

SOLVERT SKYBEAM

VERTICAL SOLAR LIGHTING POLE

2.8~5.2M



www.auroraslighting.com

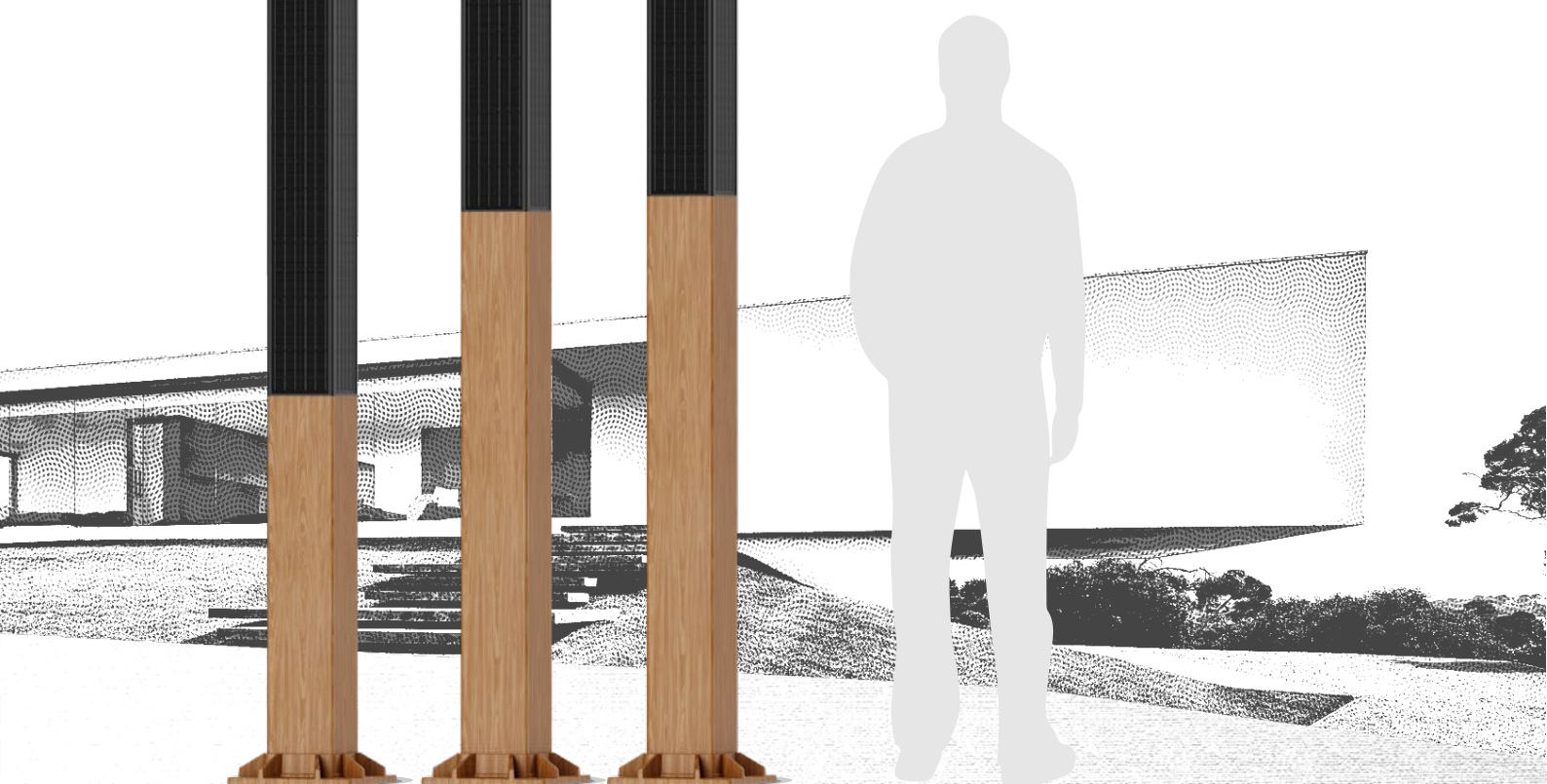
AURORAS
Aurora Lighting Systems

Solar Architectural Pathway Light

SOLVERT SKYBEAM

SOLVERT SKYBEAM — Power and precision, elevated.

Engineered for wide-area illumination, the SKYBEAM stands as a symbol of strength and sustainability. Its vertical solar panels capture every ray, delivering light that endures through the night.





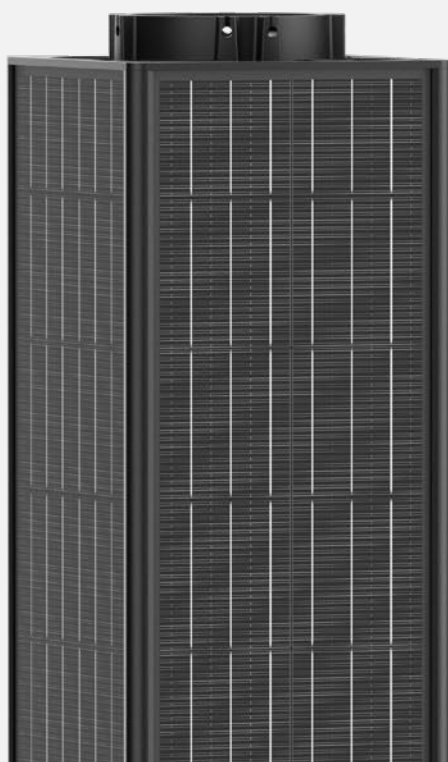
SOLVERT SKYBEAM



200lm/W

High-brightness LED

Deliver bright illumination with low power consumption and long lifespan.



Square Solar Modules

Capture sunlight from multiple angles for improved energy generation.



98% Efficiency

MPPT Charging Controller

maximizes energy efficiency ensuring longer battery life and consistent illumination without blackout.



LiFePO4 Battery

Grade A+ Battery cell with high uniformity of internal resistance and charging and discharging.

SQUARE

VERTICAL SOLAR MODULE



360° Full Day Charging

Half area of round solar tube is facing to sun all the time to ensure continuous charging all day long, generating more power



Modular Installation

Designed with a modular structure for faster assembly, easier maintenance, and flexible component replacement, reducing installation time and service costs.



No Sand & Dust Accumulation

Sand & dust will not accumulate on the vertically installed solar panel. no need to clean the solar panels frequently



No Snow Accumulation

The vertically mounted solar cylinder prevents snow buildup, ensuring reliable power generation even in snowy climates.



No Accumulation of Snow

There is no risk of less or even no power generation from solar panel caused by snow accumulation in winter time.



Strong Wind Resistance

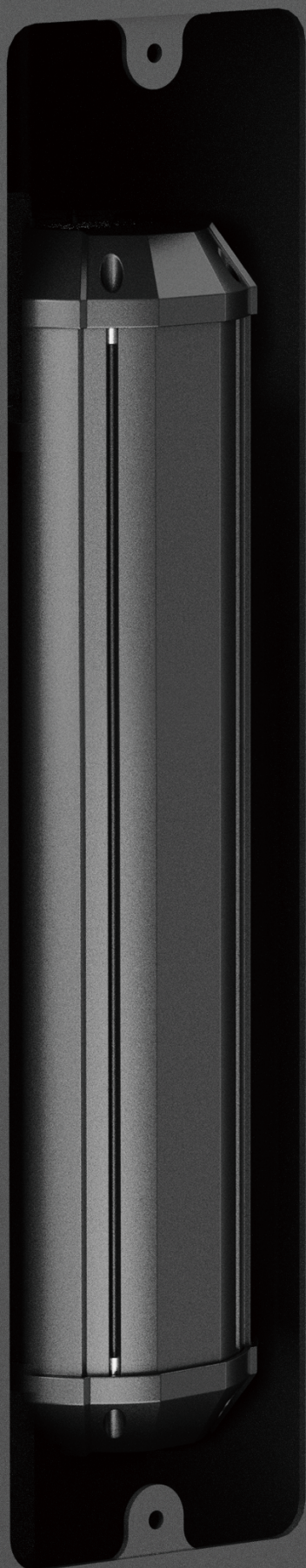
With smaller wind resistance area and stronger installation bracket it has very great wind resistant performance up to 160km/H.



Aesthetics Appearance

All the mounting poles adopted vertical PV cylinder blend into environments perfectly without disturbing the beauty of the view.





Lithium Battery Cylinder

Built into Poles | Outside of Poles



Enhanced Safety

The design, integrated into the light pole, effectively protects the battery from external environmental impacts such as extreme weather, theft, and vandalism. This ensures the battery's safety and longevity.



Space Saving

Utilizing the internal space of the light pole for battery installation avoids the issue of traditional external battery boxes occupying ground space, keeping the installation area clean and neat.



Efficient Heat Dissipation

The environment inside the light pole typically offers excellent heat dissipation conditions, helping maintain the battery at an optimal working temperature, thereby extending battery life and enhancing system performance.



Simplified Installation and Maintenance

The integrated battery design makes the system more unified, simplifying and speeding up the installation and maintenance processes, thus reducing labor and time costs.



Aesthetic Uniformity

Integrating the battery inside the light pole results in a cleaner, more stylish appearance for the entire solar street light system, aligning with the aesthetic standards of modern cities and high-end communities.



High-Performance Energy Storage

Utilizing high-quality lithium batteries provides higher energy density and longer lifespan, ensuring street lights can operate normally even on cloudy days and at night.

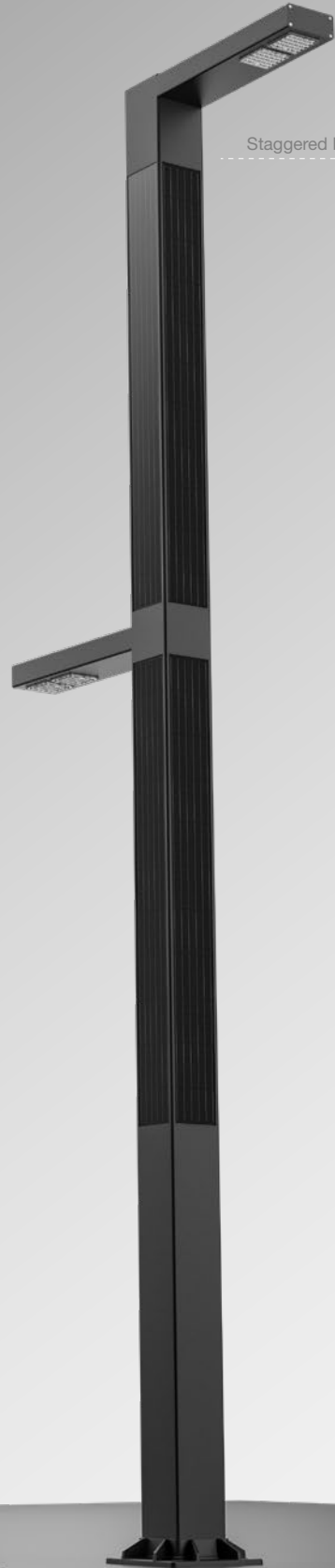
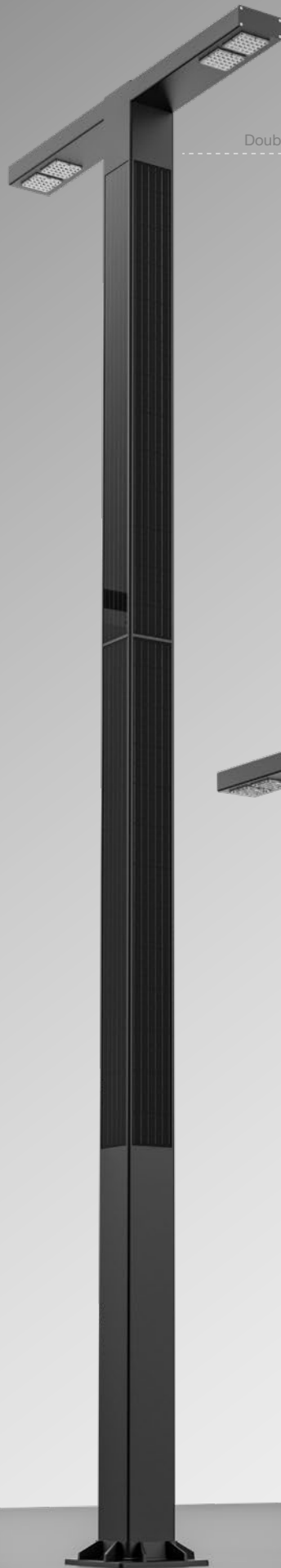
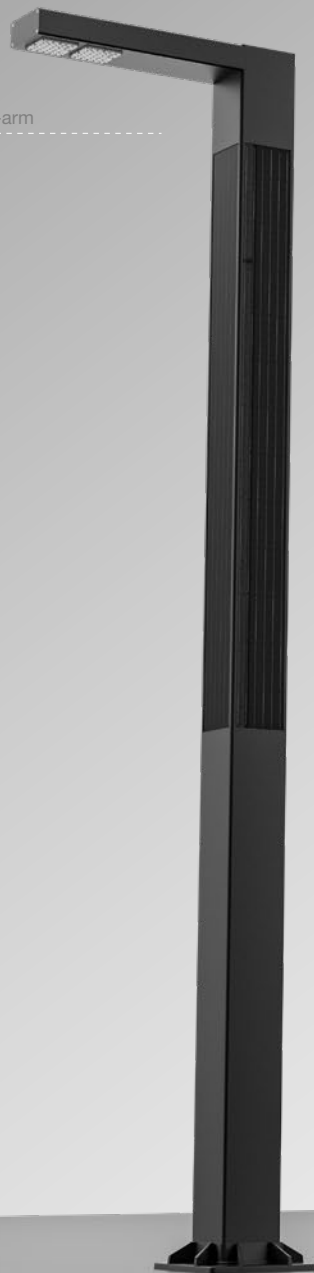
Flexible Arm Configurations

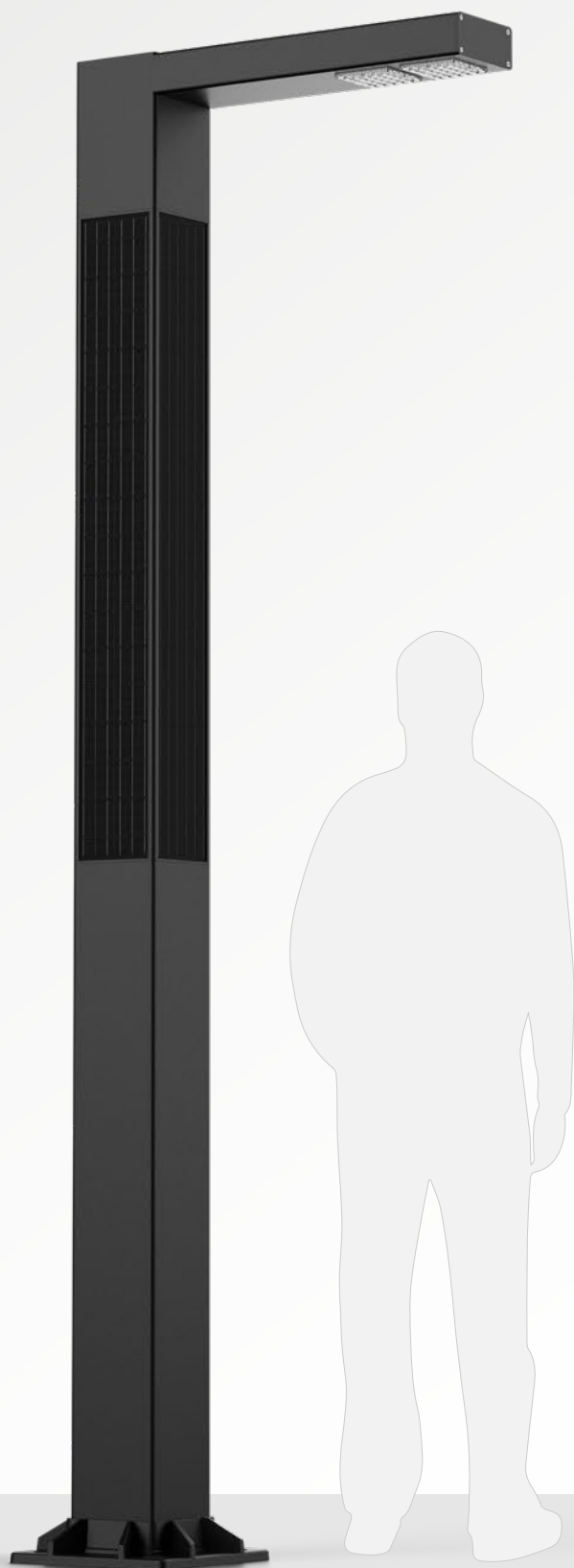
Available in single-arm, double-arm, and staggered double-arm configurations, the vertical solar lighting pole can be tailored to suit various roadway layouts and lighting requirements. Customized arm designs, outreach lengths, and mounting arrangements are available to meet specific project needs and local standards.

Single-arm

Double-arm

Staggered Double-arm





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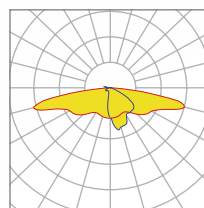
Model	SKYBEAM
Dimension	188*188*2800mm
Max LED Power	24W
Luminous Flux	4,800lm
LED Chips	SMD5050 5W/LED max
LED Lifetime	100,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	164Wp MONO *1nos
Total power	164Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 24AH
Lifetime	4,000 cycles D.O.D 80%
IP&IK Protection	IP65 IK08
Material	Aluminum Alloy
Color	Wood / Black / Customized
Sensor Type	Microwave / PIR (optional)
Warranty	5 Years

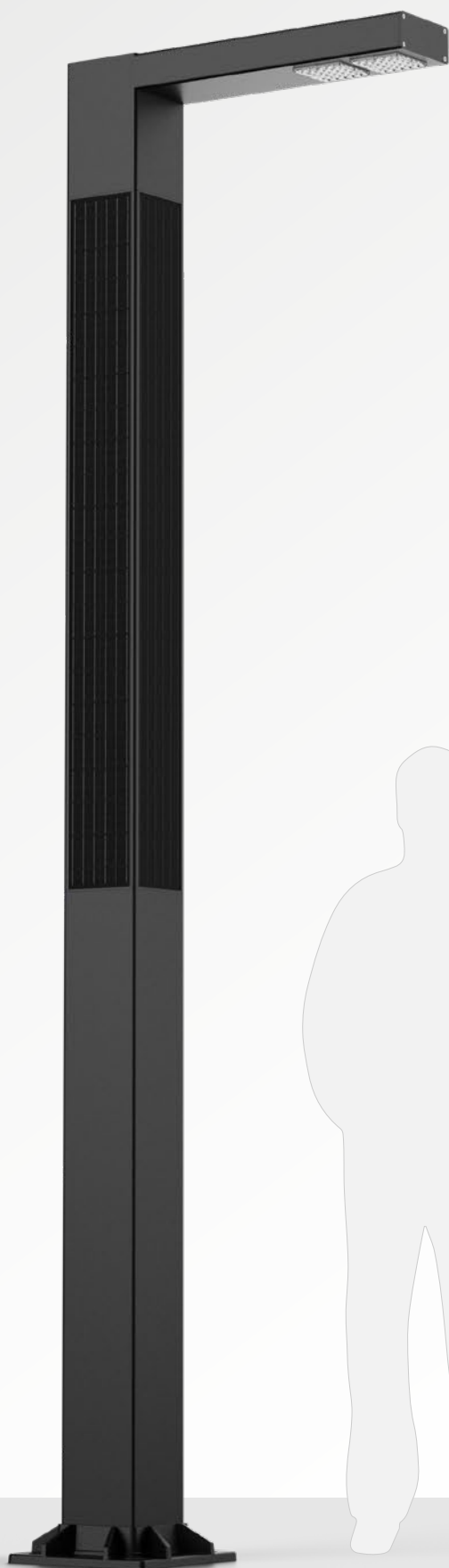
Finish Colors

			
Black RAL 9005	Grey RAL 7046	White RAL 9003	Matt Silver RAL 9006

Customizable Finish Colors

		
Oak Woodland	Walnut Woodland	Pine Woodland





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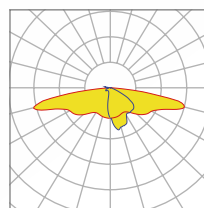
Model	SKYBEAM
Dimension	188*188*3200mm
Max LED Power	30W
Luminous Flux	6,000lm
LED Chips	SMD5050 5W/LED max
LED Lifetime	100,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 188Wp MONO *1nos
Total power	188Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 30AH
Lifetime	4,000 cycles D.O.D 80%
IP&IK Protection	IP65 IK08
Material	Aluminum Alloy
Color	Wood / Black / Customized
Sensor Type	Microwave / PIR (optional)
Warranty	5 Years

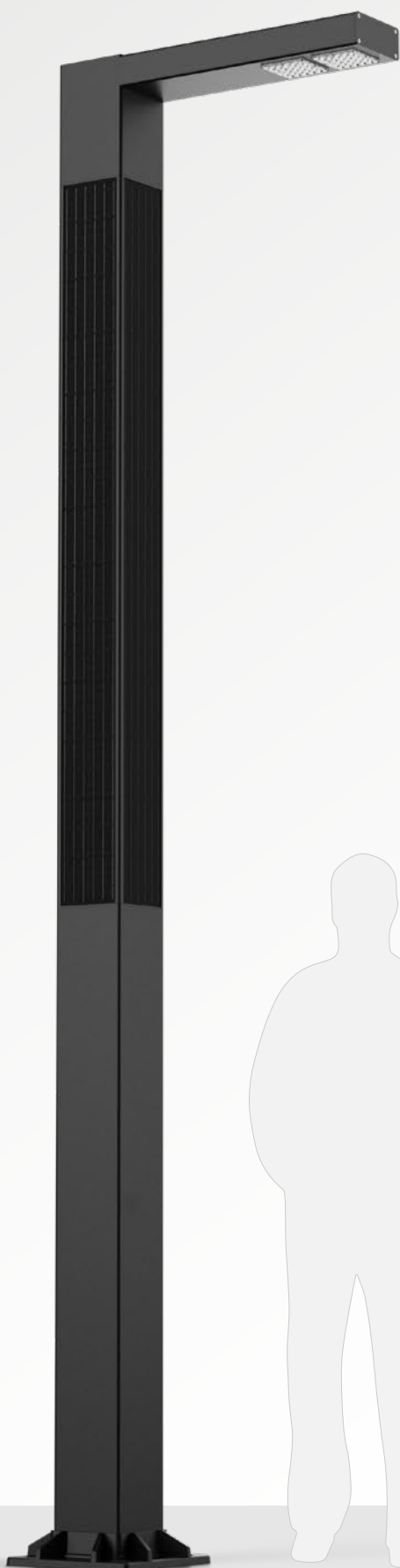
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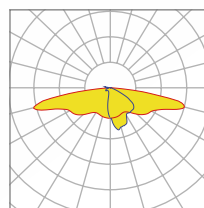
Model	SKYBEAM
Dimension	188*188*3600mm
Max LED Power	36W
Luminous Flux	7,200lm
LED Chips	SMD5050 5W/LED max
LED Lifetime	100,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 220Wp MONO *1nos
Total power	220Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 36AH
Lifetime	4,000 cycles D.O.D 80%
IP&IK Protection	IP65 IK08
Material	Aluminum Alloy
Color	Wood / Black / Customized
Sensor Type	Microwave / PIR (optional)
Warranty	5 Years

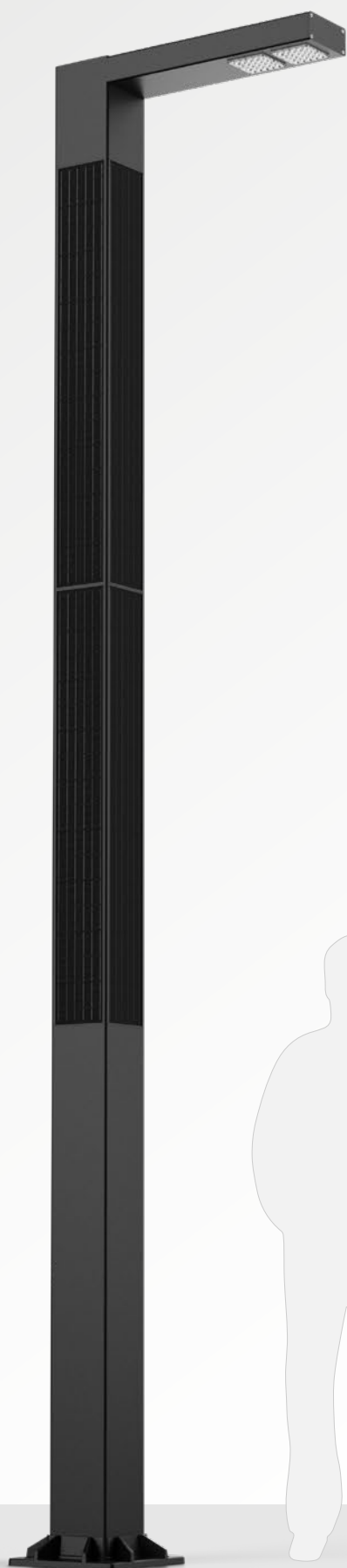
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Customizable Finish Colors

		
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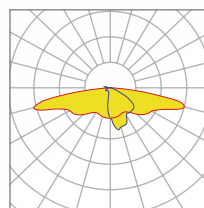
Model	SKYBEAM
Dimension	188*188*4200mm
Max LED Power	42W
Luminous Flux	8,400lm
LED Chips	SMD5050 5W/LED max
LED Lifetime	100,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 164Wp MONO *2nos
Total power	328Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 42AH
Lifetime	4,000 cycles D.O.D 80%
IP&IK Protection	IP65 IK08
Material	Aluminum Alloy
Color	Wood / Black / Customized
Sensor Type	Microwave / PIR (optional)
Warranty	5 Years

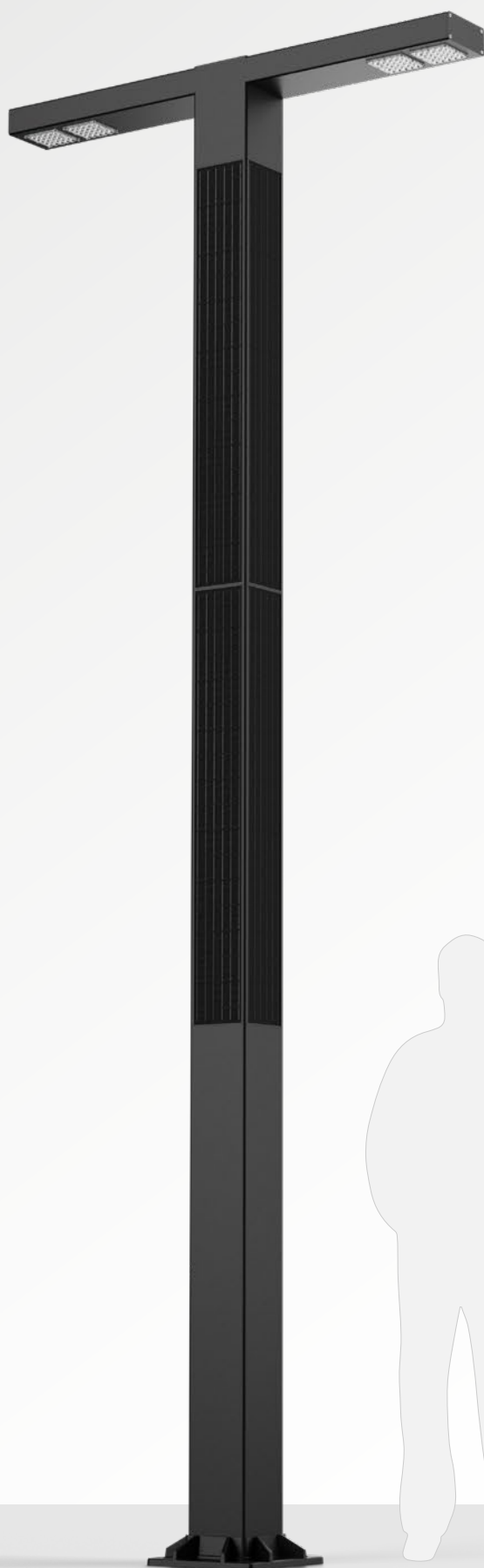
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Customizable Finish Colors

		
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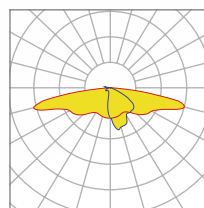
Model	SKYBEAM
Dimension	188*188*4200mm
Max LED Power	20W *2nos
Luminous Flux	4,000lm *2nos
LED Chips	SMD5050 5W/LED max
LED Lifetime	100,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 164Wp MONO *2nos
Total power	328Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 42AH
Lifetime	4,000 cycles D.O.D 80%
IP&IK Protection	IP65 IK08
Material	Aluminum Alloy
Color	Wood / Black / Customized
Sensor Type	Microwave / PIR (optional)
Warranty	5 Years

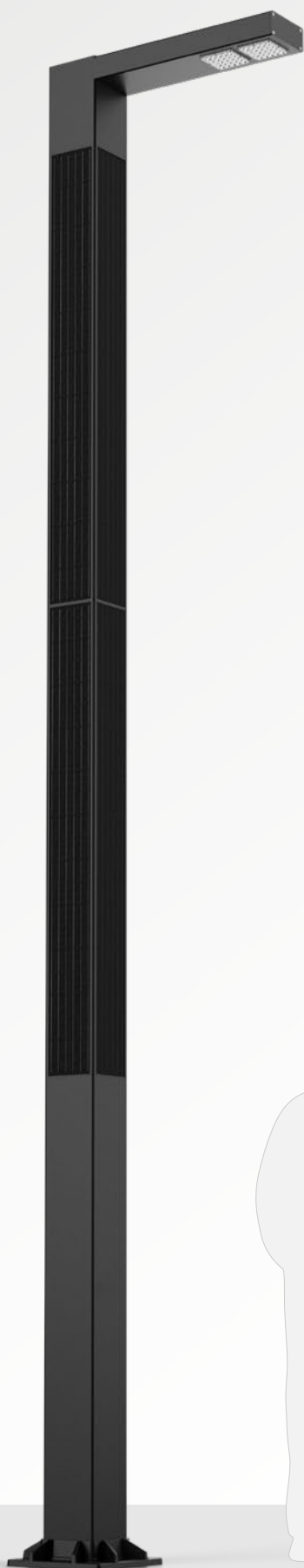
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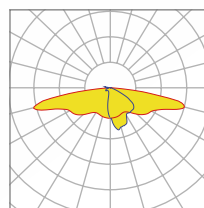
Model	SKYBEAM
Dimension	188*188*4800mm
Max LED Power	48W
Luminous Flux	9,600lm
LED Chips	SMD5050 5W/LED max
LED Lifetime	100,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 188Wp MONO *2nos
Total power	376Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 48AH
Lifetime	4,000 cycles D.O.D 80%
IP&IK Protection	IP65 IK08
Material	Aluminum Alloy
Color	Wood / Black / Customized
Sensor Type	Microwave / PIR (optional)
Warranty	5 Years

Finish Colors

			
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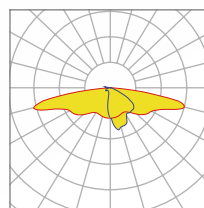
Model	SKYBEAM
Dimension	188*188*4800mm
Max LED Power	30W *2nos
Luminous Flux	6,000lm *2nos
LED Chips	SMD5050 5W/LED max
LED Lifetime	100,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 188Wp MONO *2nos
Total power	376Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 48AH
Lifetime	4,000 cycles D.O.D 80%
IP&IK Protection	IP65 IK08
Material	Aluminum Alloy
Color	Wood / Black / Customized
Sensor Type	Microwave / PIR (optional)
Warranty	5 Years

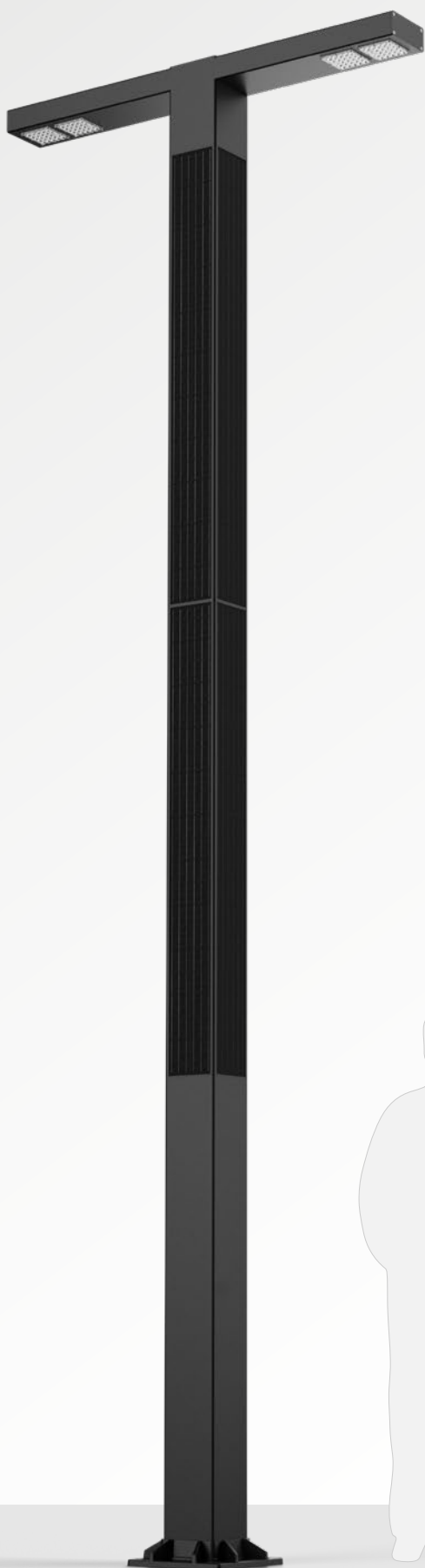
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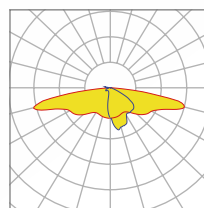
Model	SKYBEAM
Dimension	188*188*4800mm
Max LED Power	30W *2nos
Luminous Flux	6,000lm *2nos
LED Chips	SMD5050 5W/LED max
LED Lifetime	100,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 188Wp MONO *2nos
Total power	376Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 48AH
Lifetime	4,000 cycles D.O.D 80%
IP&IK Protection	IP65 IK08
Material	Aluminum Alloy
Color	Wood / Black / Customized
Sensor Type	Microwave / PIR (optional)
Warranty	5 Years

Finish Colors

			
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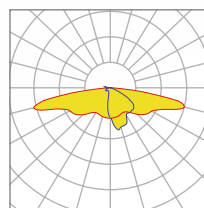
Model	SKYBEAM
Dimension	188*188*5200mm
Max LED Power	60W
Luminous Flux	12,000lm
LED Chips	SMD5050 5W/LED max
LED Lifetime	100,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 220Wp MONO *2nos
Total power	440Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 60AH
Lifetime	4,000 cycles D.O.D 80%
IP&IK Protection	IP65 IK08
Material	Aluminum Alloy
Color	Wood / Black / Customized
Sensor Type	Microwave / PIR (optional)
Warranty	5 Years

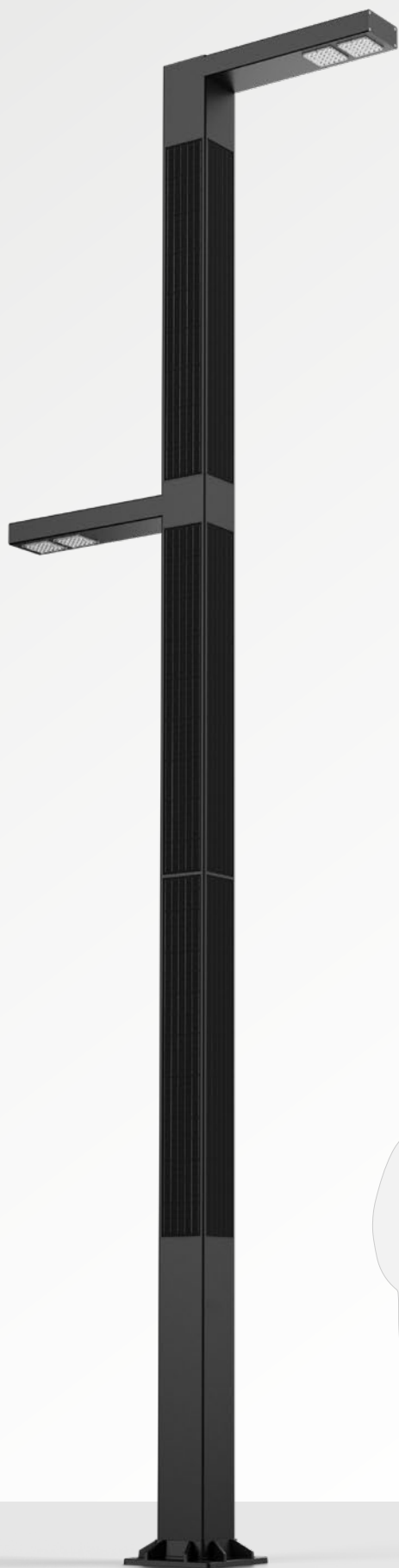
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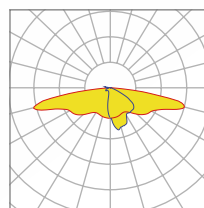
Model	SKYBEAM
Dimension	188*188*5200mm
Max LED Power	36W *2nos
Luminous Flux	7,200lm *2nos
LED Chips	SMD5050 5W/LED max
LED Lifetime	100,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 164Wp MONO *3nos
Total power	492Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 60AH
Lifetime	4,000 cycles D.O.D 80%
IP&IK Protection	IP65 IK08
Material	Aluminum Alloy
Color	Wood / Black / Customized
Sensor Type	Microwave / PIR (optional)
Warranty	5 Years

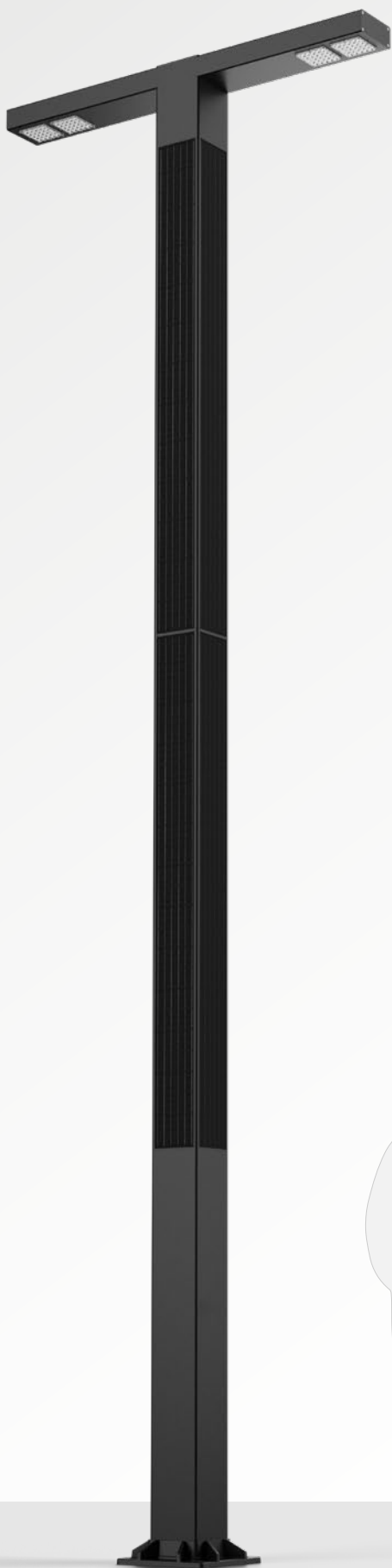
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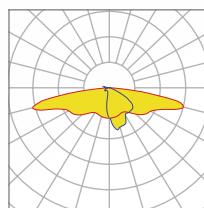
Model	SKYBEAM
Dimension	188*188*5200mm
Max LED Power	36W *2nos
Luminous Flux	7,200lm *2nos
LED Chips	SMD5050 5W/LED max
LED Lifetime	100,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
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Material	Aluminum Alloy
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Customizable Finish Colors

		
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Tailored to Your Requirements

From arm configurations and PV module dimensions to battery capacity and lighting performance, every aspect of the vertical solar lighting pole can be customized to deliver the optimal solution for your project.

Pole Top Configurations



Single-arm



Staggered Double-arm



Double-arm



CCTV

Solar Modules



○ 164Wp ○ 188Wp ○ 220Wp

Solar modules of different power ratings can be combined and configured to match various project requirements and energy demands.

Battery Capacity



Battery capacity can be tailored according to project requirements, ensuring the desired lighting autonomy and backup performance.





Lighting Working Mode (Default mode:A)

In addition to automatic switching on and off , you have the possibility of setting different lighting program easily by the simple remote control according to the needs of the project. Also you can set the light to work for 6 hours or 12 hours.

Mode A

1H/70%

3H/100%

2H/50%

6H/30% +2H/Morning function

Mode B

5H/100%

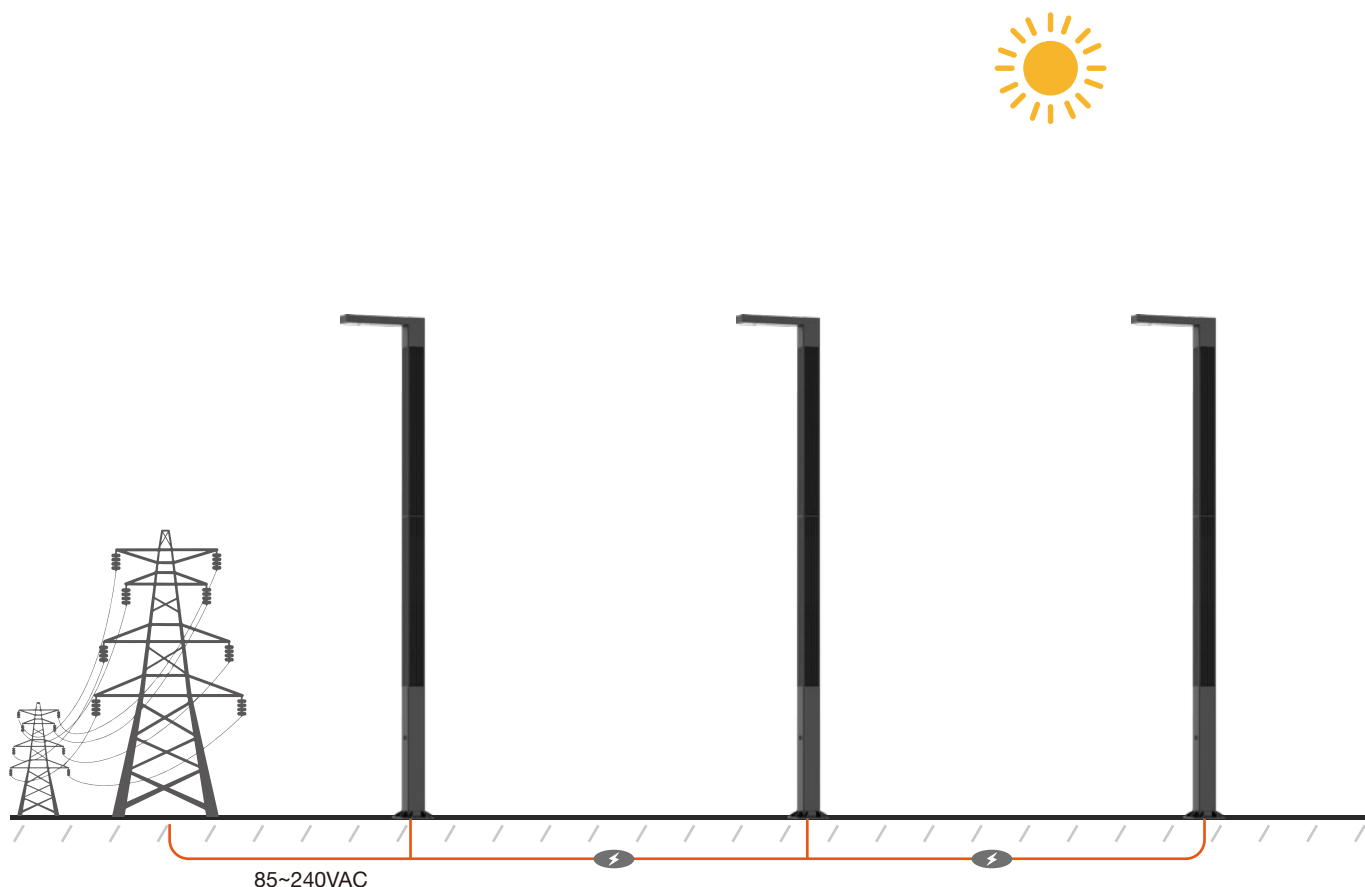
7H/50% +2H/Morning function

Mode C

12H/30%+2H/Morning function

Hybrid System with 220V Grid Supply (Optional)

The solar streetlight features a hybrid system with AC grid backup, ensuring reliable operation in areas with limited solar radiation or prolonged bad weather. The intelligent control system automatically switches to grid power when battery energy is low and returns to battery operation once fully recharged, guaranteeing continuous, uninterrupted lighting throughout the year.



FEATURES



High reliability

Dual power supply guarantee, no risk of lighting interruption.



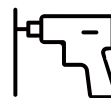
Energy saving

Give priority to the use of clean energy to reduce carbon emissions.



More economical

Reduce power consumption and low long-term use cost.



Flexible installation

Suitable for areas where solar energy resources are unstable or require high brightness.

AURORAS INNOTECH GUANGDONG CO., LTD.

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Street 59# Al-Kharj Industrial City, Riyadh SAUDI ARABIA