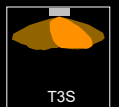
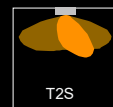


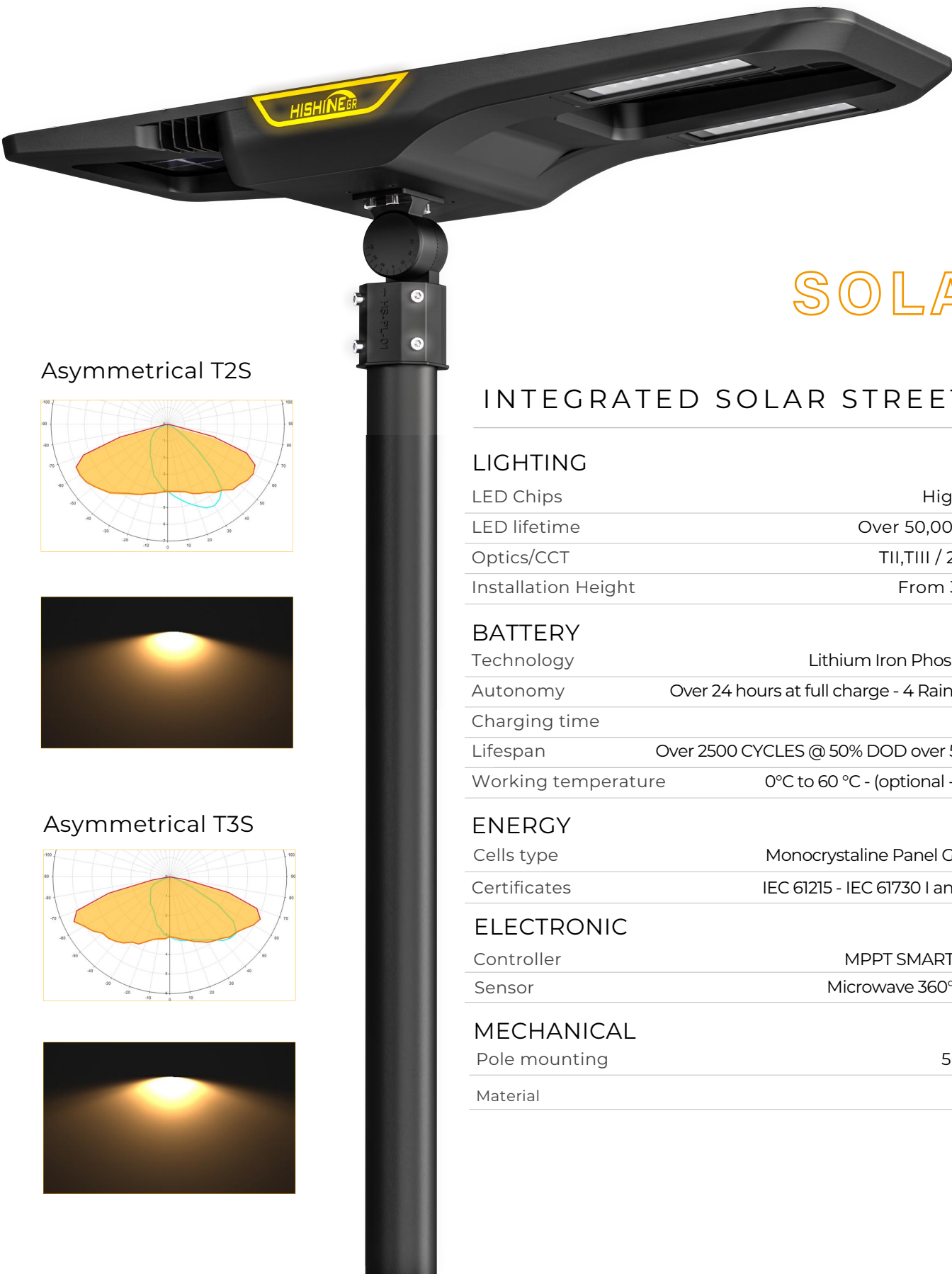
SOLAR STREET SERIES



SOLAR E

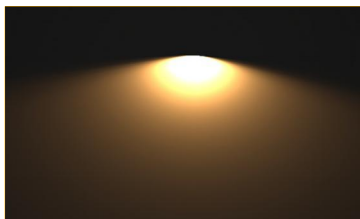
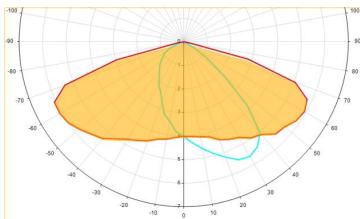
INTEGRATED SOLAR STREET LIGHT
HS-SSL-E



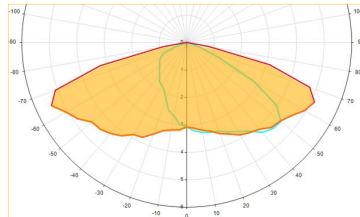


SOLAR E

Asymmetrical T2S



Asymmetrical T3S



INTEGRATED SOLAR STREET LIGHT

LIGHTING

LED Chips	High Bright 3030
LED lifetime	Over 50,000 hours LM80
Optics/CCT	TII,TIII / 2700 to 6500K
Installation Height	From 3 To 10 Meters

BATTERY

Technology	Lithium Iron Phosphate LIFEP04
Autonomy	Over 24 hours at full charge - 4 Rainy Days back up
Charging time	5-6 hours
Lifespan	Over 2500 CYCLES @ 50% DOD over 5 years Lifetime
Working temperature	0°C to 60 °C - (optional -30°C TO 60 °C)

ENERGY

Cells type	Monocrystalline Panel Grade A 25 years
Certificates	IEC 61215 - IEC 61730 I and II - IEC 60904

ELECTRONIC

Controller	MPPT SMART CONTROLLER
Sensor	Microwave 360° Motion Sensor

MECHANICAL

Pole mounting	50mm - 70mm
Material	Aluminum



Bike
Paths



Hiking
Trails



Car Parks &
Rest Areas



Main
Roads



Pathways
& Alleys



Campsites



Optical Distribution & Lighting Performance

Engineered optics and high-efficiency LEDs deliver uniform illumination, enhanced visibility, and energy-saving performance for every application.



High Bright 3030 LED

High efficacy LED source for reliable road lighting.



Optics/CCT

T2S & T3S optics for different road widths.



CCT 2700K-6500K

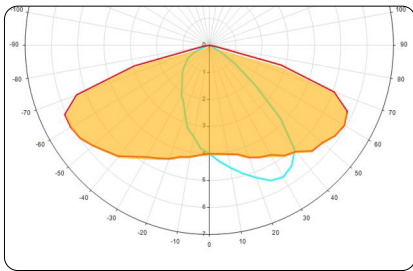
2700K -6500K flexible options.



Anti-corrosion Body

Die-cast aluminum housing for outdoor durability.

Asymmetrical T2S

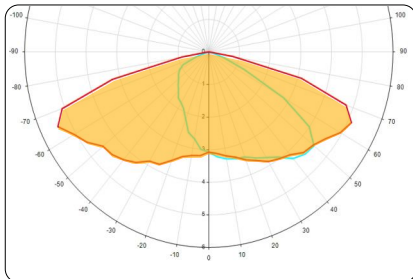


Ideal for narrow applications.

- ✓ Narrow roads
- ✓ Pathways
- ✓ Residential roads
- ✓ Bike paths



Asymmetrical T3S



Ideal for wide applications.

- ✓ Wider roads
- ✓ Parking areas
- ✓ Main roads
- ✓ Public outdoor areas



Uniform illumination

Precision Optics improve visibility and reduce glare



Better visibility

Enhanced clarity for drivers and pedestrians.



Energy efficient

Higher utilization of light, lower energy waste.



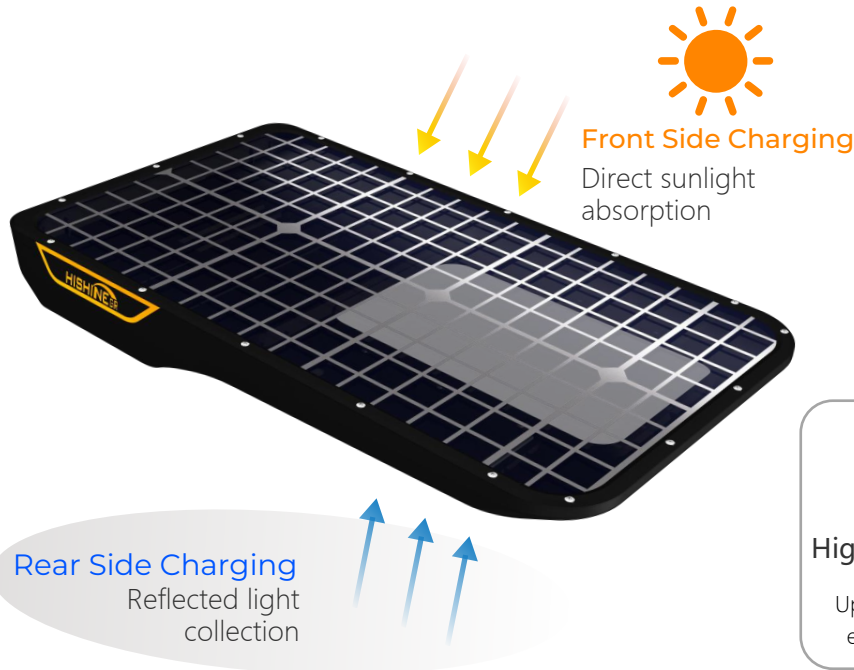
Safer environments

Consistent lighting performance for greater safety.

Durable Materials & Bifacial Solar Panel

Dual-Side Charging for Higher Solar Energy Collection

Captures sunlight from both the front and rear sides to improve charging efficiency in outdoor environments.



Higher Efficiency

Up to 30% more energy harvest



Durable Body

Durable die-cast aluminum housing



Tempered Glass

4mm UV-resistant tempered glass.

MPPT Smart Controller

In a search for performance and reliability, our products are equipped with MPPT technology controller offering the best charging efficiency on the market up to 98%



Minimal stand-by power consumption



Current consumption $\leq 10\text{mA}$



Intelligent battery management



Sunset



Night



Sunrise

Pr 1

1 h

2 h

3 h

6 h

luminance: 100% 80% 60% 40%

CONTACT US FOR MORE PROGRAM OPTIONS

Cold Battery & Microwave Motion Sensor



Cold Battery for -30 °C Weath (Option 1)

Optional low-temperature LiFePO₄ battery supports charging at very low temperatures and operation from -30 °C to 60 °C, suitable for cold regions and winter outdoor projects.



With a cycle life of over
2500

Cycles @ 50% DOD,
the battery enjoys over
5 years lifetime.



0 °C to 60 °C

Standard / - 30 °C Optional



Stable in Extreme Temperature

Reliable operation in harsh
winter conditions

Microwave Motion Sensor (Option 2)

Built-in microwave sensor detects motion with precision for intelligent, energy-efficient lighting control.



More Reliable Than Infrared

Not affected by heat, glare, or smoke.



Up to 12 m Detectivity

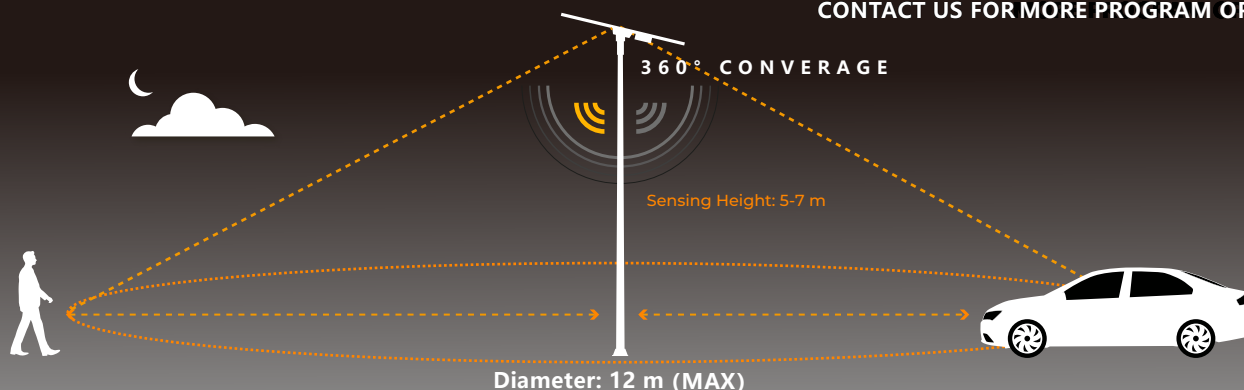
Wide detection range for better coverage.



Insensitivity to other environmental
variations such as light, color, temperature, etc.

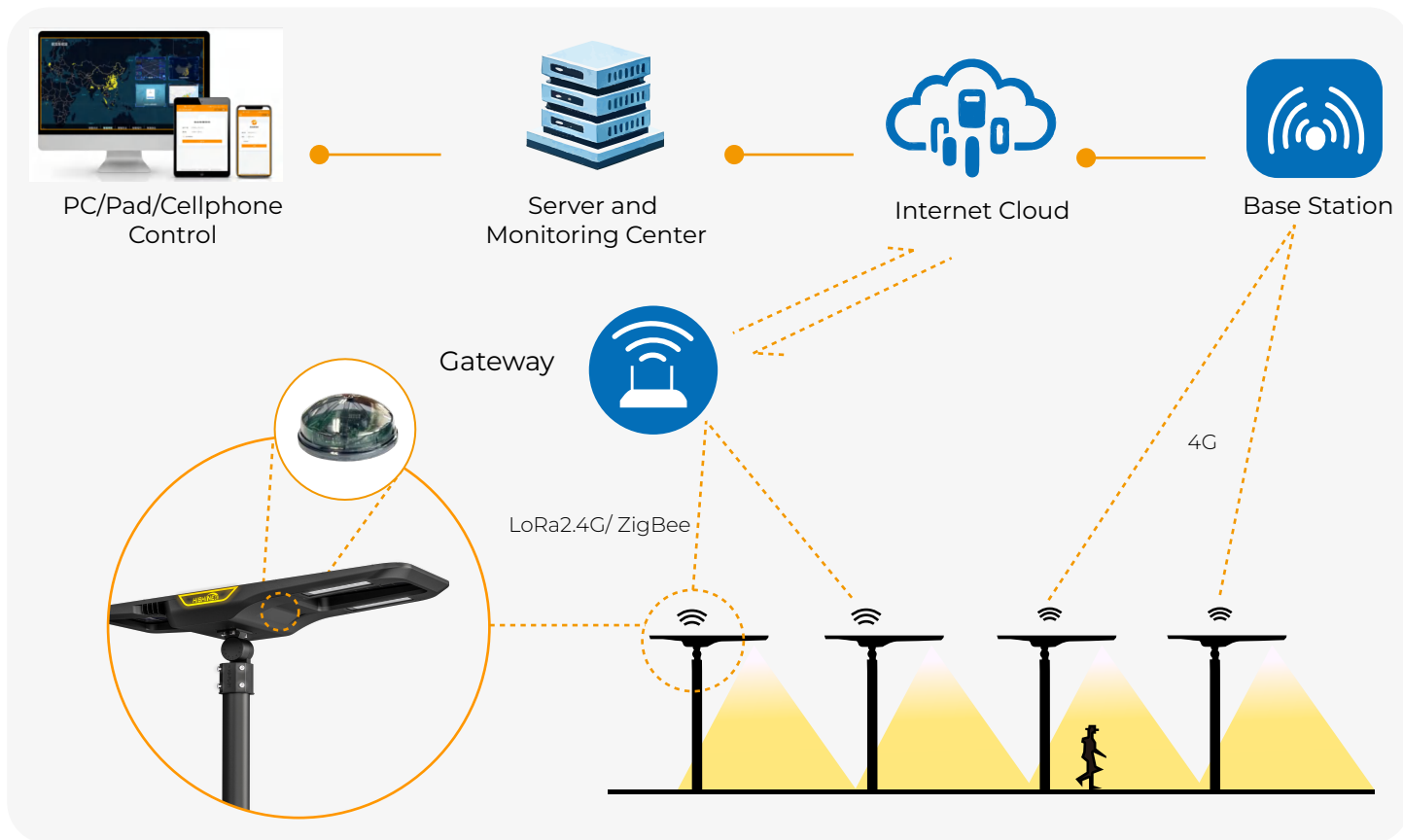


CONTACT US FOR MORE PROGRAM OPTIONS

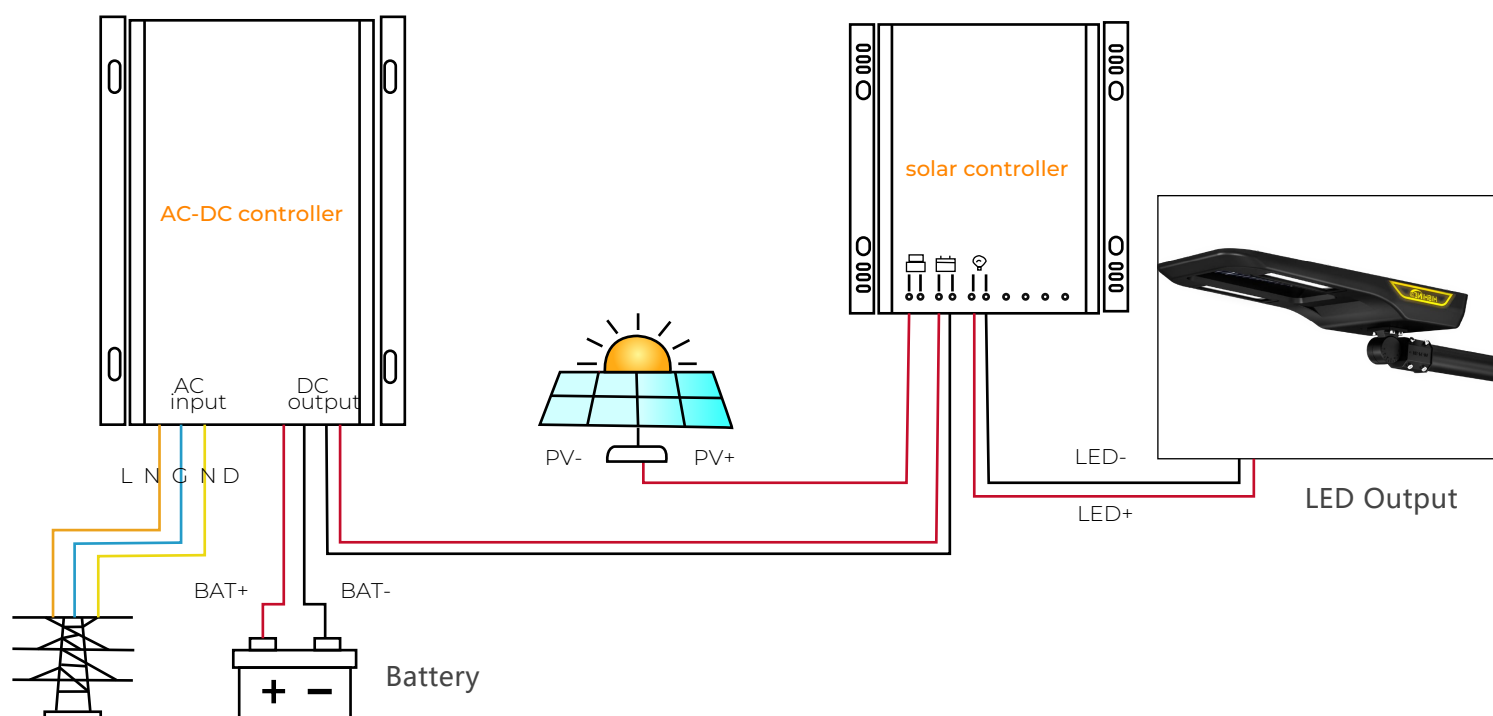


Smart City Solution (Option 3)

(LoRa /4G/ 2.4G/ ZigBee intelligent control)



Solar & Grid Hybrid System (Option 4)

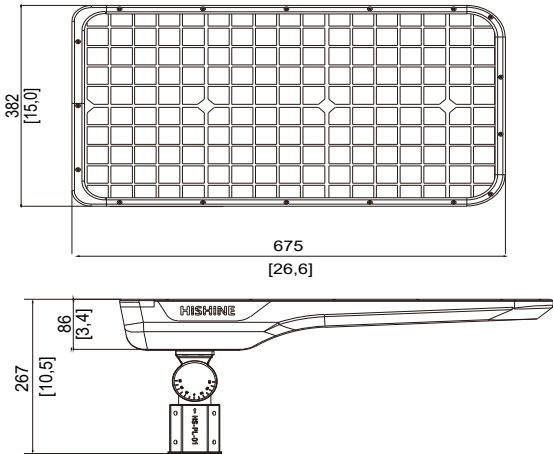


PRODUCT PARAMETERS

Model	Lumen (lm)	Diffuser	Solar panel	Capacity	N.W/pc(kg)	GW/pc(kg)	Carton size(CM)
HS-SSL30W-E	2400	Glass	35W/18V	96WH(3.2V)	8.3	9.4	74X44X16
HS-SSL40W-E	3000	Glass	35W/18V	144WH(3.2V)	8.4	9.7	74X44X16
HS-SSL60W-E	4000	Glass	35W/18V	144WH(3.2V)	8.5	9.7	74X44X16
HS-SSL80W-E	5000	Glass	45W/18V	192WH(3.2V)	8.8	9.9	74X44X16
HS-SSL100W-E	6,000	Glass	45W/18V	240WH(3.2V)	9.0	10.3	74X44X16



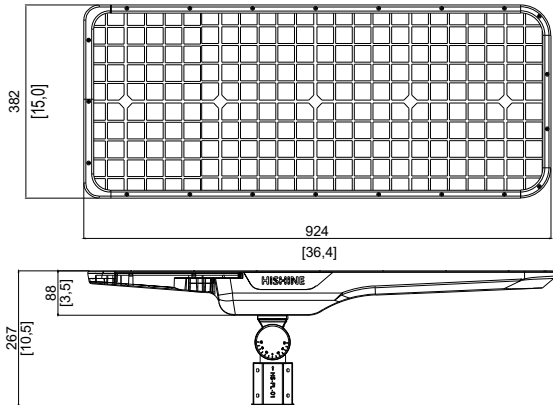
Product Size:675*382*86mm



Model	Lumen (lm)	Diffuser	Solar panel	Capacity	N.W/pc(kg)	GW/pc(kg)	Carton size(CM)
HS-SSL120W-E	8,000	Glass	65W/18V	336WH(3.2V)	11.3	12.5	98X44X16
HS-SSL150W-E	9,000	Glass	65W/18V	384WH(3.2V)	11.7	12.7	98X44X16



Product Size:924*382*88mm



EASY INSTALLATION

Easy Installation in 3 Simple Steps

1 Mount on the pole



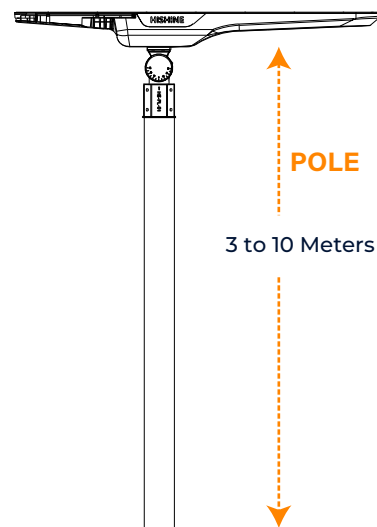
Place the light onto the pole and tighten the bolts to ensure a firm and stable installation.

2 Adjust and lock the angle



Adjust the angle to the optimal position and lock it in place for the best lighting performance.

3 Recommended Height



Recommended Pole Height: 3–10 m, suitable for low to medium pole installations.

Application Scenarios



City Roads



Parking & Residential



Community Streets



Pathways & Parks