
19.69ft	6.28 , 10.41fc		87.47ft
6.00m	67.62 , 112.07 lx		26.66m
22.97ft	4.62 , 7.65fc		102.04ft
7.00m	49.68 , 82.33 lx		31.10m
26.25ft	3.53 , 5.86fc		116.62ft
8.00m	38.04 , 63.04 lx		35.55m
29.53ft	2.79 , 4.63fc		131.20ft
9.00m	30.05 , 49.81 lx		39.99m
32.81ft	2.26 , 3.75fc		145.78ft
10.00m	24.34 , 40.34 lx		44.43m

Beam angle:131.5 deg (C0_180)

ALLTOP LIGHTING

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ISOCANDELA DIAGRAM

Unit of intensity:cd   Imax(100%): **2688**.833 cd

- —— 2554.391 (95% Imax)
- —— 2419.949 (90% Imax)
- —— 2151.066 (80% Imax)
- —— 1882.183 (70% Imax)
- —— 1613.3 (60% Imax)

- —— 1344.416 (50% Imax)
- —— 1075.533 (40% Imax)
- —— 806.65 (30% Imax)
- —— 537.767 (20% Imax)
- —— 268.883 (10% Imax)

Unit of illmination:lx   Height of plane:8.0 (m)/26.25 (ft)

- —— 32.19 (1% Emax)
- —— 31.49 (1% Emax)
- —— 27.991 (1% Emax)
- —— 24.493 (1% Emax)
- —— 20.994 (1% Emax)

- —— 17.495 (1% Emax)
- —— 13.996 (1% Emax)
- —— 10.497 (0% Emax)
- —— 6.998 (0% Emax)
- —— 3.499 (0% Emax)

UTILIZATION FACTOR DIAGRAM (ROAD)

House   Street   [W/H]

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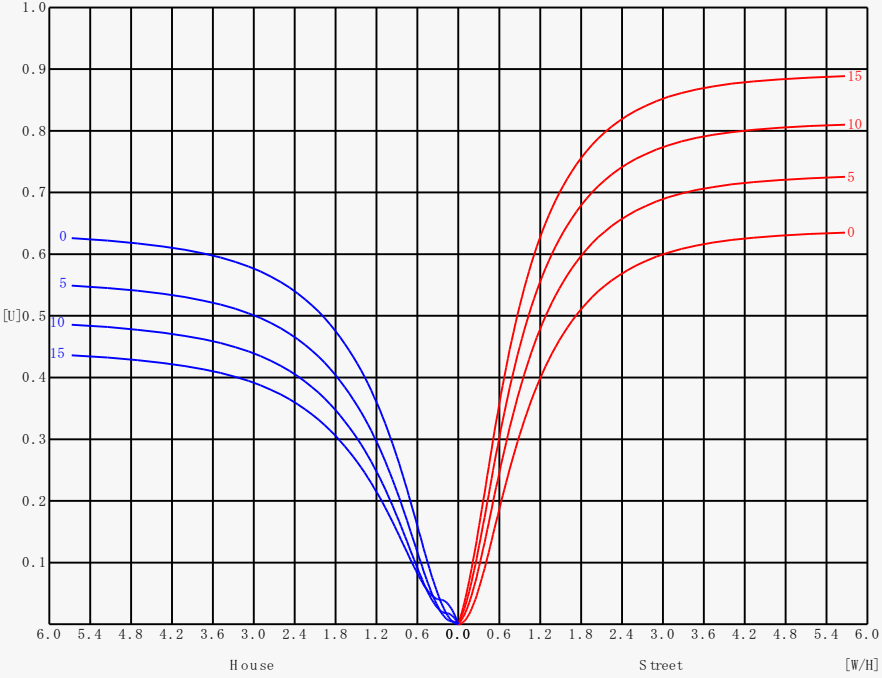
BATTERY SPECIFICATION

DesignLife	6-8 years
Nominal Voltage	3.2V
Nominal Capacity	30AH
Self-Discharge	
3% of capacity declined per month at 20℃(average)	
Operation Temperature Range	
Discharge	-20~60℃
Charge	-10~60℃
Storage	-20~60℃
Max.Discharge Current 77°F(25℃)	1200A(5s)
Short Circuit Current	3000A

BATTERY GUARANTEE OF QUALITY

1

Battery Cells
High-end battery cells keep every cell's voltage, resistance, capacity, discharging always in sync.

3

Precision Welding Machine
Fully automatic precision welding machine can ensure that every battery can be welded firmly to prevent the danger of short circuit or power failure.

2

Aging Test Machine
every battery pack need to thorough charging and discharging test by the aging test machine to keep 100% qualified.

4

Battery Protector
High precision IC keep performance more stable protect over load, over charge, over discharge, short circuit, over voltage, over current keep battery pack always safe and long life span.

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INTRODUCTION SMD 3030

The Bridge lux SMD 3030 offers exceptional performance in a compact LED package. This high power LED is hot-color targeted which ensures that the LEDs fall within their specified color bin at the typical application conditions of 85° C. With its broad lumen coverage and wide range of CCT and CRI options, the SMD 3030 provides unparalleled design-in flexibility for indoor and outdoor lighting applications. Its high flux capability reduces the number of LEDs and enables industry leading system level lumen per dollar. The SMD 3030 is ideal as a drop in replacement for emitters with an industry standard3. 0mm x 3. 0mm footprint.

Typical Color Specturm

3030 LED Chip
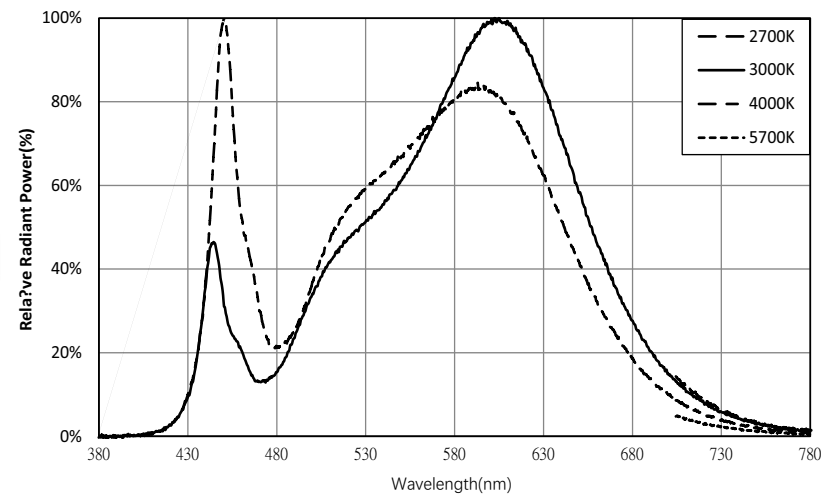
Benefits

• Lower operating and manufacturing cost
• Ease of design and rapid go-to-market
• Uniform consistent white light
• Reliable and constant white point
• Environmentally friendly, complies with standards
• Design exibility

Features

• Industry-standard 3030 footprint
• Excellent color maintenance
•9 bin color control enables tight color control
• Superior luminous ux at maximum current for reduced LED count
• Hot-color targeting ensures that color is within the ANSI bin at the typical application conditions of 85℃
• Multiple CCT and CRI congurations for a wide range of lighting applications

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PRODUCT SPECIFICATION

Model	0983A75-01
LED Lamp	3030 LED 75PCS 6000K
Solar Panel	5V 40W, Polycrystalline
Battery Type	LiFePO4 3.2V 30AH
Charging Time	6-8 hours
Discharging Time	30-36 hours
Led	160 lm/w
Material	Iron
Product Size	1160*560*354mm
Install Height	6-8m
Warranty	3 Years

560mm
1160mm
354mm
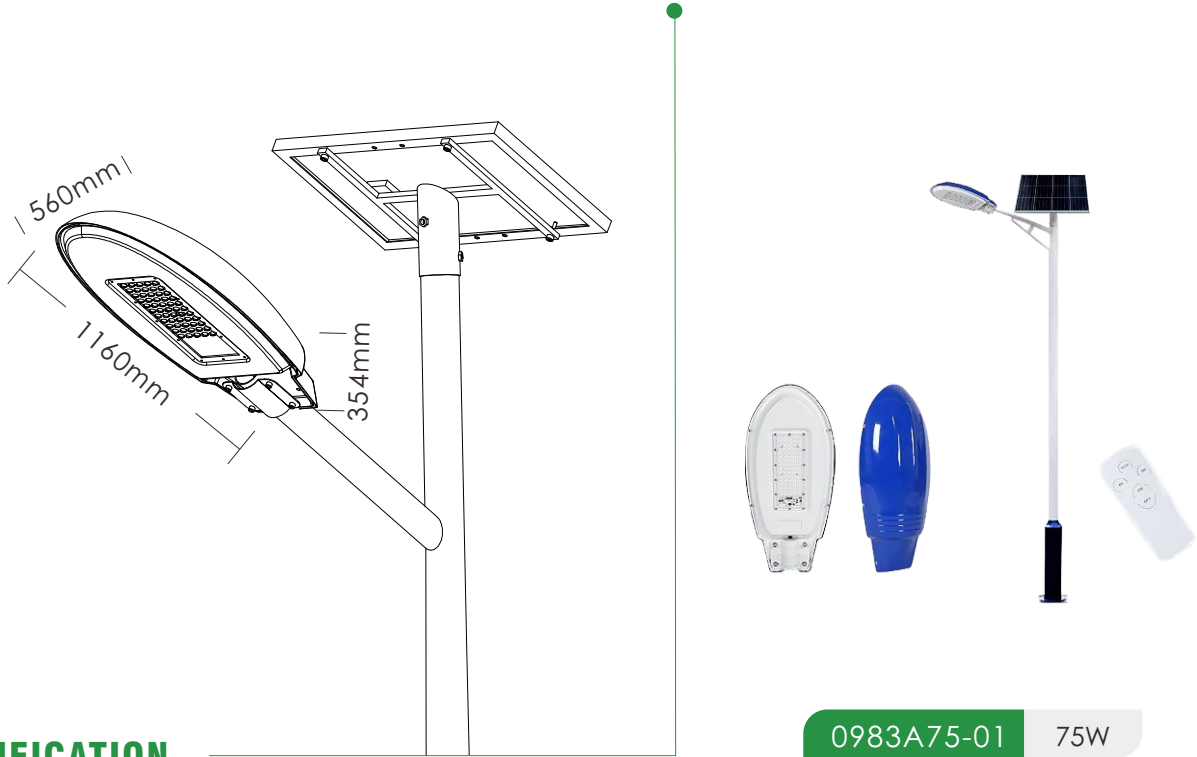
0983A75-01   75W

PACKAGING SPECIFICATION

27.5cm
68.5cm
55cm
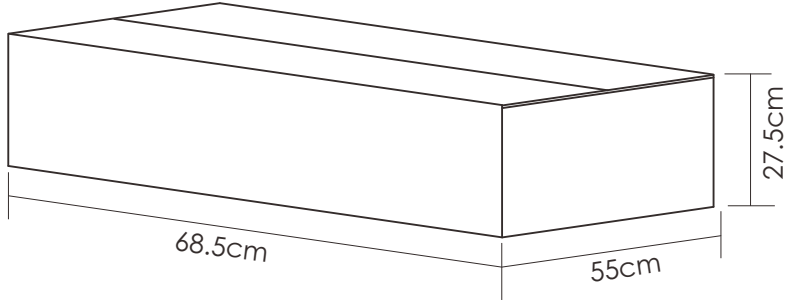
P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0983A75-01	500W	68.50	55.00	27.50	1	0.1036	8.00

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INSTALLATION GUIDE

Warning:

► Please avoid looking directly at the light.
► Dismantling process must be carried out in a safe place.
► Do not short-circuit, disassemble ; do not put in the water and near the fire.
► Without the guidance of experts, users are forbidden to repair or dismantle the lights: The supplier shall not be responsible for any consequences owing to incorrect operation or wrong maintained by users.

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