



NOVALUX LIGHTING  
SOLAR STREET  
LIGHTING

THE MOST BEAUTIFUL  
FORM OF LIGHT



PRODUCT  
CATALOGUE

2024

novalux®  
LIGHTING

Art comes from life, design changes life.

Prototypes in life provide a steady stream of material for design  
and endless inspiration for designers.

The shapes of all objects, as simple as a circle, and as complex as  
geometric deformation or superposition, have created wonderful  
and exquisite products.

novalux®  
LIGHTING

Novatron®

[novalux.com.tr](http://novalux.com.tr)



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novalux®  
LIGHTING

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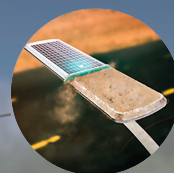
SOLAR STREET LIGHTING



# ABEL

SSL-72(H)/73(H)/74(H)  
SSL-75(H)/76(H)

4000LM~12000LM



AUTOMATIC CLEANING

## Preferred luminaire for urban main street lighting project automatic

- Unique strong design and wind resistant
- Automatic cleaning function of solar panel: antifreeze design, dustproof design, special function of sweeping dust and snow
- Sweep frequency can be customized
- Self-test by flashing indicator
- Support universal joint bracket, installation angle can be adjusted freely



Solar



ALS



Safety



IP65



TCS



Ray Sensor



Charging temperature



Working temperature



Heating Version

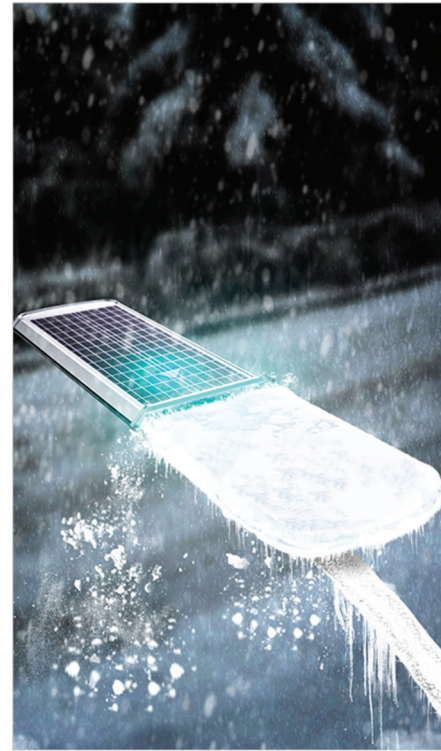
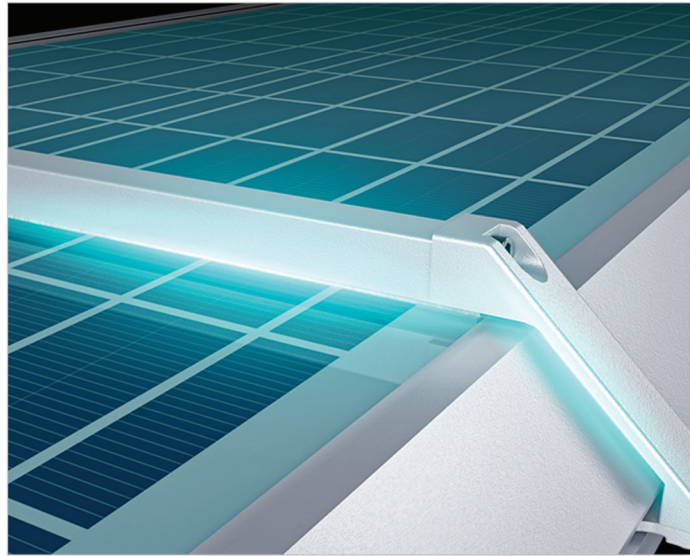


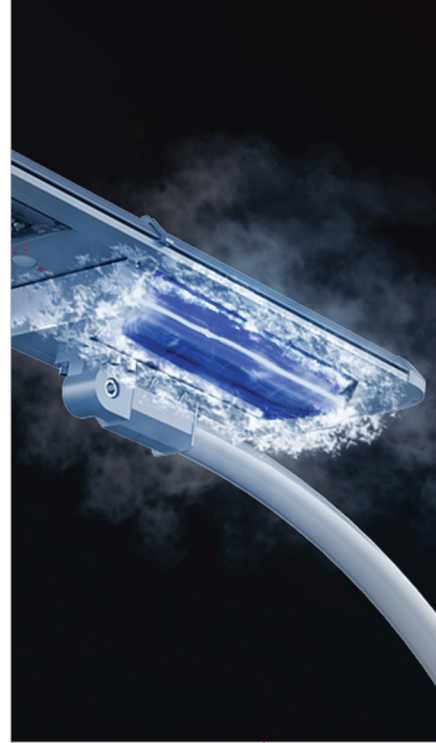
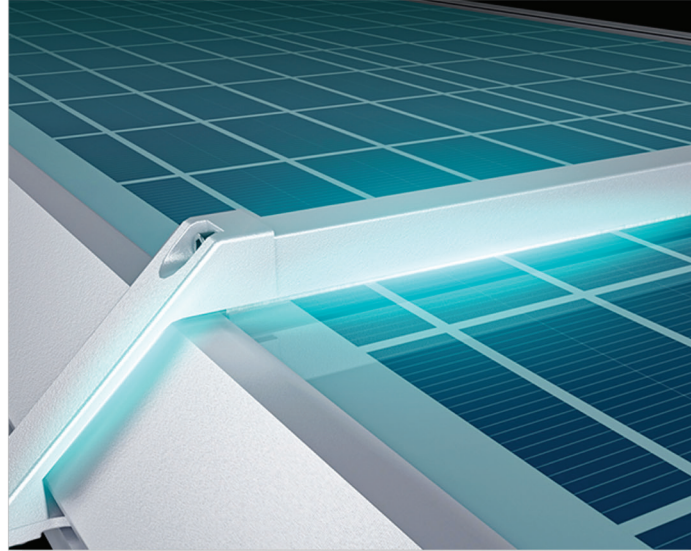
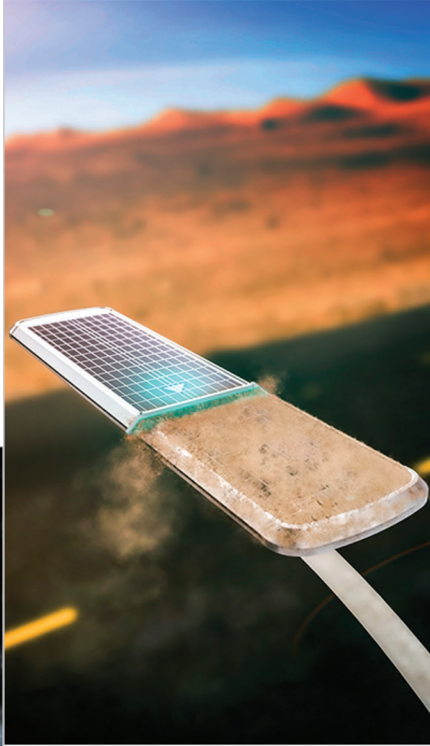
3 YEARS WARRANTY



# AUTOMATIC HEATING FUNCTION

Built-in heating system ensures the lamp working well in extreme cold area.



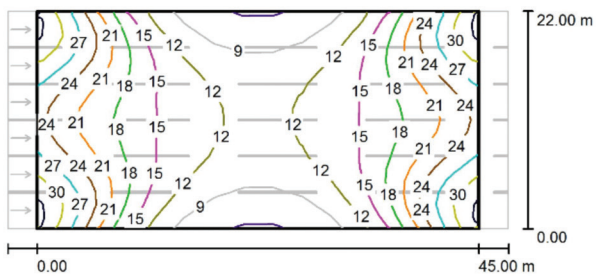


## HIGH-TEMPERATURE PROTECTION

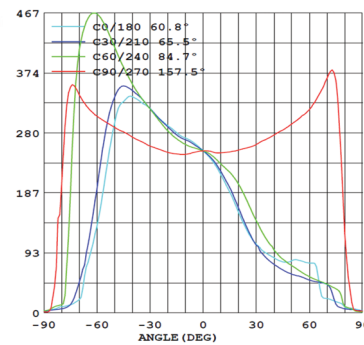
Battery Lifespan in high temperature area is longer as one feature will prevent battery still being charged at abnormal Hot environment.

ABEL	SSL-72(H)	SSL-73(H)	SSL-74(H)	SSL-75(H)	SSL-76(H)
<b>Light Brightness</b>	4000LM	6000LM	8000LM	10000LM	12000LM
<b>Solar panel</b>					
<b>Power</b>	35.7W / 16.2V	47.5W / 16.2V	61.4W / 16.2V	78.8W / 16.2V	95W / 16.2V
<b>Li-ion battery</b>					
<b>Capacity</b>	14.8V 269.36WH 2.6AH/PCS	14.8V 384.8WH 2.6AH/PCS	14.8V 538.72WH 2.6AH/PCS	14.8V 654.16WH 2.6AH/PCS	14.8V 769.6WH 2.6AH/PCS
<b>Charging / Discharging Temp</b>	0~45°C / -20~60°C				
<b>Charging Time</b>	8.2H	8.8H	9.6H	9H	8.8H
<b>LED (OSRAM)</b>	3030 / 96pcs	3030 / 144pcs	3030 / 192pcs	3030 / 240pcs	3030 / 336pcs
<b>Color Temp</b>	4000K, Ra>70				
<b>Efficiency</b>	230lm/W				
<b>Types of Lighting</b>	Type 4				
<b>Performance</b>					
<b>Lighting Time in Rainy day</b>	>10 Days				
<b>Control Mode</b>	100%(5H)+20% Till dawn				
<b>Lighting Mode</b>	100% (5H) + 20% Till dawn				
<b>Capacity Indication</b>	Charging: Capacity≤20%, LED1 flicker; 20%<Capacity≤40%, LED1 on and LED2 blinking; 40%<capacity≤60%, LED1 and LED2 bright, LED3 flash; 60%<Capacity≤95%, LED1, 2, and 3 are on, LED4 flash; Capacity>95%, all lights on; Discharge: capacity>80%, all lights on; 60%<power≤80%, LED1, 2, 3 ON, LED4 OFF; 20%<power≤60%, LED1, 2 bright, LED3/4 OFF; 5%<power≤20%, LED1 bright, LED2, 3, 4 OFF; Capacity<5%, indicator light OFF				
<b>FAS</b>	YES				
<b>Core technology</b>	ALS2.4				
<b>Solar Panel Autoclean</b>	YES				
<b>IP / IK Class</b>	IP65 / IK08				
<b>Pole</b>	φ60mm				
<b>Install Height / Distance</b>	4m / 18m	6m / 27m	8m / 36m	10m / 45m	12m / 54m
<b>Material</b>	Aluminium & PC				

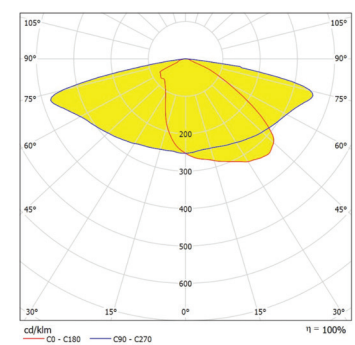
Road Simulated Diagram



Illumination Curve



Luminance Distribution



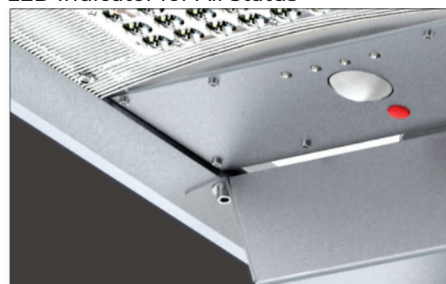




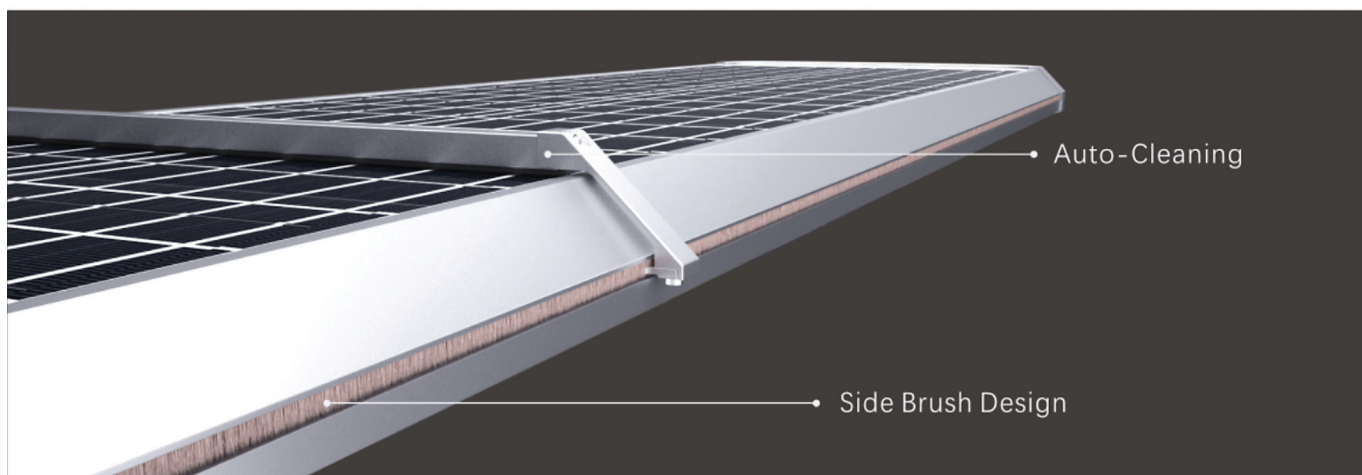
High Lumen LEDs 230lm/W



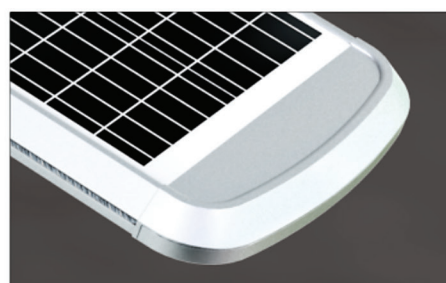
LED Indicator for All Status



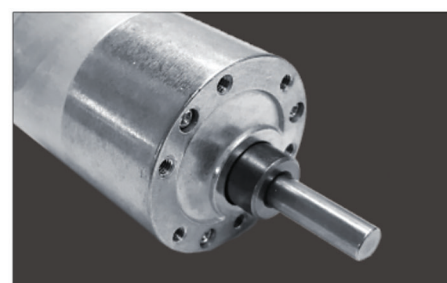
Bracket  
Adjustable Angle Bracket (0°~180°)



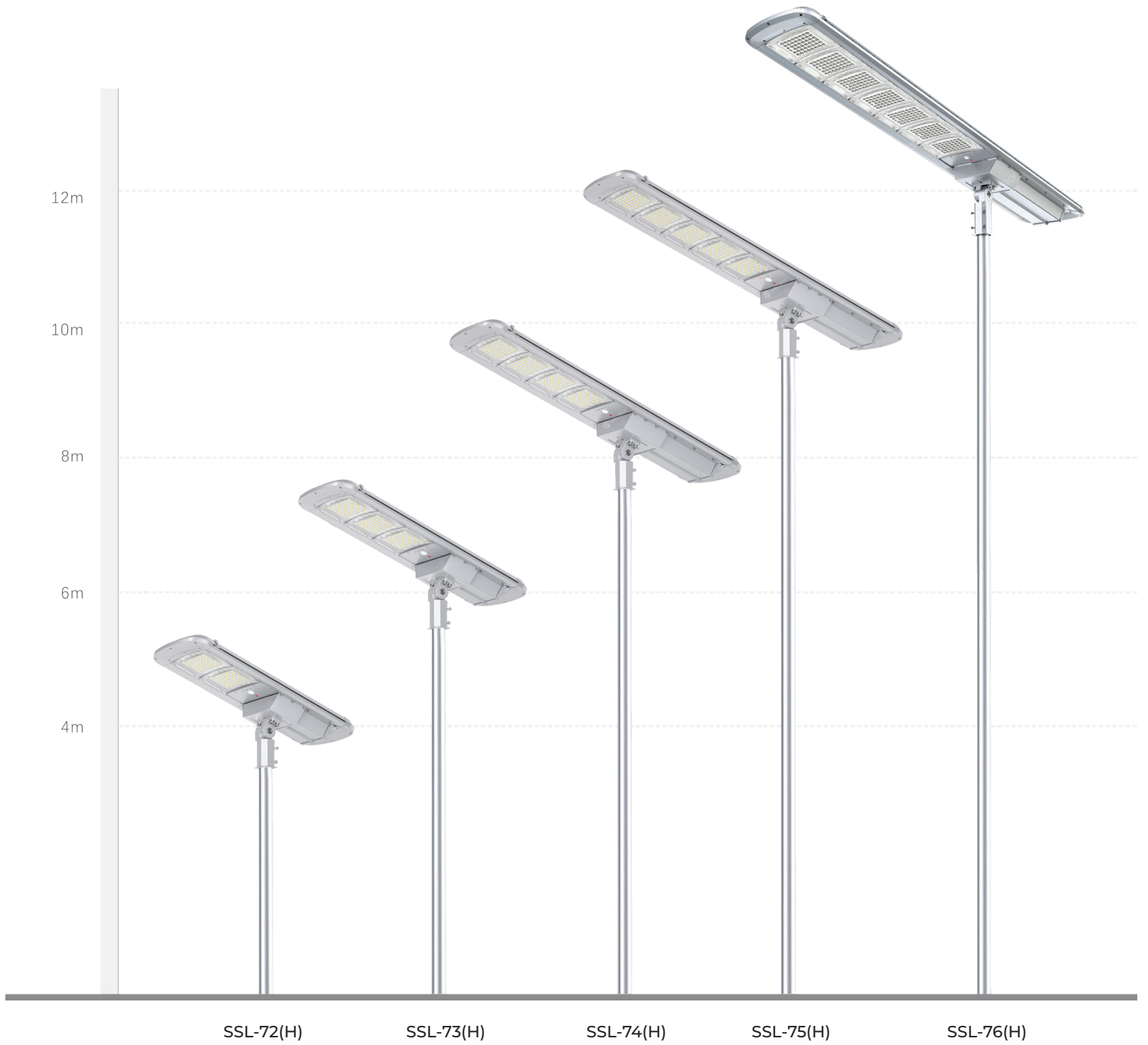
Battery Pack  
Easy to Maintain



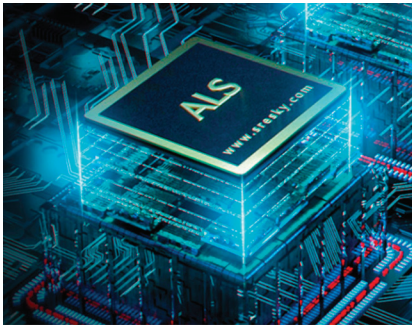
Monocrystalline  
Solar Charging Efficiency: >21%



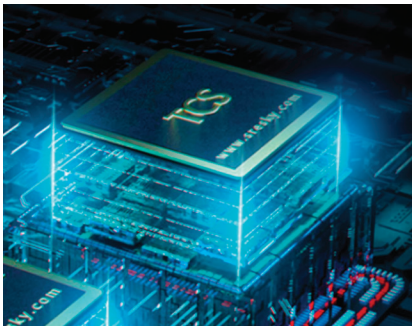
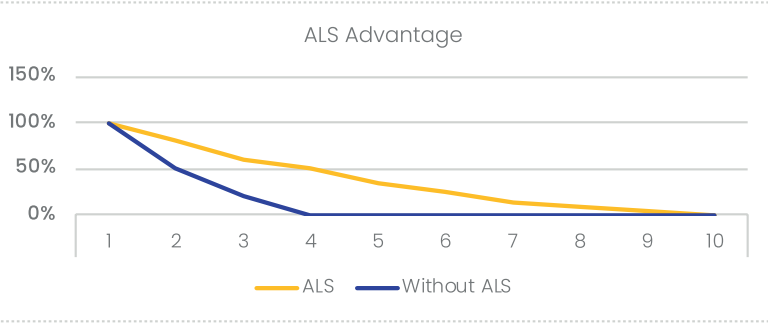
Volatility Resistance in High TEMP  
Antifreezing in Low TEMP



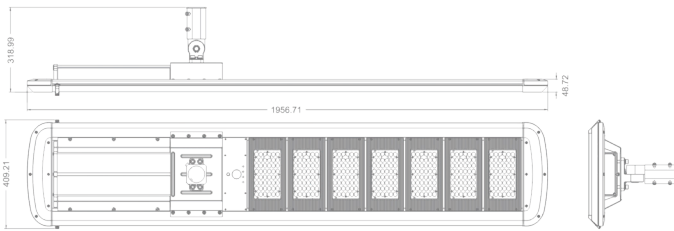
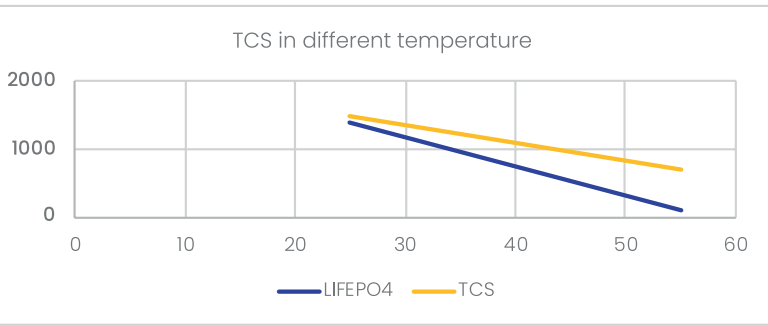




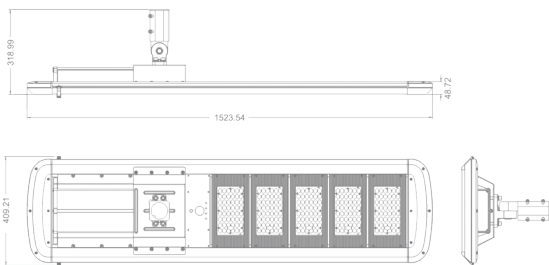
ADVANTAGE OF ALS



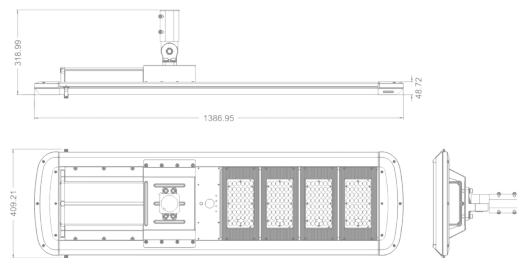
ADVANTAGE OF TCS



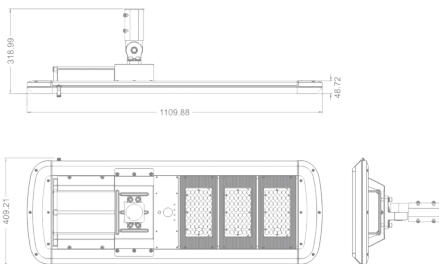
SSL-76(H)



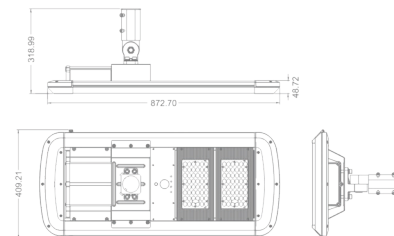
SSL-75(H)



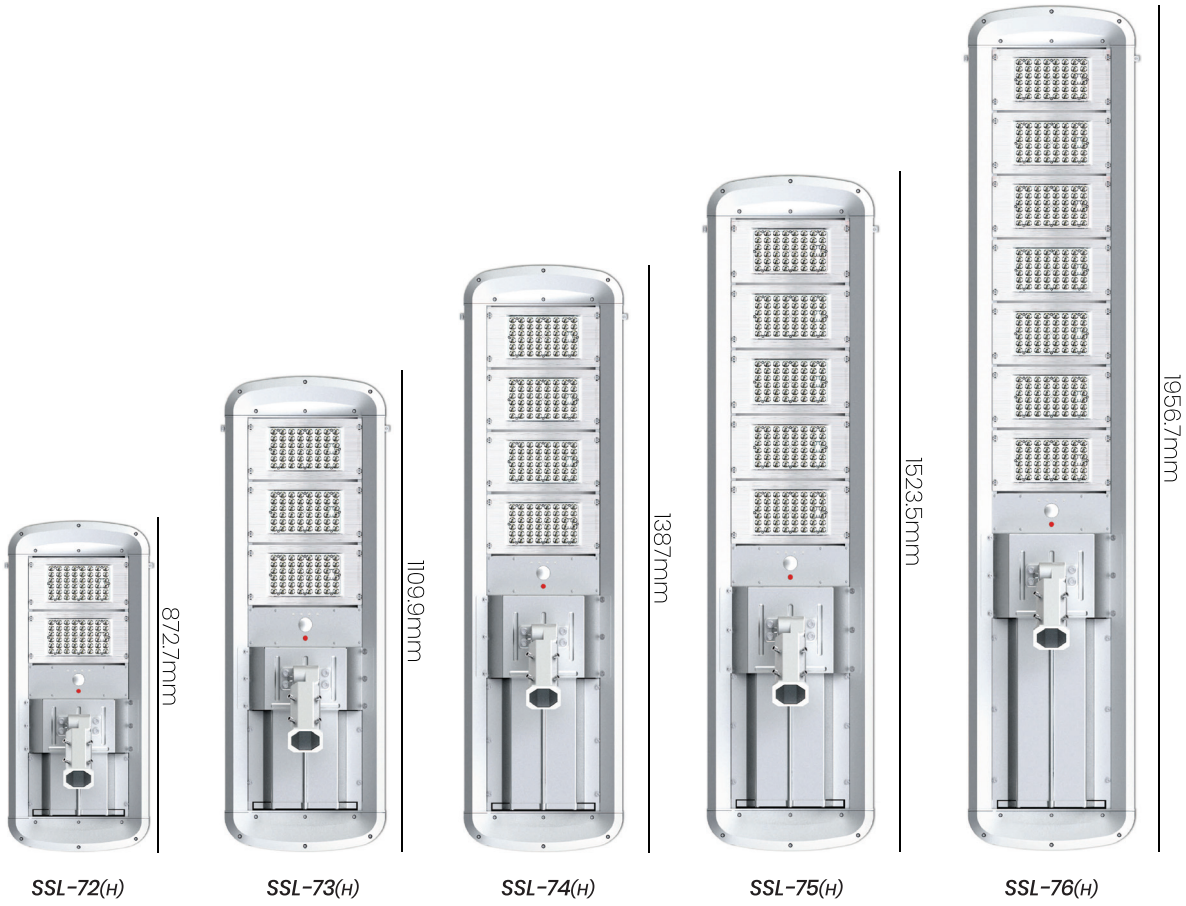
SSL-74(H)



SSL-73(H)



SSL-72(H)



Item	LED Lumens	Solar Panel	LED (OSRAM)	CCT	Battery	Lighting Mode	Charging Time
SSL-72(H)	4000LM	35.7W	3030, 96pcs	4000K	269.36WH	100% (5H) + 20% Till dawn	8.2H
SSL-73(H)	6000LM	47.5W	3030, 144pcs	4000K	384.8WH		8.8H
SSL-74(H)	8000LM	61.4W	3030, 192pcs	4000K	538.72WH		9.6H
SSL-75(H)	10000LM	78.8W	3030, 240pcs	4000K	654.16WH		9H
SSL-76(H)	12000LM	95W	3030, 336pcs	4000K	769.6WH		8.8H

# INNOVATING THE FUTURE OF SOLAR LIGHTING





novalux®  
LIGHTING

# SOLAR STREET LIGHTING



Long-distance Control



Fault Alarm



Intelligent Control

# CAPELLA

SSL-92/94/96  
SSL-98/912

2000LM~12000LM



## The most beautiful form of light.

- Unique strong design and wind resistant
- Automatic cleaning function of solar panel: antifreeze design, dustproof design, special function of sweeping dust and snow
- Sweep frequency can be customized
- Self-test by flashing indicator
- Support universal joint bracket, installation angle can be adjusted freely



Solar



ALS



Safety



IP65



TCS



Ray Sensor



Charging temperature



Working temperature



Heating Version



Warranty



# CREATE A NEW TREND OF STREET LIGHTS

Explore endless  
possibilities

Integrated aluminum frame is uniformly  
stressed. Super breakage resistant.  
No fear of harsh environments.



# A LAMP THAT MAKES THE CITY SO COOL

INNOVATING THE FUTURE  
OF SOLAR LIGHTING



## POWER LI-ION BATTERY

TCS technology for light can work well in  
High and low temperature





Beautiful craftsmanship,  
integrated frame,  
hurricane resistance.



## INNOVATIONS



### Automatic alarm

Auto detect and alarm the damaged components



### Scientific light distribution

High penetration Wide coverage



### Speed ODM service

Various customized production also for small orders



### ALS2.4 patented technology

Longer lighting time

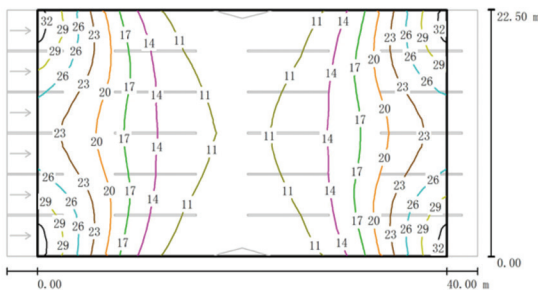


### Battery Temperature Control Technology (TCS)

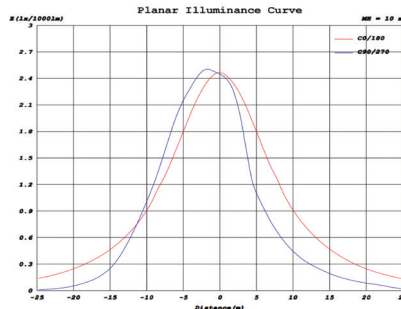
Protect the battery in high temperature and prolong the span life

CAPELLA	SIL-92	SIL-94	SIL-96	SIL-98	SIL-910	SIL-912
<b>Light Brightness</b>	2000LM	4000LM	6000LM	8000LM	10000LM	12000LM
<b>Solar panel</b>						
<b>Power</b>	37.5W	37.5W	60W	60W	75W	75W
<b>Li-ion battery</b>						
<b>Capacity</b>	14.8V 153.92WH 2.6AH/ PCS	14.8V 230.88WH 2.6AH/ PCS	14.8V 346.32WH 2.6AH/ PCS	14.8V 461.76WH 2.6AH/ PCS	14.8V 577.2WH 2.6AH/PCS	14.8V 692.64WH 2.6AH/ PCS
<b>Charging / Discharging Temp</b>	0~45°C / -20~60°C					
<b>Charging Time</b>	4.5H	6.7H	6.3H	8.4H	8.4H	10H
<b>LED (OSRAM)</b>	3030, 72pcs	3030, 72pcs	3030, 144pcs	3030, 144pcs	3030, 288pcs	3030, 288pcs
<b>Color Temp</b>	4000K,	4000K,	4000K,	4000K,	4000K,	4000K,
	Ra>70	Ra>70	Ra>70	Ra>70	Ra>70	Ra>70
<b>Efficiency</b>	230lm/W	230lm/W	230lm/W	230lm/W	230lm/W	230lm/W
<b>Types of Lighting</b>	Type 4S					
<b>Performance</b>						
<b>Lighting Time in Rainy day</b>	>10 Days					
<b>Control Mode</b>	APP Control					
<b>Lighting Mode</b>	100% 5H + 20% PIR till dawn					
<b>Capacity Indication</b>	4LEDs: >80%; 3LEDs: 60%~80%; 2LEDs: 30%~60%; 1LEDs: <30%; The 1st LED flashes quickly: Low power					
<b>PIR</b>	120°, 8m. Max					
<b>FAS</b>	Yes					
<b>Core technology</b>	ALS2.5					
<b>IP / IK Class</b>	IP65 / IK08					
<b>Pole</b>	φ60mm					
<b>Install Height / Distance</b>	3m / 15m	4m / 18m	6m / 27m	8m / 36m	10m / 45m	12m / 54m
<b>Material</b>	Aluminium & PC					
<b>Bluetooth</b>						
<b>APP</b>	ADELOT					
<b>Network distance</b>	30m					
<b>Maximum Network lamp quantity</b>	100					
<b>Mobile phone control distance</b>	30m					
<b>Antenna</b>	External					

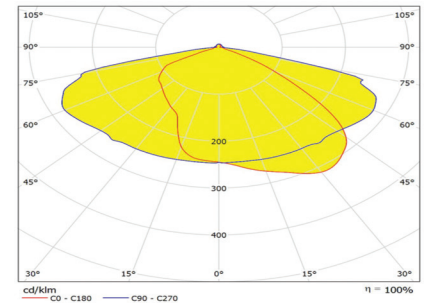
Road Simulated Diagram



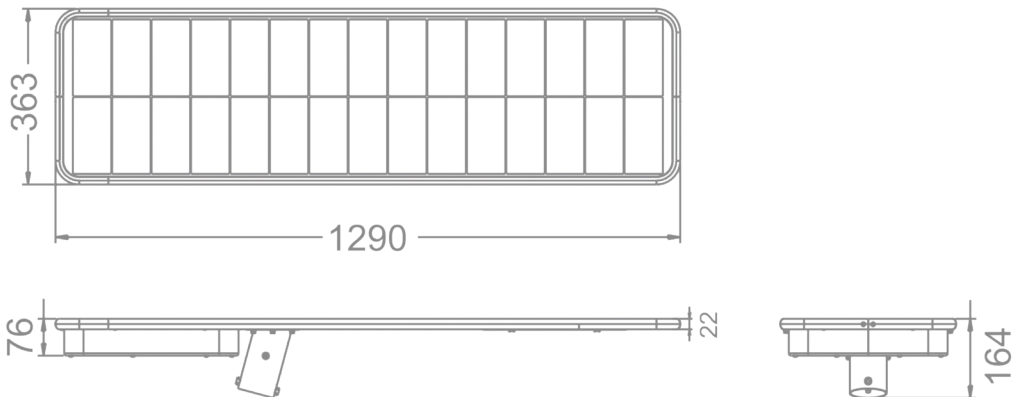
Illumination Curve



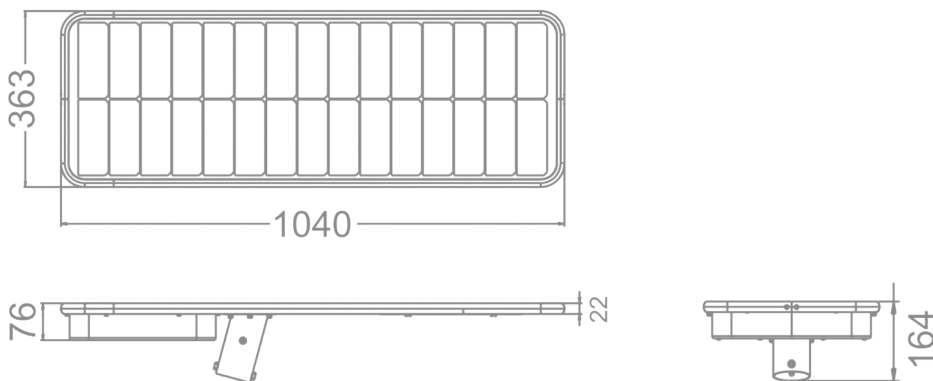
Luminance Distribution



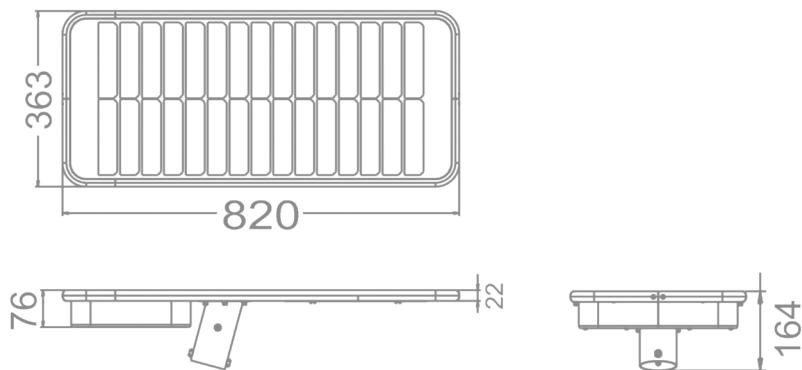
SSL-910/912



SSL-96/98

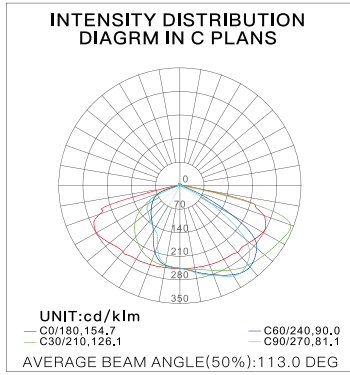


SSL-92/94

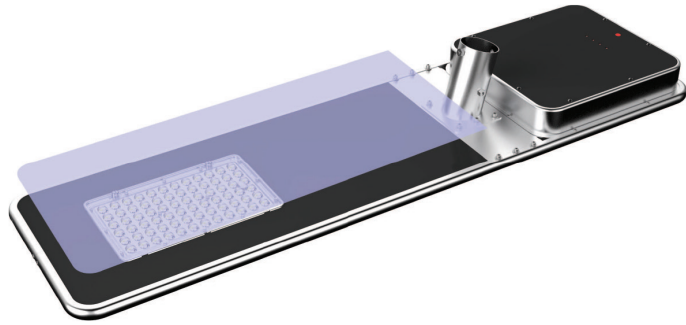


## Features

- Ultra thin design, only 22mm thickness
- Self-test by flashing indicator
- Optic distribution: Type IV, d/h=4:1



Lightng Distribution



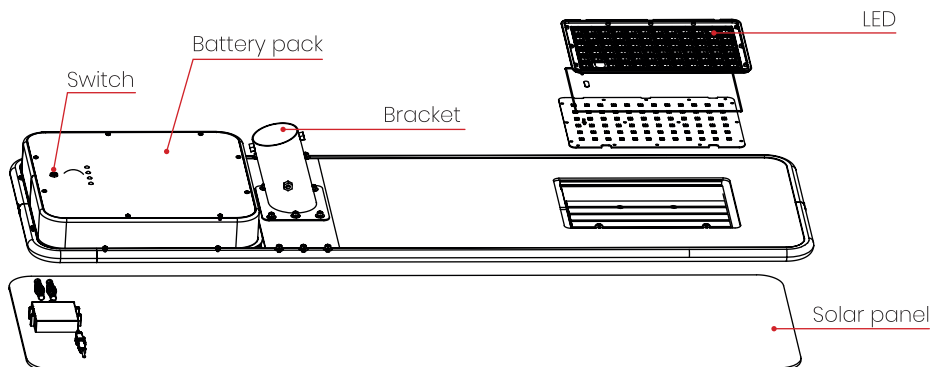
Explosion Proof Glass



For  $\Phi$ 60mm pole  
Rust Proof bracket



4 Parts Fault Alarm



## Detail Benefits

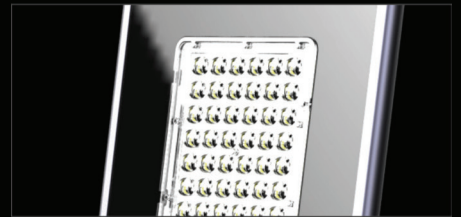
A Great Company should always pay the highest attention to every detail of design, and the craftsmanship spirit should be filled in the whole design process and mass production.



Monocrystalline: >21%



High lumen LEDs  
230lm/W

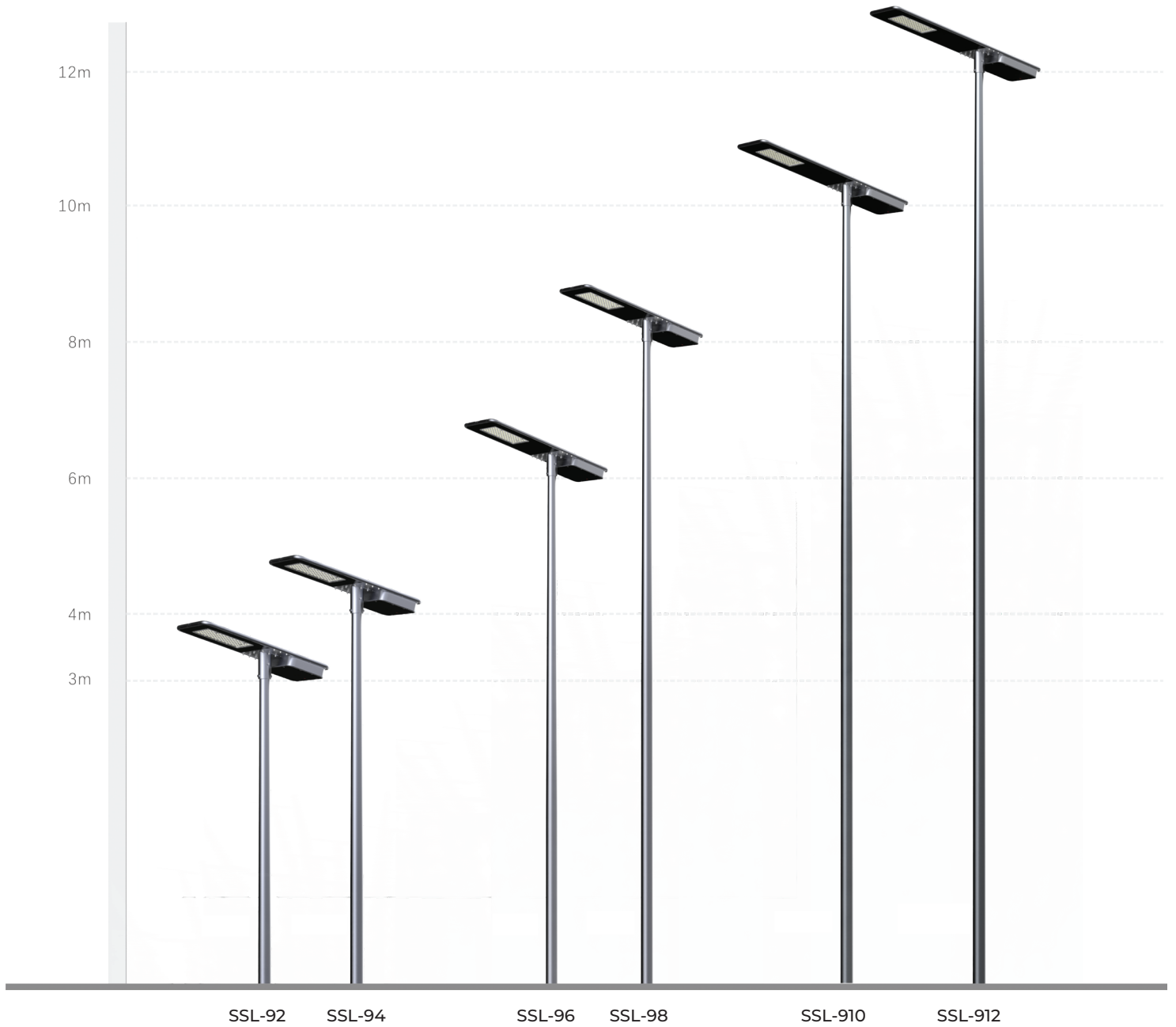


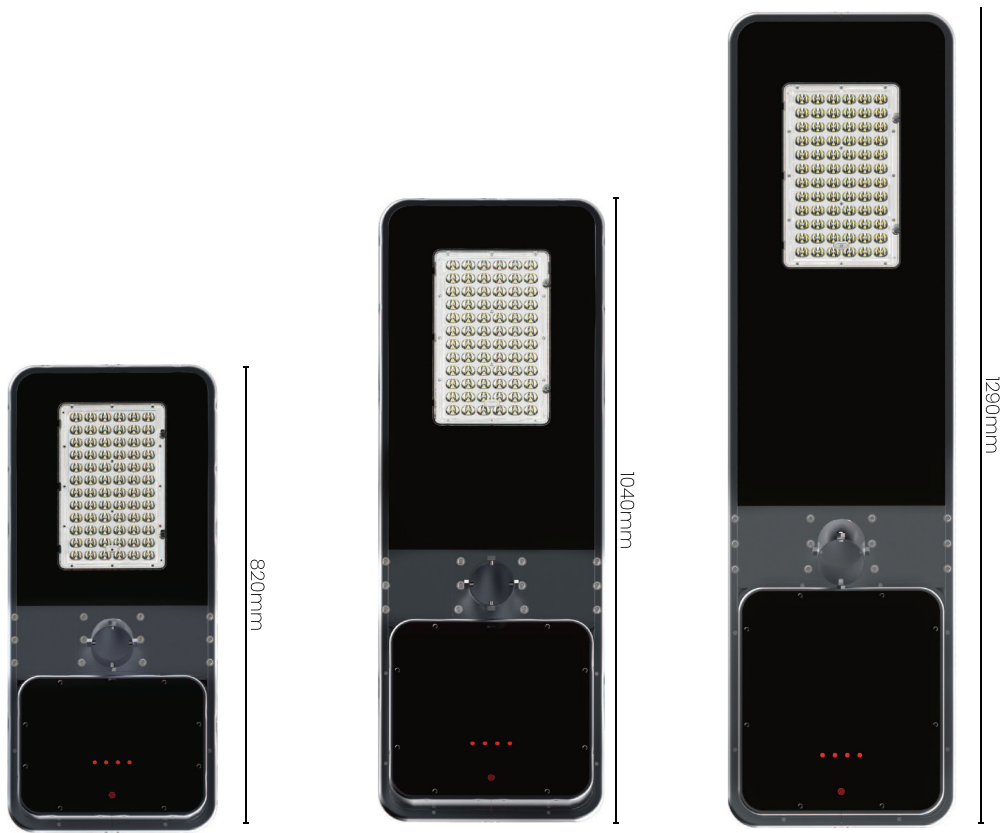
Bracket  
230lm/W



LED Indicator for All Status  
230lm/W







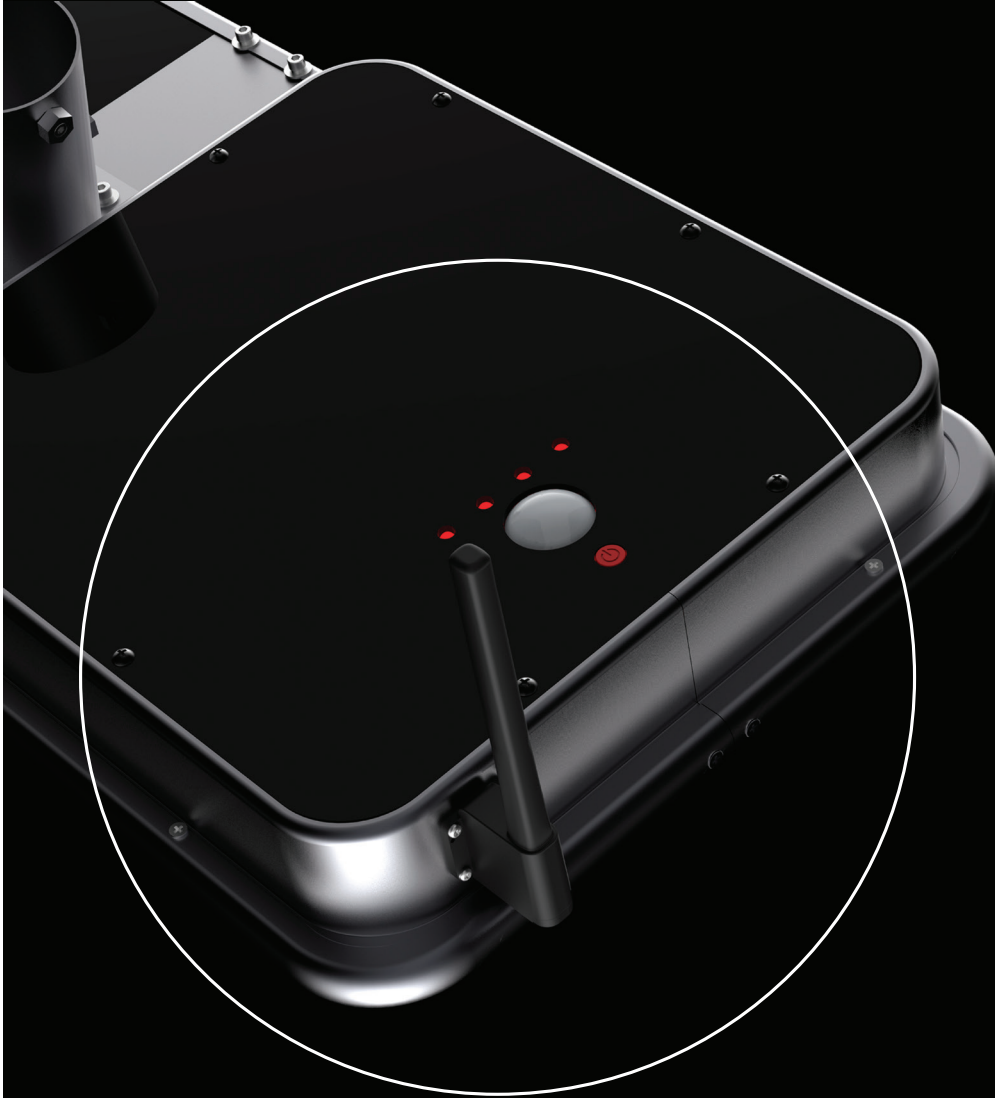
SSL-92(H) / SSL-94(H)

SSL-96(H) / SSL-98(H)

SSL-910(H) / SSL-912(H)

Item	LED Lumens	Solar Panel	LED (OSRAM)	CCT	Battery	Lighting Mode	Charging Time
SSL-92(H)	2000LM	37.5W	3030, 72pcs	4000K	153.92WH	100% (5H) + 20% Till dawn	4.5H
SSL-94(H)	4000LM	37.5W	3030, 72pcs	4000K	230.88WH		6.5H
SSL-96(H)	6000LM	60W	3030, 144pcs	4000K	346.32WH		6.3H
SSL-98(H)	8000LM	60W	3030, 144pcs	4000K	461.76WH		8.4H
SSL-910(H)	10000LM	75W	3030, 288pcs	4000K	577.2WH		8.4H
SSL-912(H)	12000LM	75W	3030, 288pcs	4000K	692.64WH		10H





### **POWER LI-ION BATTERY**

TCS technology for light can work well in High and low temperature



# CAPELLA REMOTE CONTROL

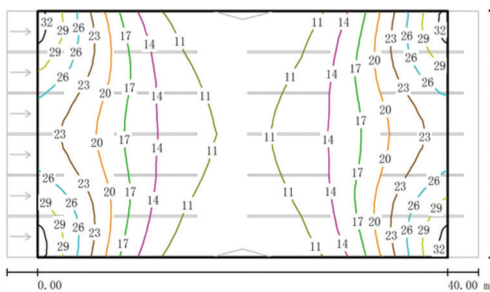
SSL-92/94/96  
SSL-98/912

2000LM~12000LM

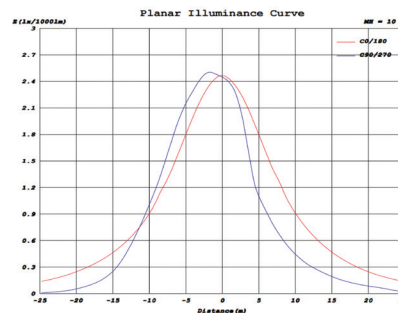


CAPELLA REMOTE	SIL-92	SIL-94	SIL-96	SIL-98	SIL-910	SIL-912
<b>Light Brightness</b>	2000LM	4000LM	6000LM	8000LM	10000LM	12000LM
<b>Solar panel</b>						
<b>Power</b>	37.5W	37.5W	60W	60W	75W	75W
<b>Li-ion battery</b>						
<b>Capacity</b>	14.8V 153.92WH 2.6AH/PCS	14.8V 230.88WH 2.6AH/PCS	14.8V 346.32WH 2.6AH/PCS	14.8V 461.76WH 2.6AH/PCS	14.8V 577.2WH 2.6AH/PCS	14.8V 692.64WH 2.6AH/PCS
<b>Charging / Discharging Temp</b>	0~45°C / -20~60°C					
<b>Charging Time</b>	4.5H	6.7H	6.3H	8.4H	8.4H	10H
<b>LED (OSRAM)</b>	3030, 72pcs	3030, 72pcs	3030, 144pcs	3030, 144pcs	3030, 288pcs	3030, 288pcs
<b>Color Temp</b>	4000K,	4000K,	4000K,	4000K,	4000K,	4000K,
	Ra>70	Ra>70	Ra>70	Ra>70	Ra>70	Ra>70
<b>Efficiency</b>	230lm/W	230lm/W	230lm/W	230lm/W	230lm/W	230lm/W
<b>Types of Lighting</b>	Type 4S					
<b>Performance</b>						
<b>Lighting Time in Rainy day</b>	>10 Days					
<b>Control Mode</b>	APP Control					
<b>Lighting Mode</b>	100% 5H + 20% PIR till dawn					
<b>Capacity Indication</b>	4LEDs: >80%; 3LEDs: 60%~80%; 2LEDs: 30%~60%; 1LEDs: <30%; The 1st LED flashes quickly: Low power					
<b>PIR</b>	120°, 8m. Max					
<b>FAS</b>	YES					
<b>Core technology</b>	ALS2.5					
<b>IP / IK Class</b>	IP65 / IK08					
<b>Pole</b>	φ60mm					
<b>Install Height / Distance</b>	3m / 15m	4m / 18m	6m / 27m	8m / 36m	10m / 45m	12m / 54m
<b>Material</b>	Aluminium & PC					
<b>Bluetooth</b>						
<b>APP</b>	ADELOT					
<b>Network distance</b>	30m					
<b>Maximum Network lamp quantity</b>	100					
<b>Mobile phone control distance</b>	30m					
<b>Antenna</b>	External					

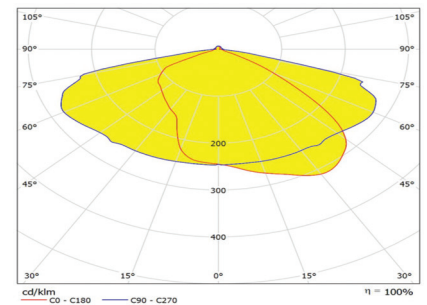
Road Simulated Diagram



Illumination Curve



Luminance Distribution





Monocrystalline: >21%



High lumen LEDs  
230lm/W



Bracket 230lm/W



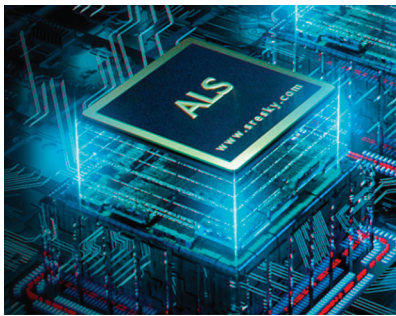
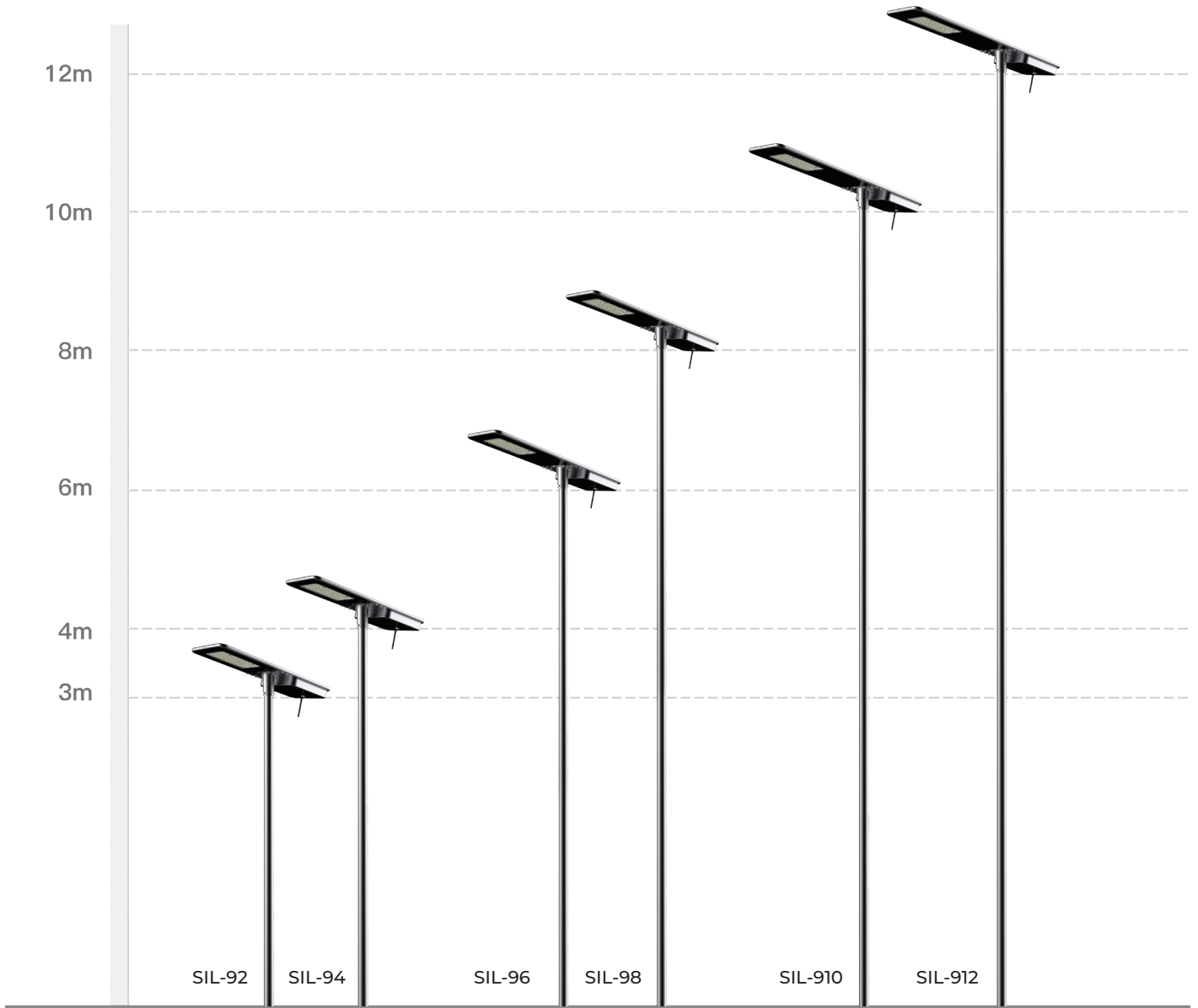
LED Indicator for All Status



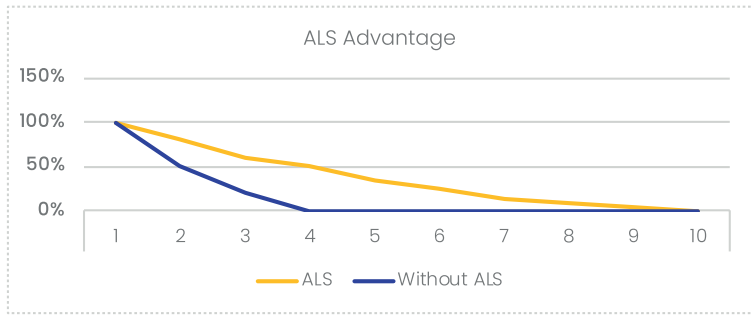
Bluetooth Antenna



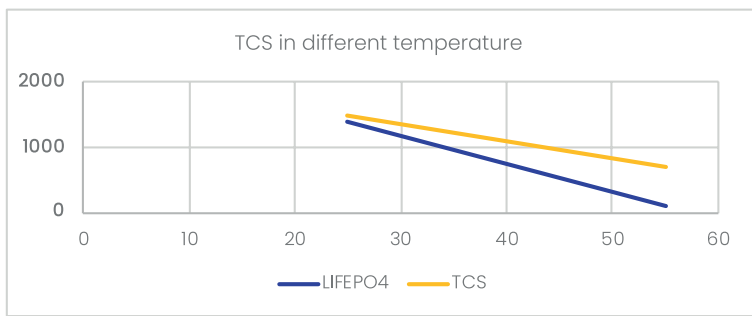


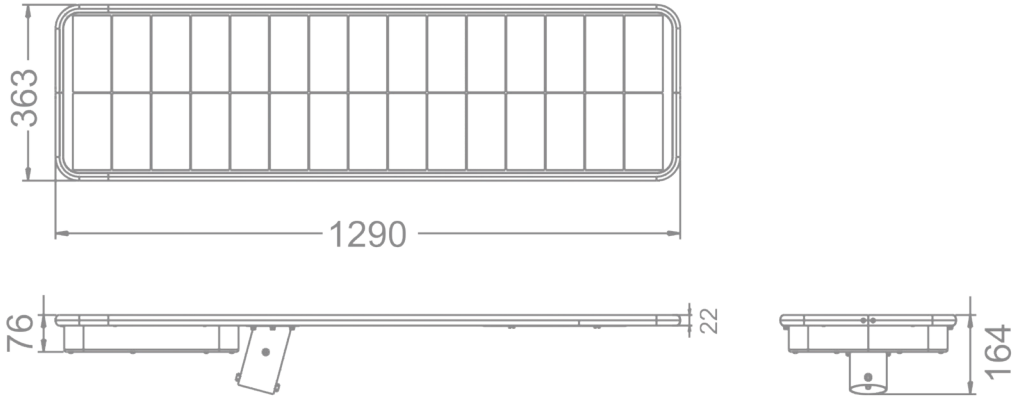


ADVANTAGE OF ALS

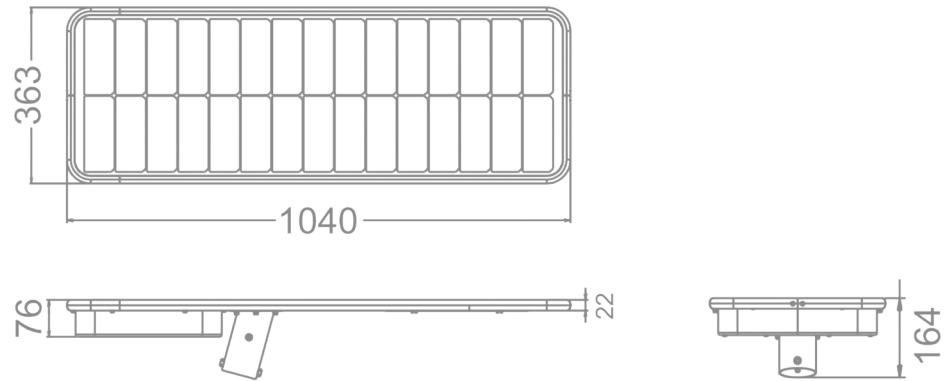


ADVANTAGE OF TCS

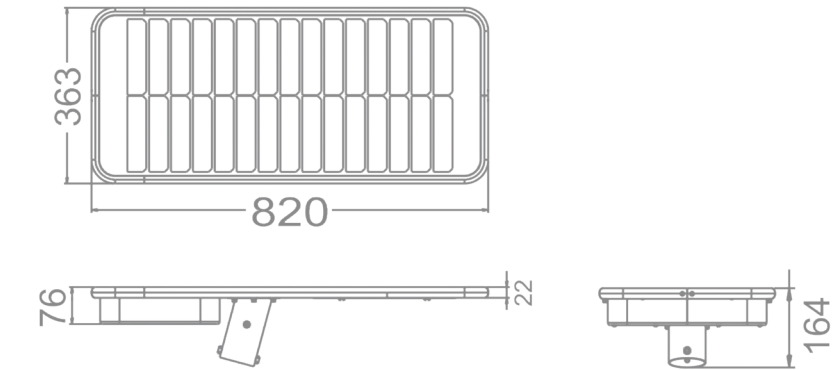




SSL-96/98



SSL-92/94



novalux®  
LIGHTING

---

# SOLAR STREET LIGHTING



# MESSIER

SSL-32M/34M/36M  
SSL-38M/310M

2000LM~10000LM



## Harness the power of sunlight

- Classic Design, involved in many countries government procurement list.
- Upgraded to V3 version, more stable and more durable.
- 3 lighting modes to meet different installation areas



Solar



ALS



Safety



IP65



TCS



Ray Sensor



Charging temperature



Working temperature



Heating Version



Warranty





## 10 CLOUDY DAYS STILL LIGHTING

BMS technology speeds up the battery charging over 30%;

Never stop lighting with New HI-technology-ALS 2.3 Up to 10 rainy or cloudy days.

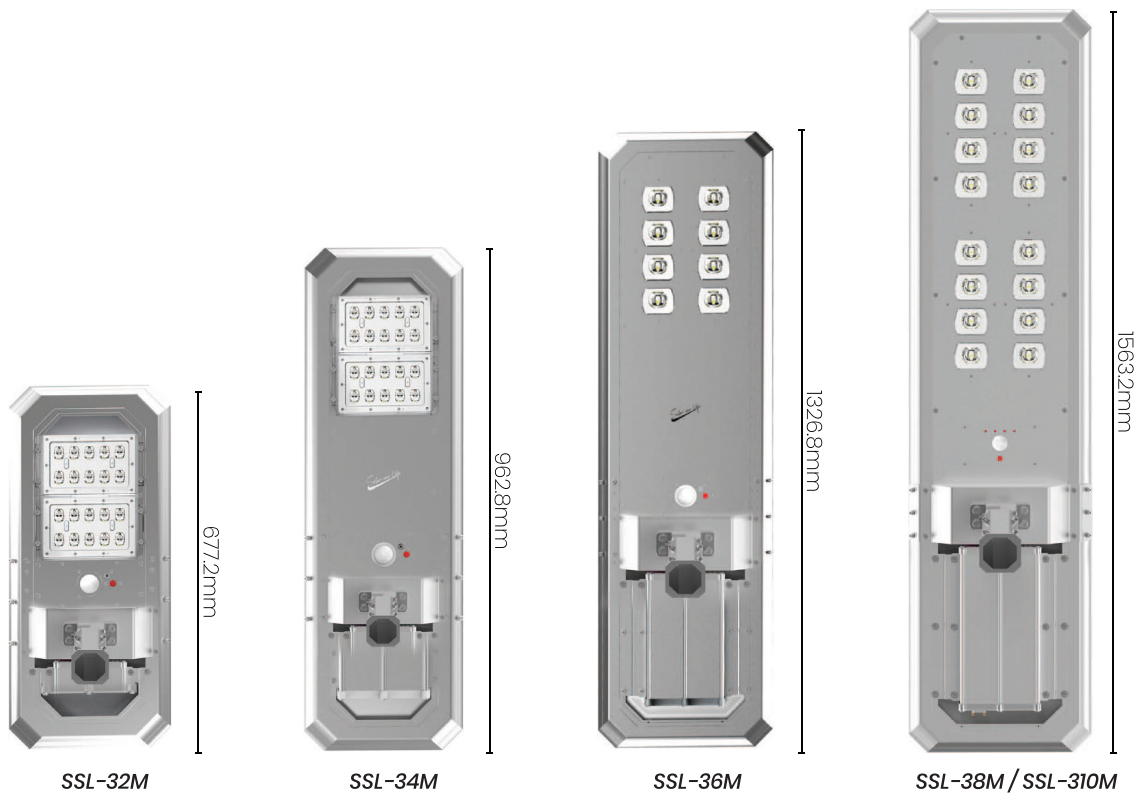
Powerful Lithium battery with 1500 cycles, widely used in new-energy car.

4 Intelligent Core Technology broke the bottleneck of short working time of solar lights in rainy/cloudy days, and realized 100% lighting throughout the year.

Each part can be replaced on the pole directly, save maintenance costs.







SSL-32M

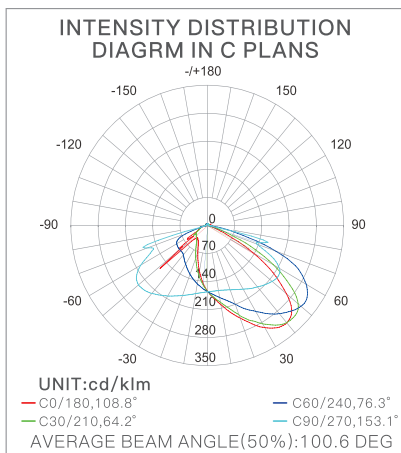
SSL-34M

SSL-36M

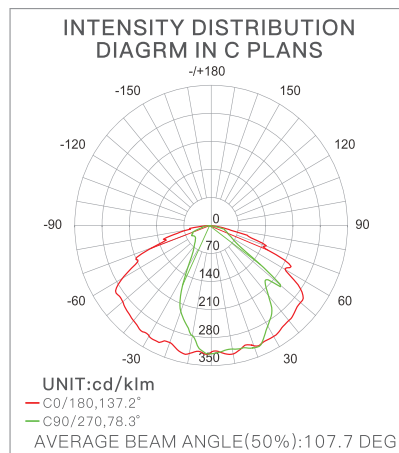
SSL-38M / SSL-310M

Item	LED Lumens	Solar Panel	LED (OSRAM)	CCT	Battery	Lighting Mode	Charging Time
SSL-32M	2000LM	25W	3030, 20pcs	5700K	153.92WH	M1: 30% + PIR M2: 100%(5H) + 25%(PIR)(5H) + 70% M3: 70% Till dawn	6.7H
SSL-34M	4000LM	37.5W	3030, 40pcs	5700K	269.36WH		7.8H
SSL-36M	6000LM	60W	3030, 80pcs	5700K	423.28WH		7.7H
SSL-38M	8000LM	75W	3030, 160pcs	5700K	577.2WH		8.4H
SSL-310M	10000LM	75W	3030, 160pcs	5700K	692.64WH		10H

MESSIER	SSL-32M	SSL-34M	SSL-36M	SSL-38M	SSL-310M
<b>Light Brightness</b>	2000LM	4000LM	6000LM	8000LM	10000LM
<b>Solar panel</b>					
<b>Power</b>	25W	37.5W	60W	75W	75W
<b>Li-ion battery</b>					
<b>Capacity</b>	14.8V 153.92WH 2.6AH/PCS	14.8V 269.36WH 2.6AH/PCS	14.8V 423.28WH 2.6AH/PCS	14.8V 577.2WH 2.6AH/PCS	14.8V 692.64WH 2.6AH/PCS
<b>Charging / Discharging Temp</b>	0~45°C / -20~60°C				
<b>Charging Time</b>	6.7H	7.8H	7.7H	8.4H	10H
<b>LED (OSRAM)</b>	3030, 20pcs	3030, 40pcs	3030, 80pcs	3030, 160pcs	3030, 160pcs
<b>Color Temp</b>	5700K, Ra>70	5700K, Ra>70	5700K, Ra>70	5700K, Ra>70	5700K, Ra>70
<b>Efficiency</b>	230lm/W	230lm/W	230lm/W	230lm/W	230lm/W
<b>Types of Lighting</b>	Type 2				
<b>Performance</b>					
<b>Lighting Time in Rainy day</b>	>10 Days				
<b>Control Mode</b>	Button Switch, ON/OFF Long Press 1.5s				
<b>Lighting Mode</b>	M1: 30% (PIR) till dawn M2: 100% (5H) + 25% (5H) (PIR) + 70% till dawn M3: 70% till dawn,				
<b>Mode Indication</b>	M1: red light, M2: green light, M3 orange light (press the button to switch between M1 (red), M2 (green), M3 (orange); 5S after mode indicates is power indicator				
<b>Capacity Indication</b>	Green: ≥70%; Orange: 30%~70%; Red: <30%				
<b>Core technology</b>	ALS2.2				
<b>PIR</b>	120°, 8m.Max				
<b>IP / IK Class</b>	IP65 / IK08				
<b>Install Height / Distance</b>	3m / 15m	4m / 15m	6m / 22m	8m / 28m	10m / 32m
<b>Material</b>	Aluminium & PC				



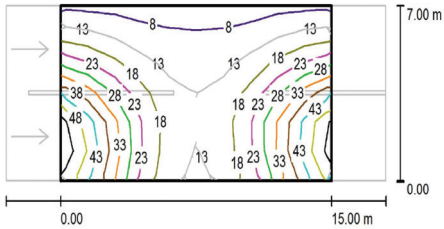
SSL-32M/SSL-34M



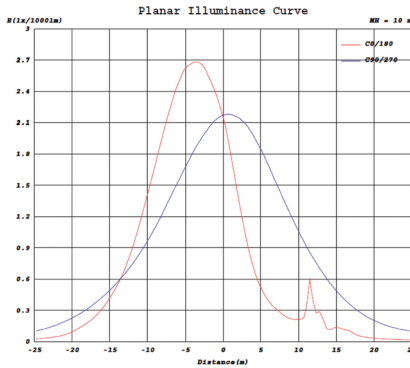
SSL-36M/SSL-38M/SSL-310M

### SSL-32M/34M

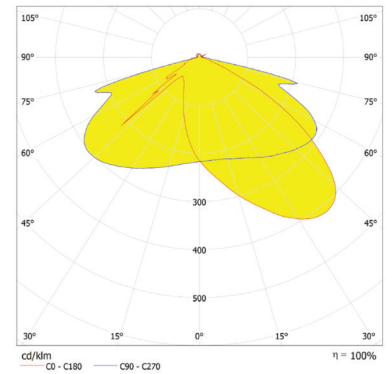
Road Simulated Diagram



Illumination Curve

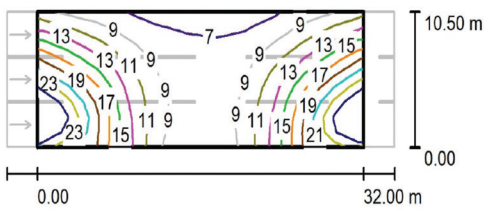


Luminance Distribution

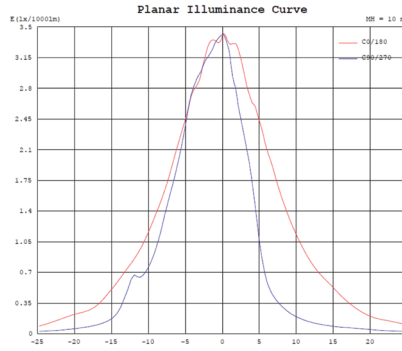


### SSL-36M/38M/310M

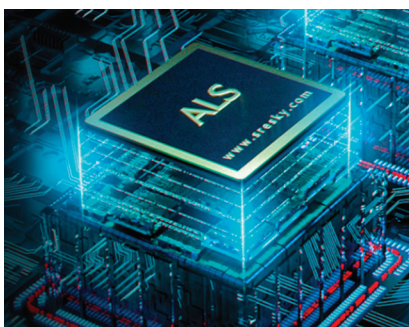
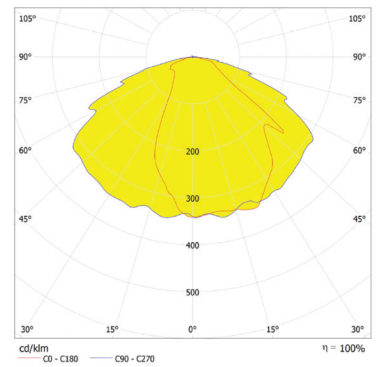
Road Simulated Diagram



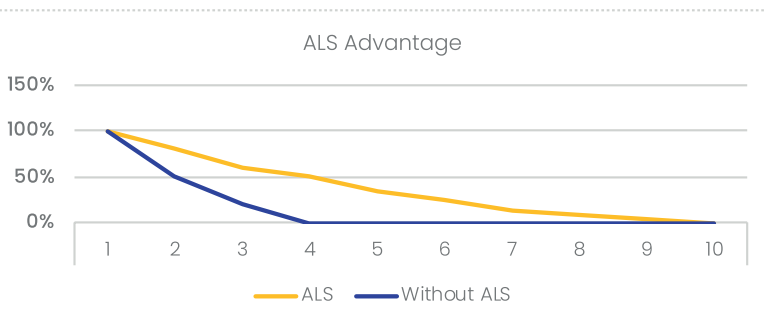
Illumination Curve



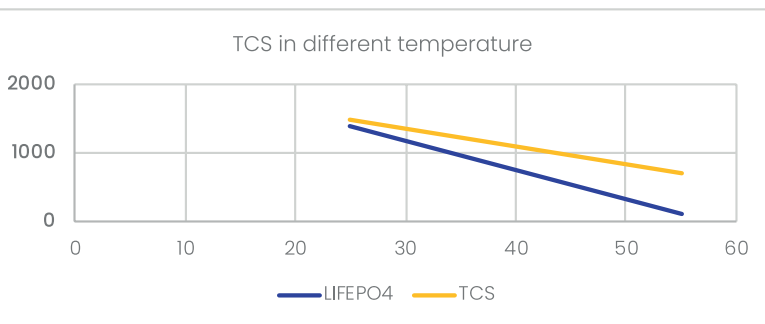
Luminance Distribution



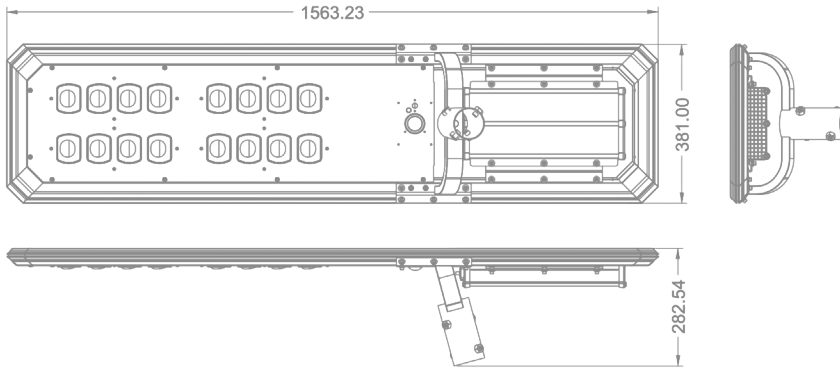
ADVANTAGE OF ALS



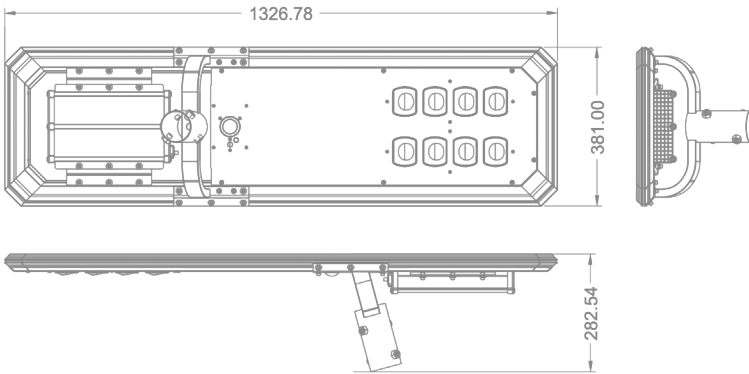
ADVANTAGE OF TCS



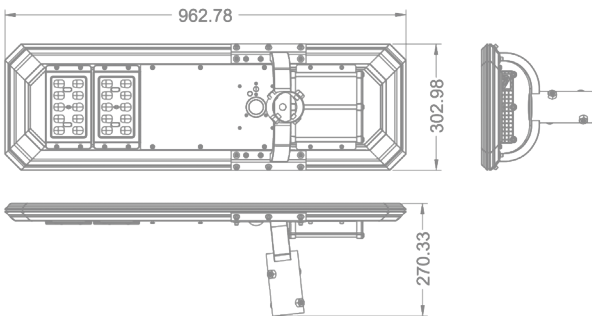
SSL-38M/310M



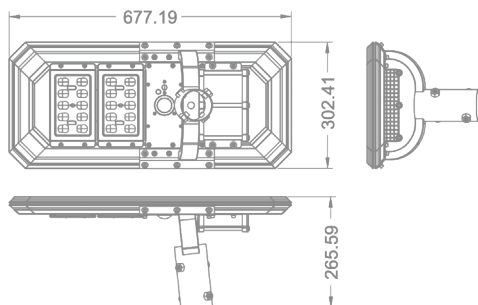
SSL-36M

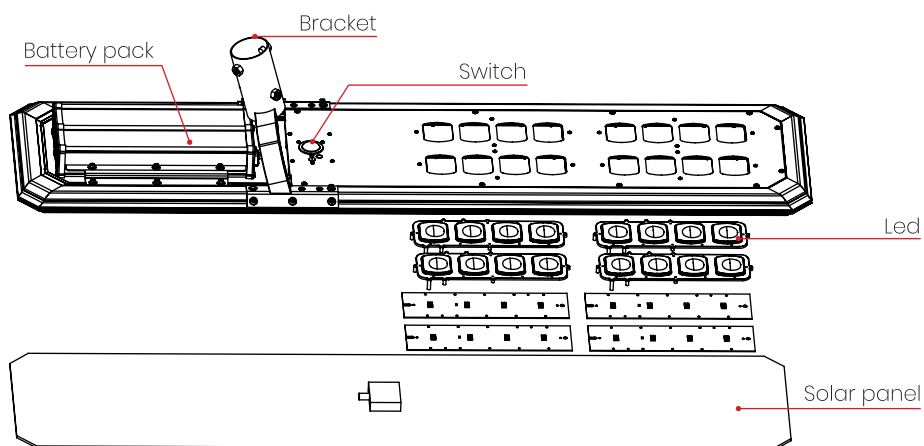


SSL-34M

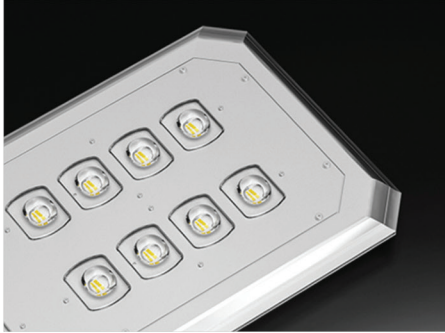


SSL-32M

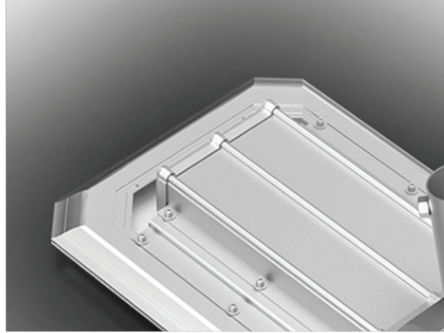




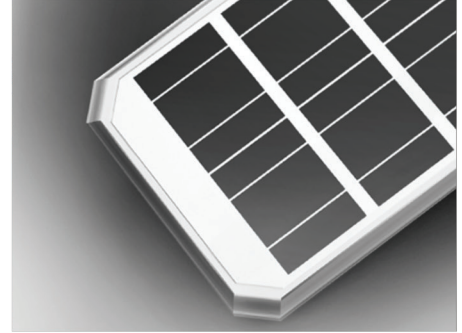




High Lumen LEDs 230lm/W



Battery Pack  
Easy to Maintain



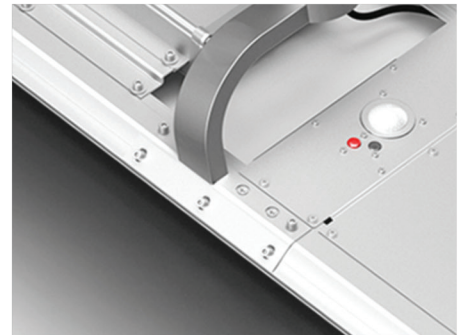
Monocrystalline  
Solar Charging Efficiency: >21%



High Lumen LEDs 230lm/W



Bracket  
Double Protection for Rust-Proof



High Sensitivity PIR Sensor



For  $\varnothing$ 60mm pole  
Rust Proof bracket



Battery Pack  
Easy to Maintain







novalux®

LIGHTING

SOLAR STREET LIGHTING

# KOMET

AAL-02

3000LM



## Solar area light

The design meet the needs of “dark sky” to reduce light pollution, without destroying the lighting and decoration effect to combine lighting with the environment.





Adjust the light according to weather's change, warm light has strong penetration in fog and rainy days to reduce the traffic accident and white light is more brighter in clear weather.



Warm light 3000K



Cold light 5700K

## Stronger Than You Think

Die-cast aluminum body with C4H marine grade painting finished, after many years corrosion by seawater or rain will still not change the original color.



Die cast aluminum  
+Panlite PC



C4H Marine corrosion  
resistance



Impact resistance  
IK10



IP66 Water  
resistance





## Dark Sky Design

The design meet the needs of "dark sky" to reduce light pollution, without destroying the lighting and decoration effect to combine lighting with the Environment.



## Fault Alarm System (FAS Technology)

Quickly Help Users Identify Which Component Of The Solar Panel, Battery, LED Light Board, Or PCBA Board Has Problem By Patent FAS Technology.

## Various Installation Methods

Can be powered by external AC or solar panel



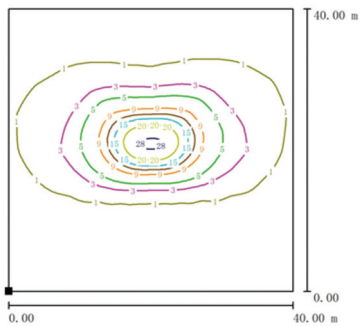




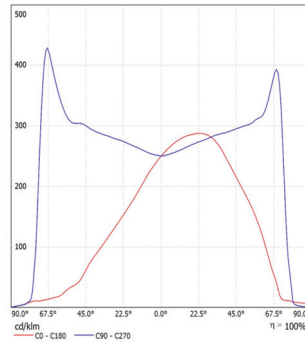


KOMET	AAL-02
<b>Solar Panel Voltage / Power</b>	16.2V / 30W
<b>Li-ion Battery</b>	
<b>Capacity / Voltage / Power</b>	20AH / 14.8V / 296WH
<b>Charging / Discharging Temp</b>	0~45°C / -20~60°C
<b>LED</b>	
<b>Luminous Flux</b>	5000LM
<b>LED Package /Quantity</b>	Osram 3030 / 180pcs
<b>Color Temperature(CCT)</b>	3000K(90pcs)+5700K(90pcs)
<b>Performance</b>	
<b>Rainy Days Backup</b>	>10 Days
<b>Default Lighting Mode</b>	100% 3000K 5H +20% 3000K PIR until dawn
<b>Battery Indicator</b>	Every time turned on the lam20% ≤ battery indicator <40%, LED 1 constant brightness LED2 flash;p or switchover from day to night, the battery indicator lighting up aftermodel indicator turn on 5 seconds. Battery indicator < 20%,LED 1 flash; 20% ≤ battery indicator <40%, LED 1 constant brightness LED2 flash; 40% ≤battery indicator <60%,LED 1-2 constant brightness LED3 flash; 60% ≤ battery indicator < 80%,LED 1-3 constant brightness LED4 flash; battery indicator ≥ 80%,LED 1-4 constant brightness.
<b>PIR</b>	120°>8m
<b>Core Technology</b>	ALS 2.5 / TCS 3.0 / FAS
<b>IP/IK/Anti-Corrosion</b>	IP66 / IK10 / C4H
<b>Install Height MAX</b>	6m
<b>Install distance.Max/Lane</b>	24m
<b>Lighting Area (m²)</b>	150m²
<b>Button Switch</b>	ON/OFF: Long Press 1.5s; Reset: Long press 6S
<b>Install Height / Distance.Max</b>	3m / 10m
<b>Material</b>	Aluminum + Panlite PC

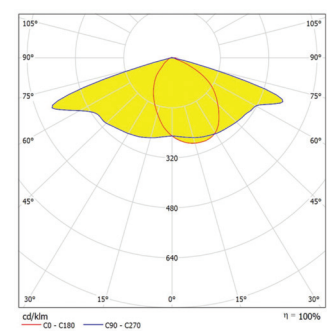
Road Simulated Diagram

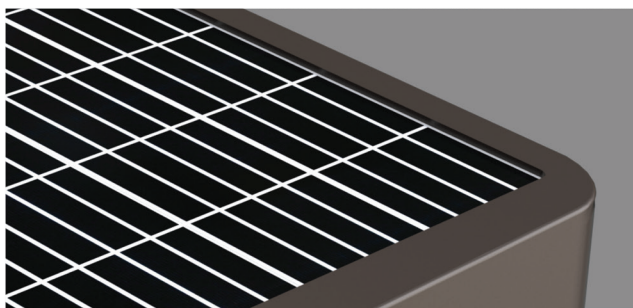


Illumination Curve

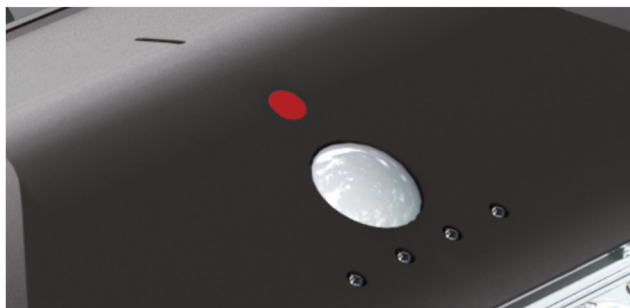


Luminance Distribution





Monocrystalline >21%



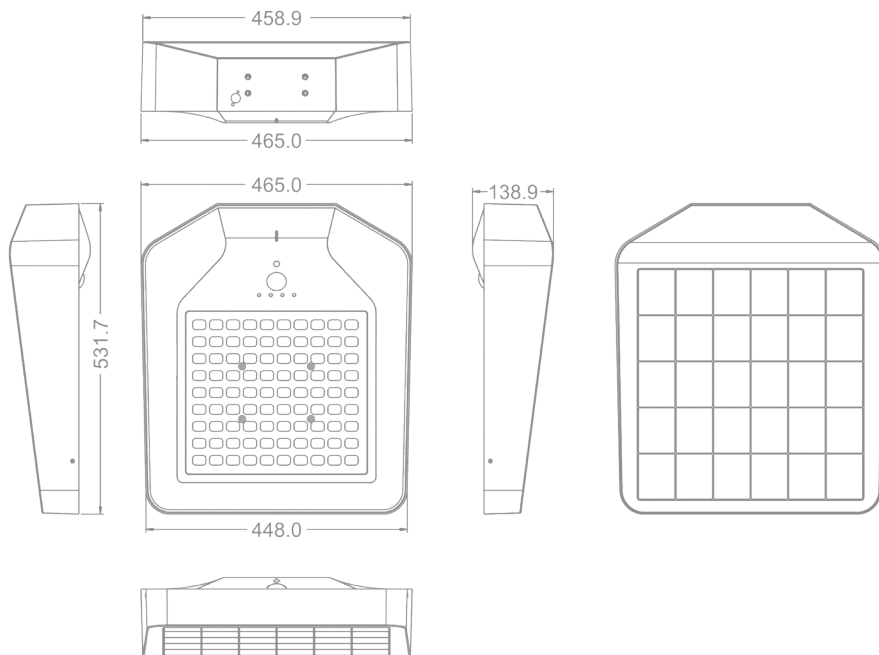
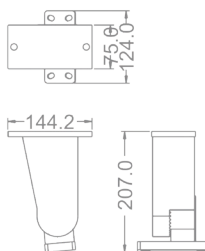
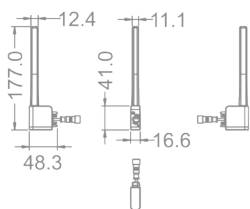
Switch / PIR motion sensor / Indicator light



High lumen LEDs 230lm/W



Bluetooth antenna and Adjustable bracket











novalux®  
LIGHTING

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SOLAR STREET LIGHTING

# CASTOR

SLL-31/31H

3000LM



**Preferred  
luminaire for  
modern community  
lighting project**



Solar



ALS



Safety



IP65



TCS



Ray Sensor



Charging temperature



Working temperature

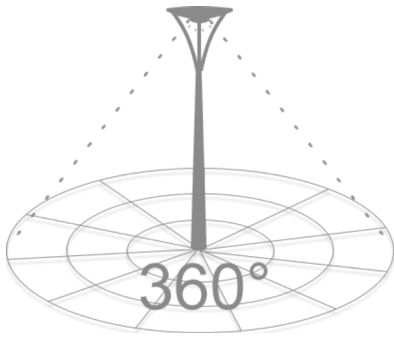


Heating Version



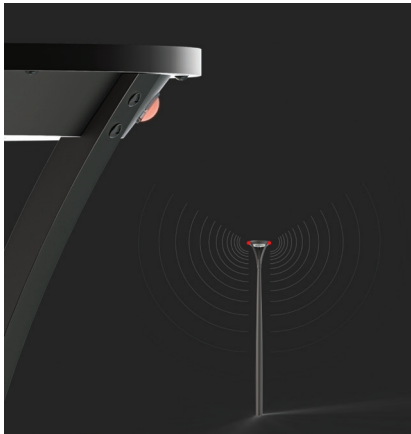
3 YEARS  
Warranty



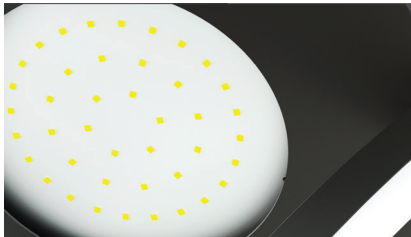


## More Brighter, More Durable

360° lighting Decoration and Lighting All In One



2 PIR Motion Sensor  
Sensing Angle 120°\* 2



LARGE LAMP SHADE  $\Phi 115\text{MM}$



Battery indicator

- 10% -----30%
- 30% -----70%
- 70% +







Working Well In 0°C ~ 45°C



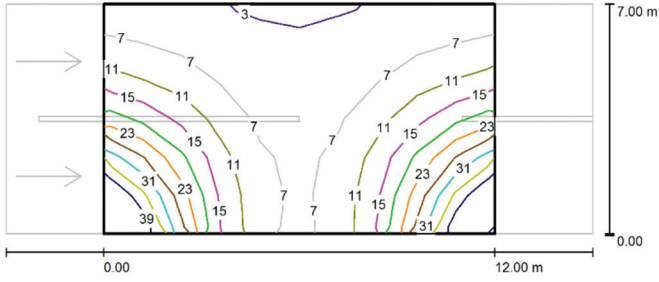
TCS Technology  
Battery Protection For Light  
Working Well In -20°C ~ 60°C



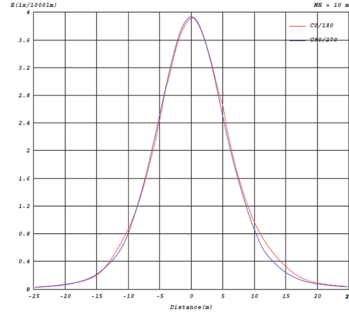


CASTOR	SLL-3I	SLL-3IH
<b>Light Brightness</b>	3000 Lumens	
<b>Solar panel</b>		
<b>Power</b>	Monocrystalline silicon, 16.2V/ 18.75W	
<b>Li-ion battery</b>		
<b>Capacity</b>	3.7V 115.44WH	
<b>Charging/Discharging Temp</b>	0~45°C / -20~60°C	-20~60°C
<b>Charging Time</b>	6.7H	
<b>LED (OSRAM)</b>	3030, 42pcs	
<b>Color Temp</b>	4000K, Ra70	
<b>Efficiency</b>	230lm/W	
<b>Types of Lighting</b>	Black sky	
<b>Performance</b>		
<b>Lighting Time in Rainy day</b>	>10 days	
<b>Control Mode</b>	Button Switch, ON/OFF Long Press 1.5s	
<b>Lighting Mode</b>	M1: 15% (PIR) till dawn M2: 30% (5h) + 15% (PIR) Till dawn M3: 35% till dawn	
<b>Mode Indication</b>	M1: Red / M2: Green / M3: Orange	
	The mode indicator will change to the battery indicator after 5 seconds	
<b>Capacity Indication</b>	Green Light: ≥70%	
	Orange Light: 30%~70%	
	Red Light: <30%	
<b>PIR</b>	120°x2, 8m.Max	
<b>Core technology</b>	ALS2.4 / TC51.0	
<b>IP / IK Class</b>	IP65 / IK08	
<b>Install Height / Distance.Max</b>	3m / 10m	
<b>Material</b>	Aluminum + Panlite PC	

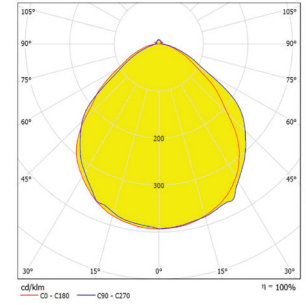
Road Simulated Diagram



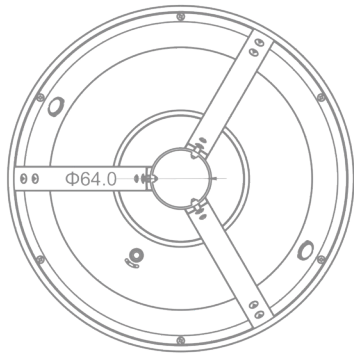
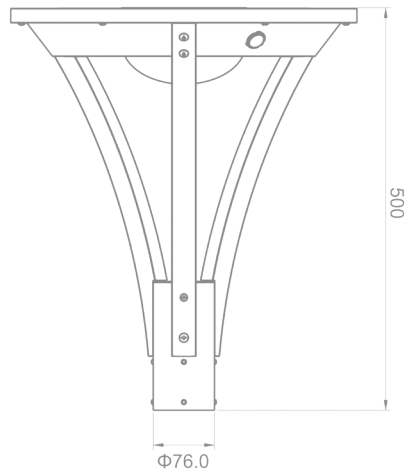
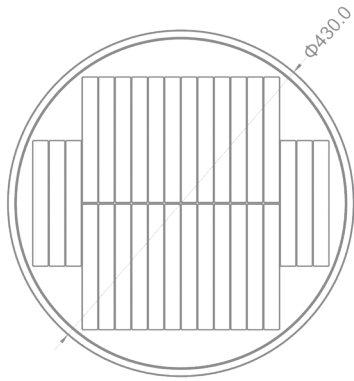
Illumination Curve

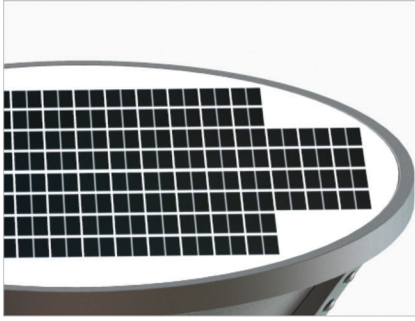


Luminance Distribution



DIMENTION FIGURE unit: mm

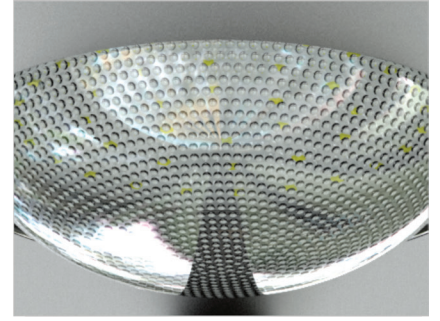




Monocrystalline silicon solar panel



Bracket



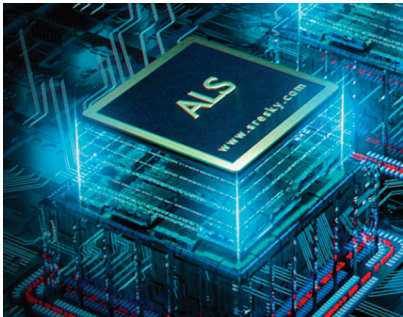
High lumen LEDs 230lm/W  
Large Lamp Shade  $\Phi$  115mm



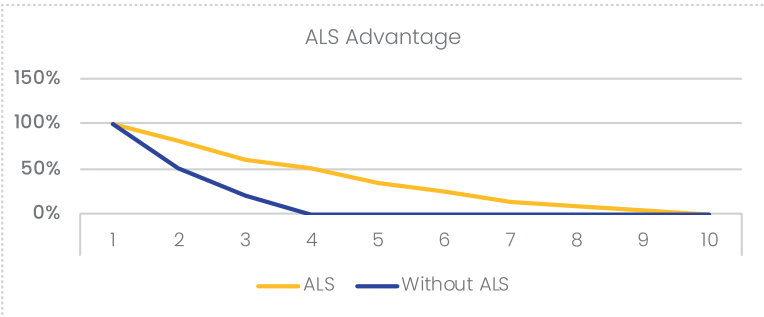
PIR: 120°x2, 8m.Max



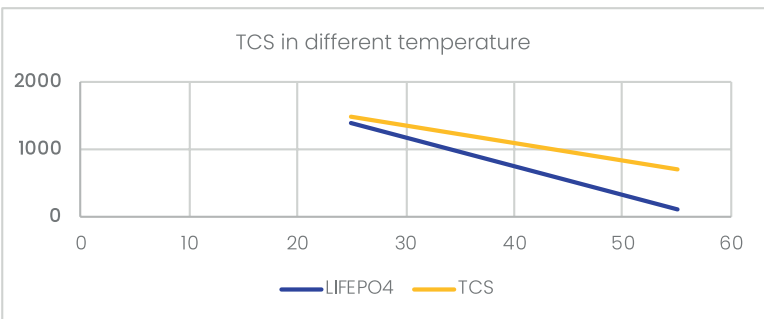
Indicator IR Receiver Switch



ADVANTAGE OF ALS



ADVANTAGE OF TCS









novalux®  
LIGHTING

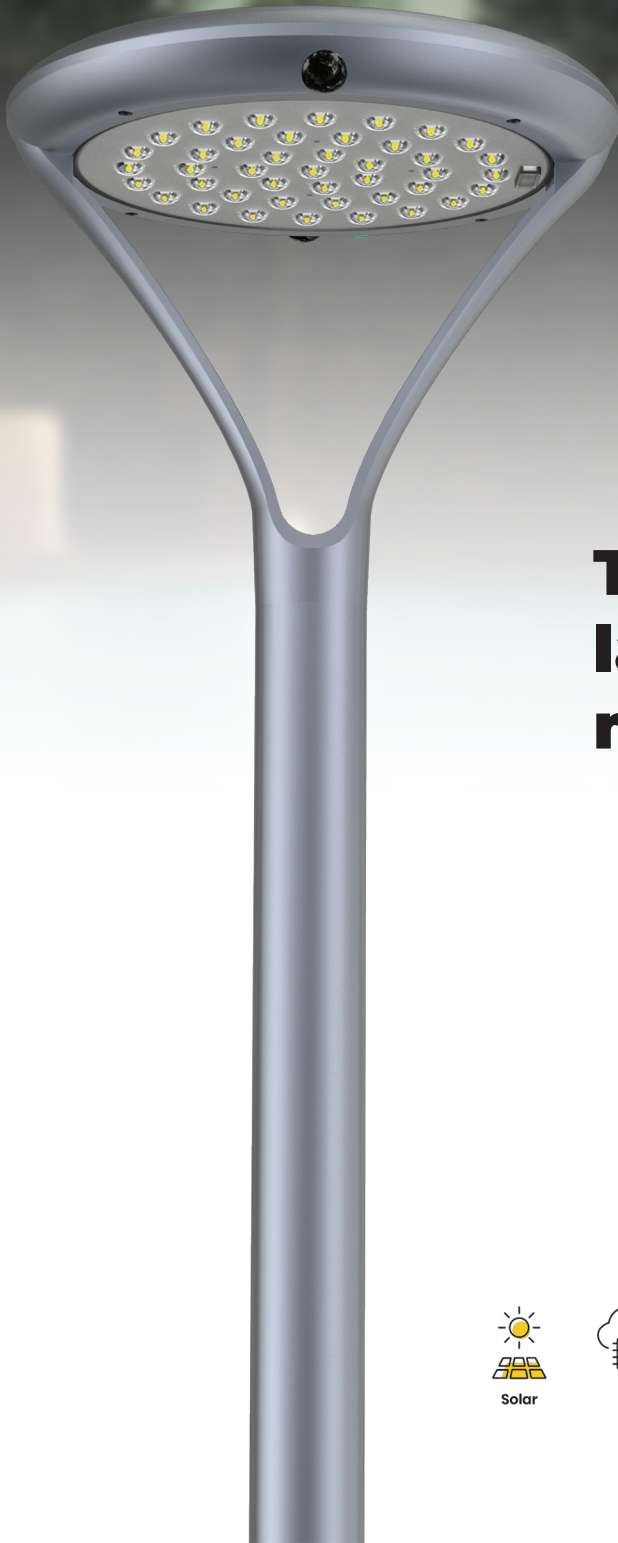
# SOLAR STREET LIGHTING



# POLLUX

ESL-55/56/57

2000LM



**Twin PIR for  
large angle  
motion detection**



Solar



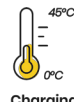
ALS



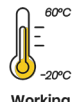
Safety



Ray Sensor



Charging  
temperature



Working  
temperature



Double side PIR 120°

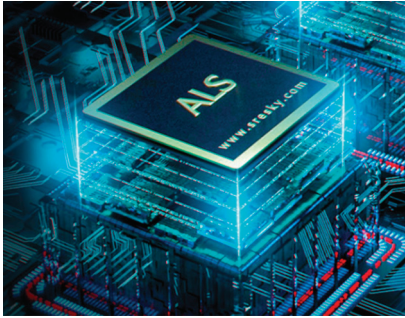




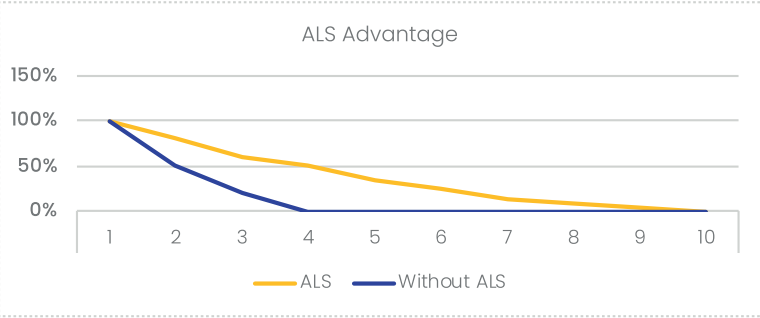
# New technology enhances user experience

ALS technology to prolong the lighting time >7 rainy days

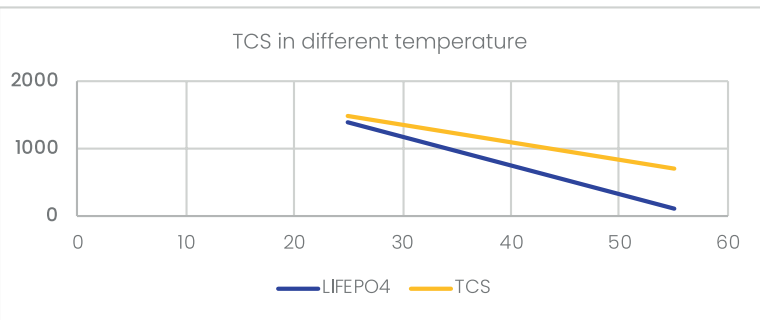
TCS technology to protect the lights can work normally and safety in very hot and cold temperature



ADVANTAGE OF ALS



ADVANTAGE OF TCS



4-speed button dimming

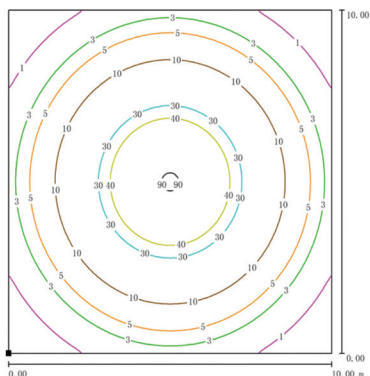




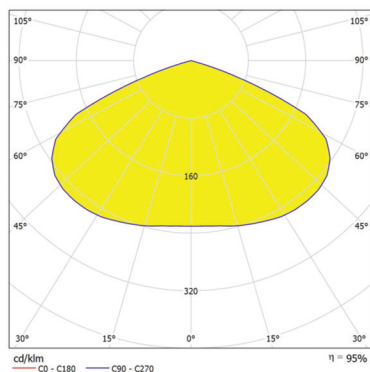
POLLUX	ESL-55	ESL-56	ESL-57
<b>Light Brightness</b>	2000LM		
<b>Solar panel</b>			
<b>Power</b>	Monocrystalline silicon, 4.86V/ 5W		
<b>Li-ion battery</b>			
<b>Capacity</b>	3.7V 22.2WH		
<b>Charging / Discharging Temp</b>	0~45°C / -20~60°C		
<b>Charging Time</b>	5.8H		
<b>LED (OSRAM)</b>	2835, 42pcs		
<b>Color Temp</b>	4000K, Ra>70		
<b>Efficiency</b>	190lm/W		
<b>Types of Lighting</b>	Symmetrical 120°		
<b>Performance</b>			
<b>Lighting Time in Rainy day</b>	>10 days		
<b>Control Mode</b>	Button Switch, ON/OFF Long Press 1.5s		
<b>Lighting Mode (Remote Control)</b>	M1: 10% + PIR 60S till dawn M2: 0% + PIR 60S till dawn M3: 30% Timed 6Hrs M4: 100% Timed 2Hrs		
<b>PIR</b>	120°x2, 5m.Max		
<b>Core technology</b>	ALS 2.3		
<b>IP/IK Class</b>	IP65		
<b>Install height.Max</b>	2.5m	2.15m	3m
<b>Lighting area.Max</b>	110 <sup>2</sup>		
<b>Materials</b>	Die cast aluminum + Panlite PC		

### ESL-55

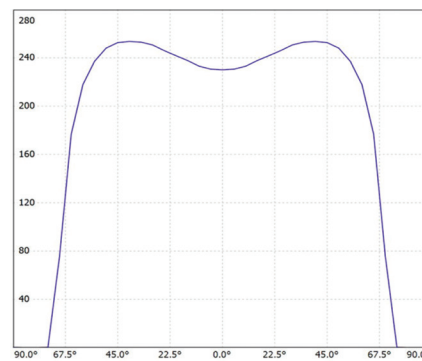
Road Simulated Diagram



Illumination Curve

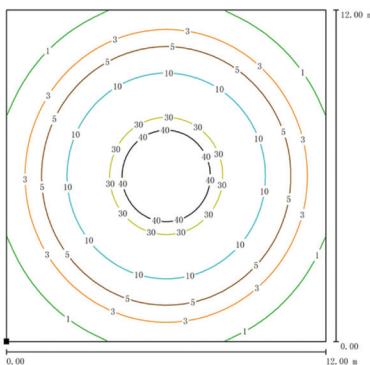


Luminance Distribution

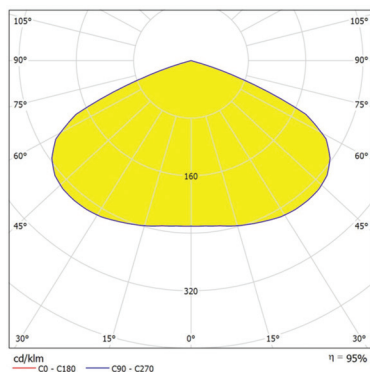


### ESL-56

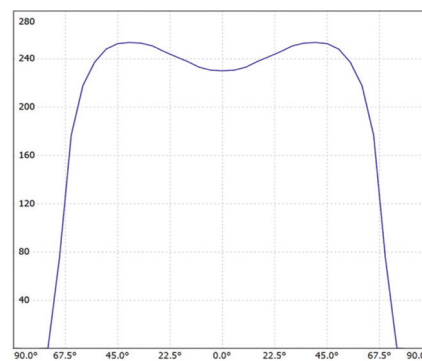
Road Simulated Diagram



Illumination Curve

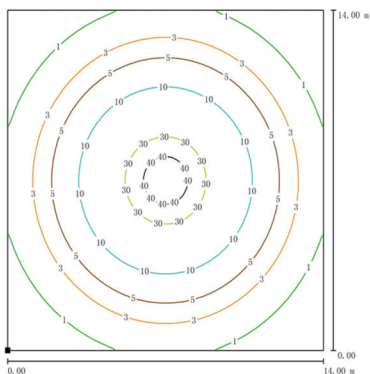


Luminance Distribution

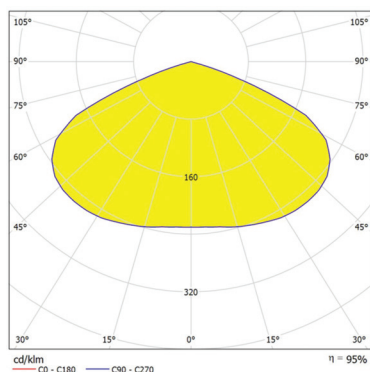


### ESL-57

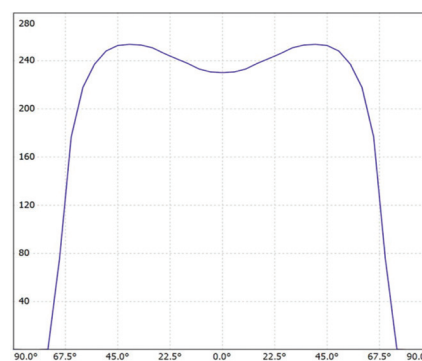
Road Simulated Diagram



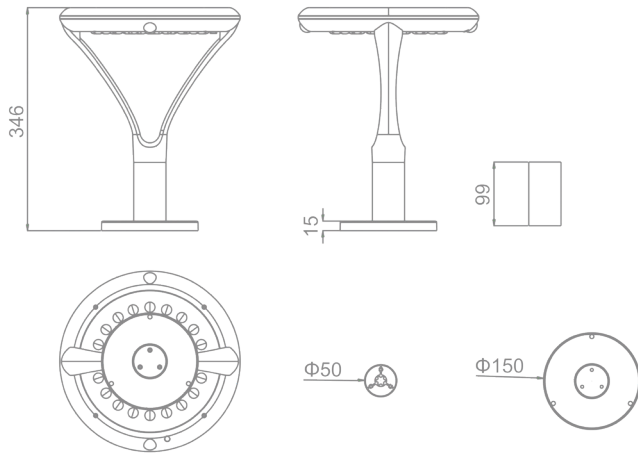
Illumination Curve



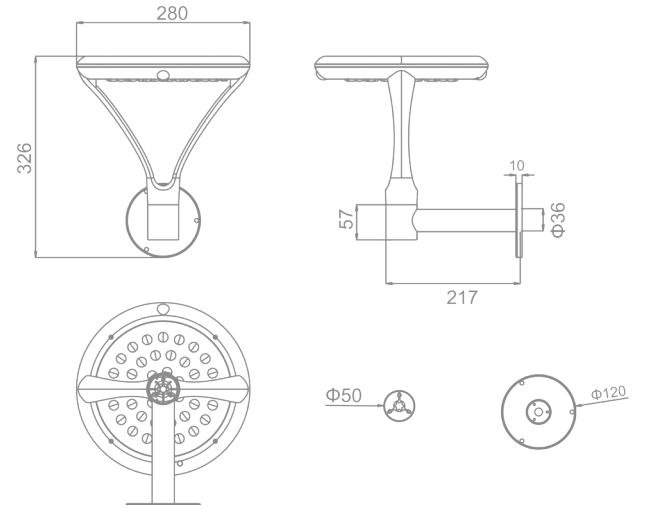
Luminance Distribution



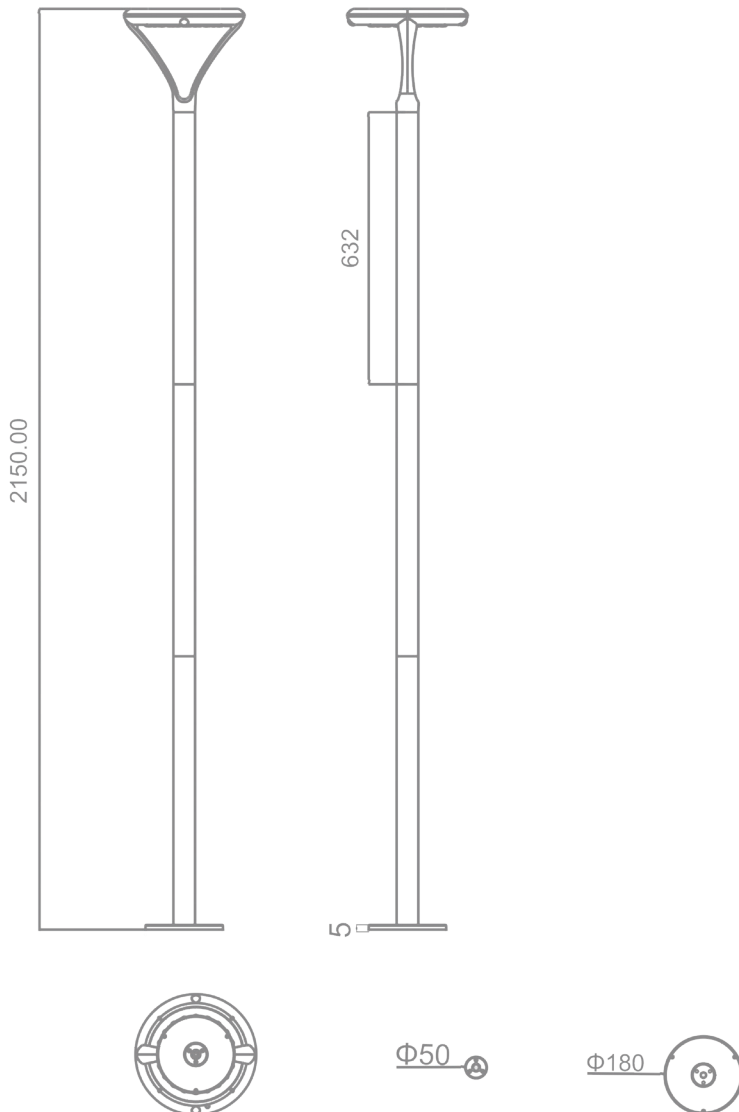
**ESL-55**

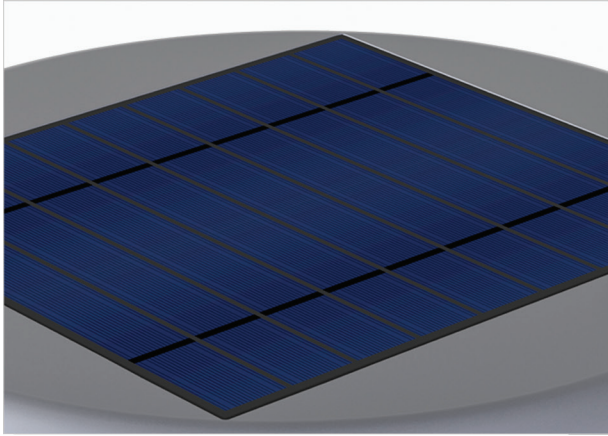


**ESL-57**



**ESL-56**





Solar Charging Efficiency: >21%



High lumen LEDs 190lm/W



PIR: 120°X2, 5m.Max











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# HYDRA

SWL-23/37

1500LM/3000LM

## Adjustable Lighting Beams



Solar



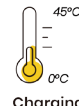
ALS



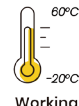
Safety



Ray Sensor



Charging  
temperature

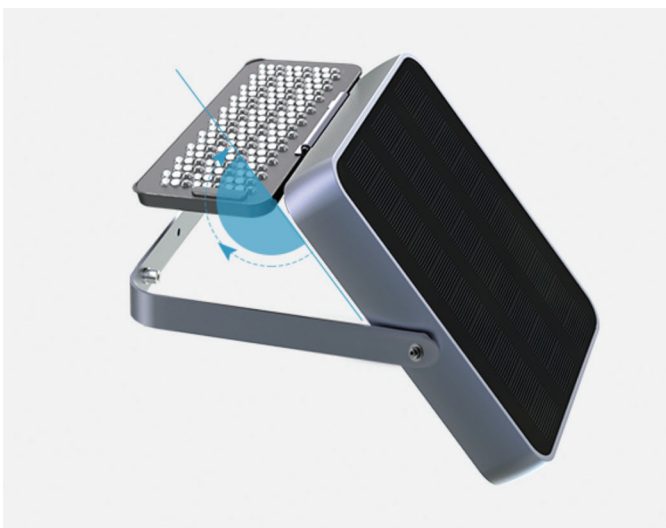
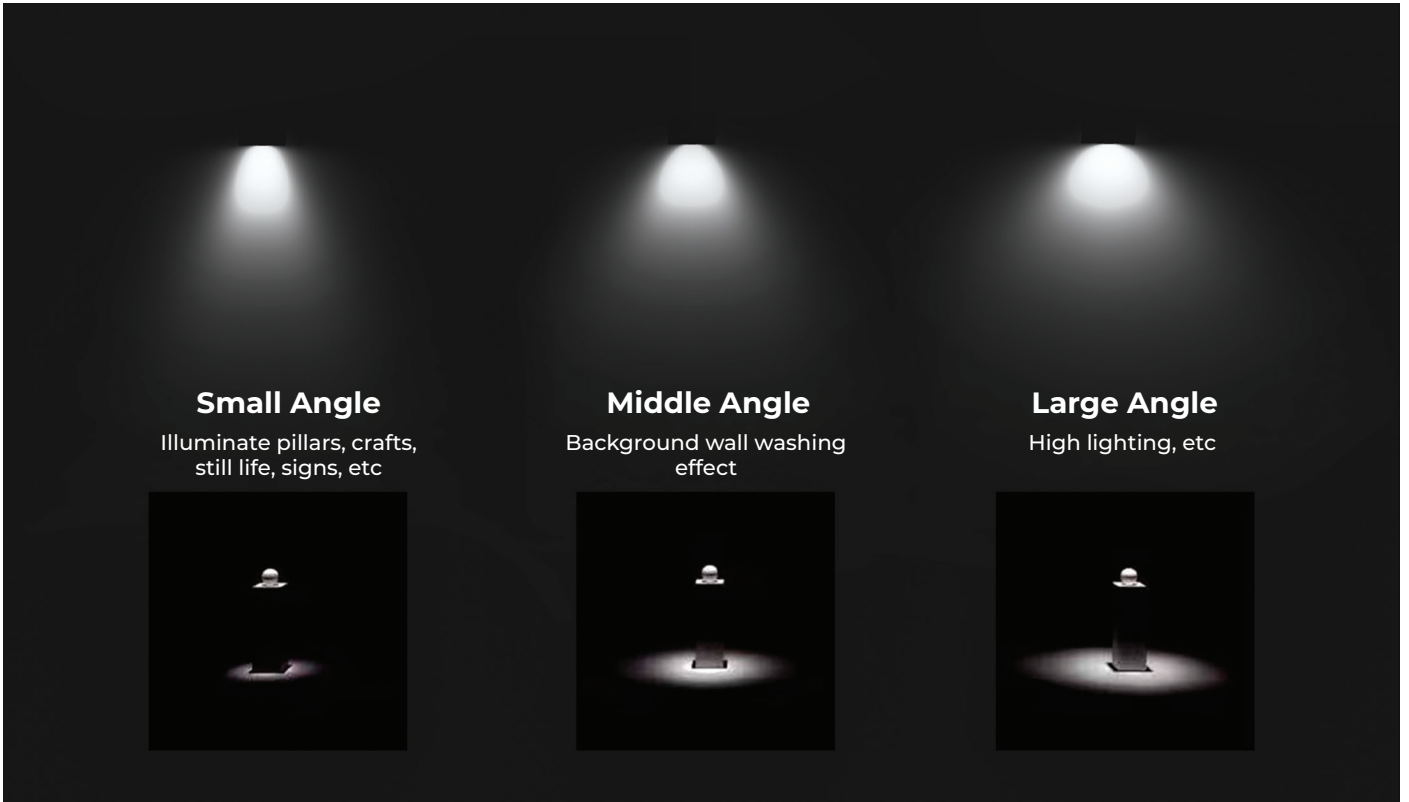


Working  
temperature



# From spotlight to floodlight, strong adaptability to the scene.

To adjust the lighting area by the rotation axis of 60°/ 90°/ 120° angle



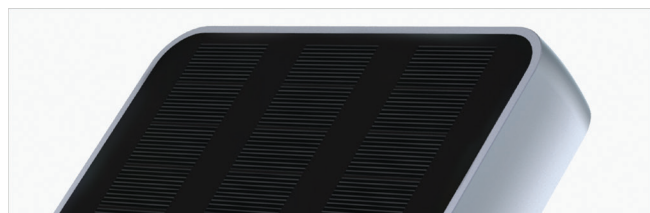
Adjustable angle of lamp panel: 0-180°



Adjustable angle of solar panel: 0-180°



Remote control distance 8m, 6-key adjustable mode



Solar panel



High lumen LEDs 190lm/W



Bracket



PIR: 120°, 8m.Max

# Multiple installation methods



- Insert ground



- On the ground



- On the wall



- Wall mount



- On flagpole



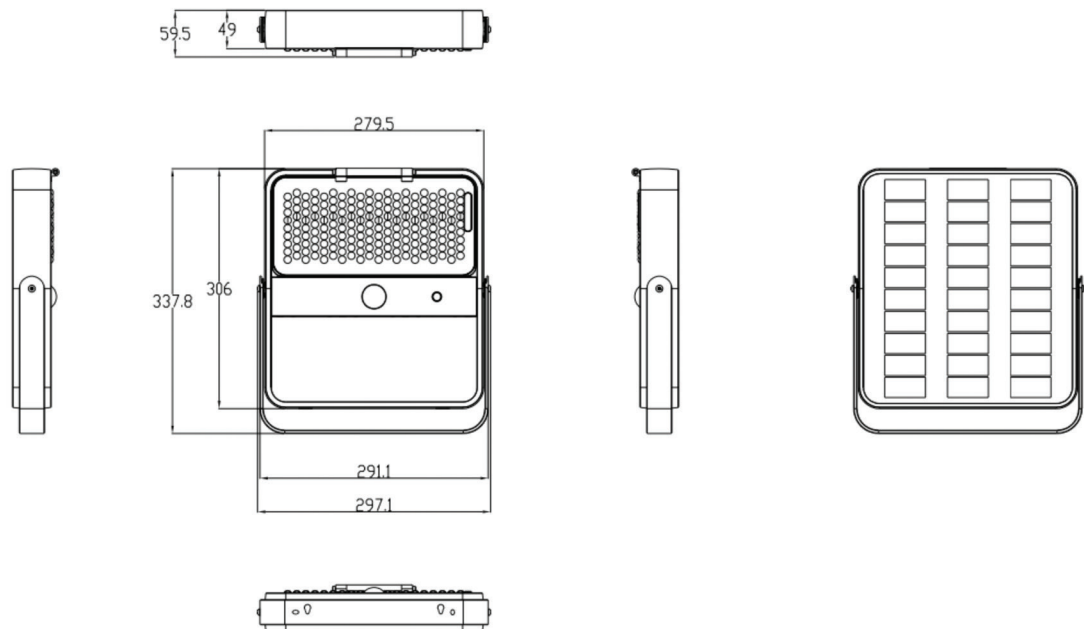
- Emergency hang



- Single head



- Double head

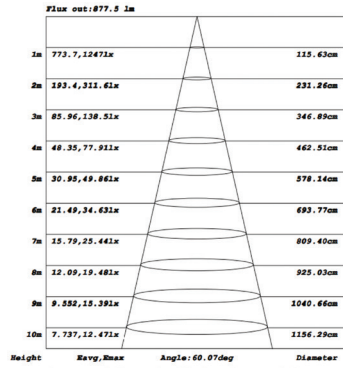




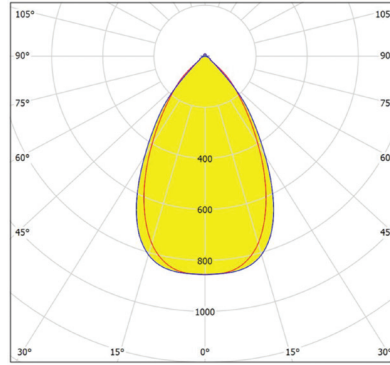
HYDRA	SWL-23	SWL-37
<b>Light Brightness</b>	1500LM	3000LM
<b>Solar panel</b>		
<b>Power</b>	Poly-Crystalline, 5V/ 7W	Mono-Crystalline, 9V/ 10W
<b>Li-ion battery</b>		
<b>Capacity</b>	3.7V	7.4V
<b>Charging / Discharging Temp</b>	0~45°C / -20~60°C	
<b>Charging Time</b>	7.1H	7H
<b>LED</b>	2835, 60pcs	
<b>Color Temp</b>	5700K, Ra>70	
<b>Efficiency</b>	190lm/W	
<b>Types of Lighting</b>	Symmetrical 60°/ 90°/ 120°	
<b>Performance</b>		
<b>Lighting Time in Rainy day</b>	>10 days	
<b>Control Mode</b>	Button Switch, ON/OFF Long Press 1.5s	
<b>Lighting Mode</b>	M1: 100% (5H) + 20% Till dawn M2: 60% Till dawn M3: 20% + PIR (30S) Till dawn T: Timing 2H, return to the previous mode after the end	
<b>Mode Indication</b>	M1: Blink one time M2: Blink two time M3: Blink three time T: Blink four time	
<b>PIR</b>	120°, 8m	
<b>Core technology</b>	ALS2.4	
<b>IP</b>	IP65	
<b>Material</b>	Aluminum+ABS	

**SWL-23-60D**

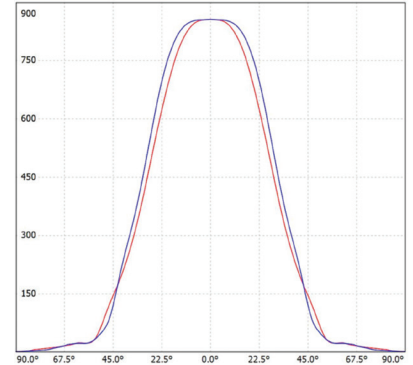
Road Simulated Diagram



Illumination Curve

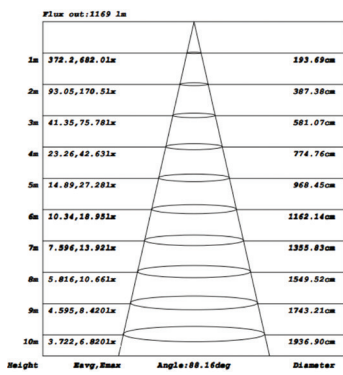


Luminance Distribution

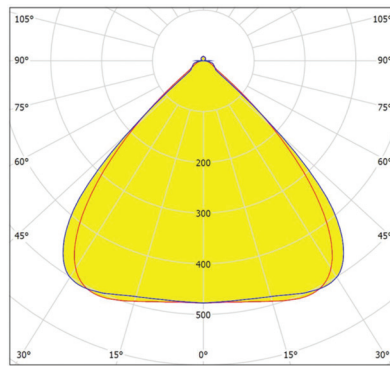


**SWL-23-90D**

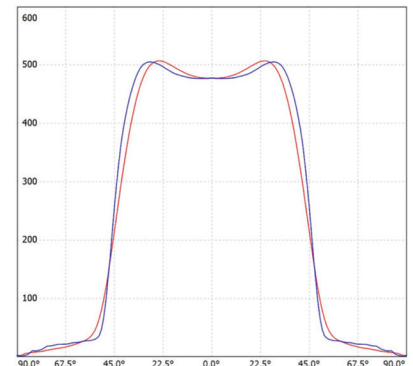
Road Simulated Diagram



Illumination Curve

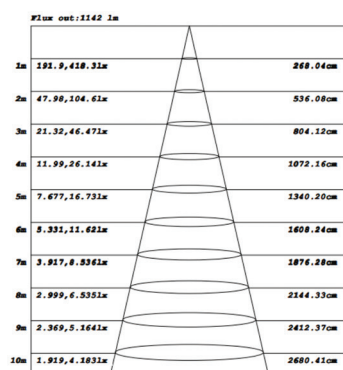


Luminance Distribution

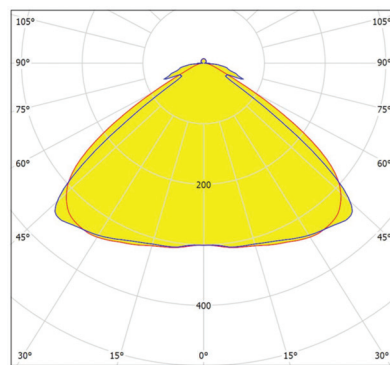


**SWL-23-120D**

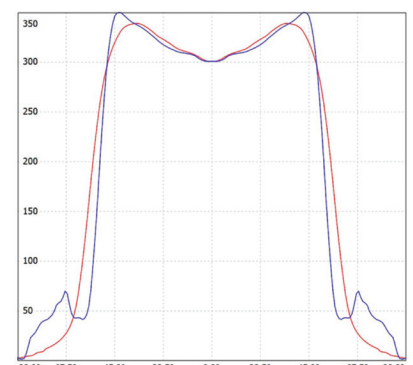
Road Simulated Diagram



Illumination Curve



Luminance Distribution









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