SKYBEAM

VERTICAL SOLAR LIGHTING POLE

3.2~5.2M

LightSource SOLAR
AUSTRALIA



SKYBEAM

Solar Architectural Pathway Light

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.





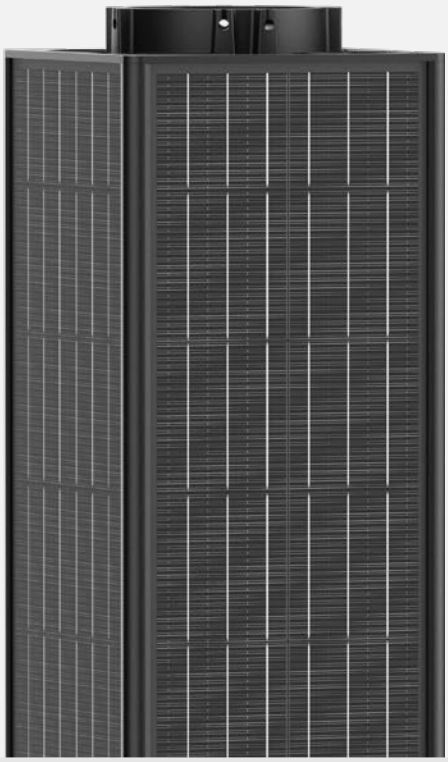
SOLVERT SKYBEAM



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.

Vertical
Solar Module

Monocrystalline Solar Panel

360° Full Day Charging

Half the area of the 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 gives great wind resistant performance up to 160km/H.

Aesthetics Appearance

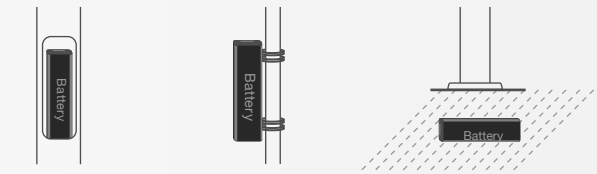
All the mounting poles adopted vertical PV cylinder blend into environments perfectly without disturbing the beauty of the view.





Modular
Battery Pack

Built into Poles I Outside of Poles



Inside the pole | Outside the pole | Buried in the ground

Flexible Installation
Supports both in-pole and external pole-mounted installation for maximum project flexibility.

LiFePO4 Technology
High-quality $LiFePO_4$ batteries deliver exceptional safety, high energy density, and over 4,000 charge cycles.

Intelligent BMS
Integrated Battery Management System protects against overcharge, over-discharge, overcurrent, and short circuits.

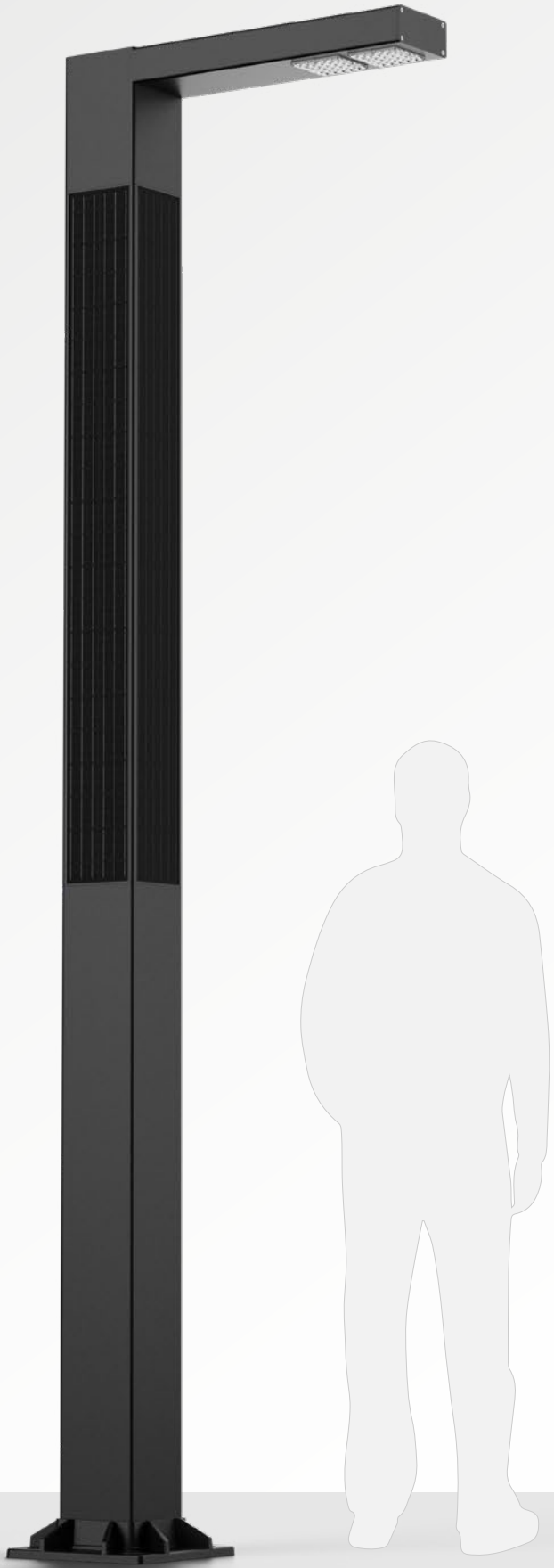
Efficient Heat Dissipation
Corrosion-resistant aluminum enclosure provides excellent heat dissipation and long-term outdoor durability.

Modular Design
Modular construction enables quick installation, easy replacement, and simplified maintenance.

Aesthetic Uniformity
Built into the pole for a clean, elegant, and integrated lighting solution.

3.2M Single Arm I 6,000lm

LightSource SOLAR AUSTRALIA



SKYBEAM

VERTICAL SOLAR LIGHTING POLE

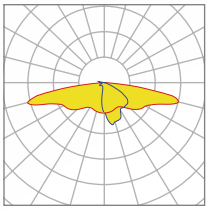
Model	**SKYBEAM**
Dimension	188*188*3200mm
Max LED Power	30W
Luminous Flux	6,000lm
LED Chips	SMD5050 5W/LED max
LED Lifetime	50,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 188Wp MONO *1nos
Total power	188Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 30AH
Lifetime	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

Regular Finish Colors

Black Black Walnut

Customizable Finish Colors

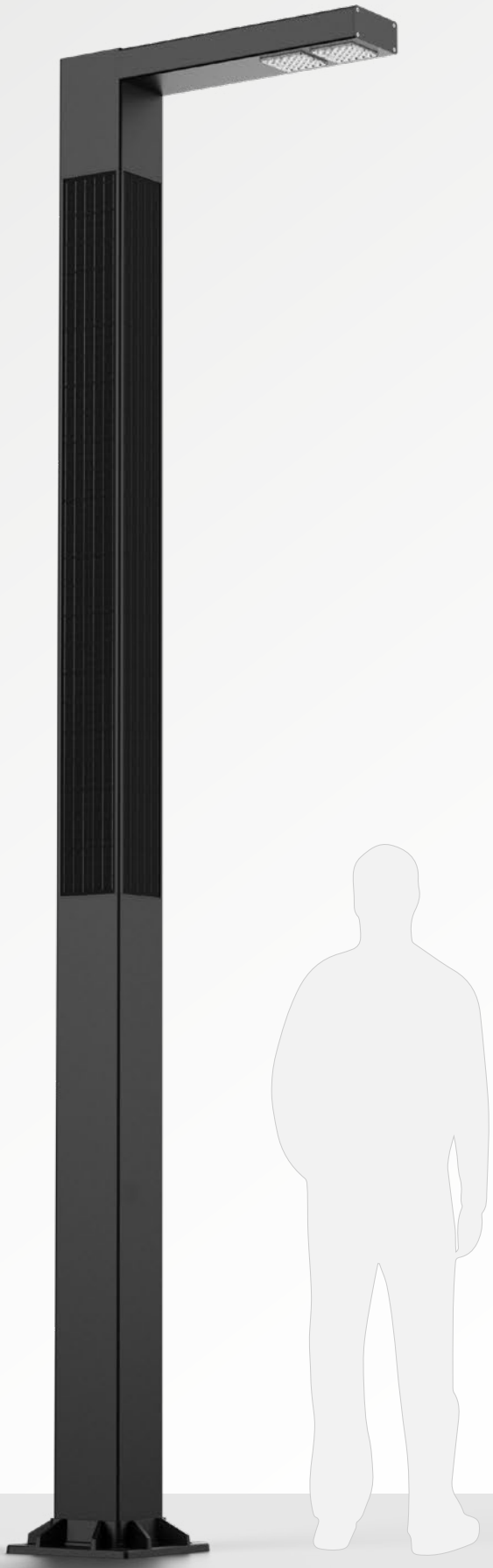
Grey White Oak Pine



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3.6M Single Arm I 7,200lm

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SKYBEAM

VERTICAL SOLAR LIGHTING POLE

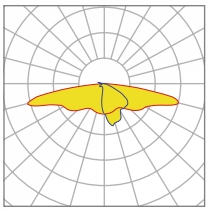
Model	**SKYBEAM**
Dimension	188*188*3600mm
Max LED Power	36W
Luminous Flux	7,200lm
LED Chips	SMD5050 5W/LED max
LED Lifetime	50,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 220Wp MONO *1nos
Total power	220Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 36AH
Lifetime	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

Regular Finish Colors

Black Black Walnut

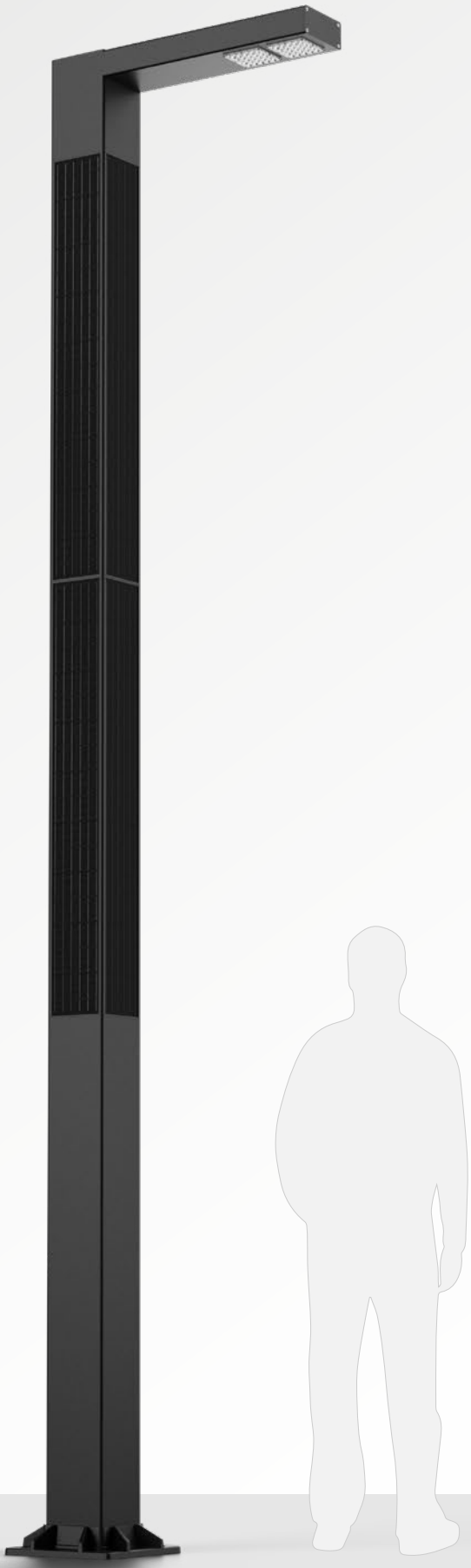
Customizable Finish Colors

Grey White Oak Pine



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4.2M Single Arm I 8,400lm



SKYBEAM

VERTICAL SOLAR LIGHTING POLE

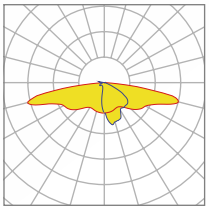
Model	**SKYBEAM**
Dimension	188*188*4200mm
Max LED Power	42W
Luminous Flux	8,400lm
LED Chips	SMD5050 5W/LED max
LED Lifetime	50,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 164Wp MONO *2nos
Total power	328Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 42AH
Lifetime	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

Regular Finish Colors

Black Black Walnut

Customizable Finish Colors

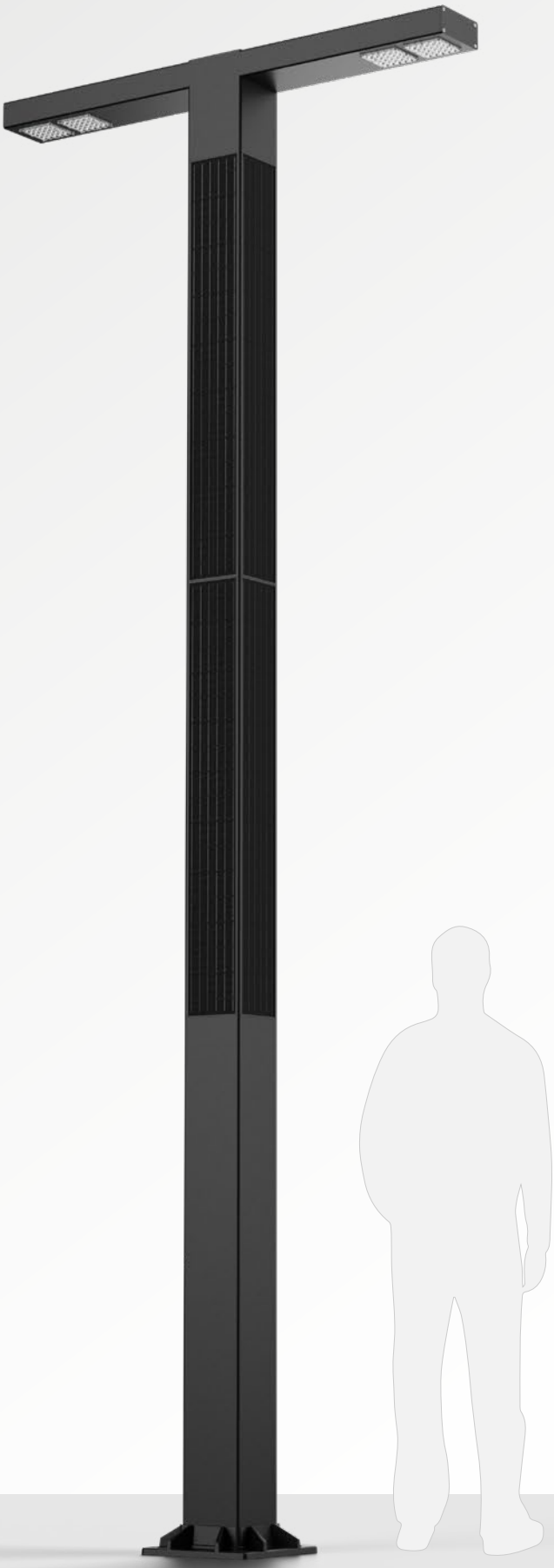
Grey White Oak Pine



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4.2M Double Arm I 8,000lm

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SKYBEAM

VERTICAL SOLAR LIGHTING POLE

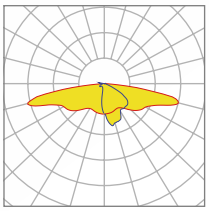
Model	**SKYBEAM**
Dimension	188*188*4200mm
Max LED Power	20W *2nos
Luminous Flux	4,000lm *2nos
LED Chips	SMD5050 5W/LED max
LED Lifetime	50,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 164Wp MONO *2nos
Total power	328Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 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

Regular Finish Colors

Black Black Walnut

Customizable Finish Colors

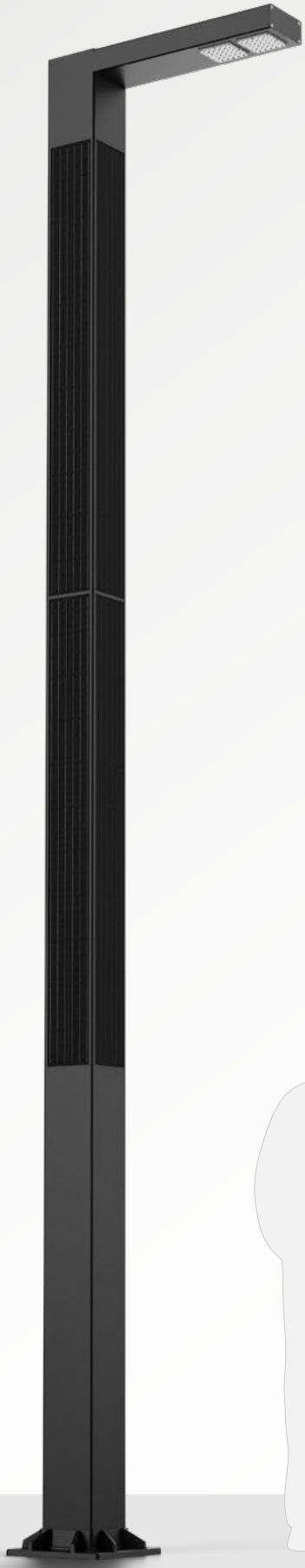
Grey White Oak Pine



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4.8M Single Arm I 9,600lm

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SKYBEAM

VERTICAL SOLAR LIGHTING POLE

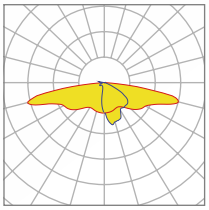
Model	**SKYBEAM**
Dimension	188*188*4800mm
Max LED Power	48W
Luminous Flux	9,600lm
LED Chips	SMD5050 5W/LED max
LED Lifetime	50,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 188Wp MONO *2nos
Total power	376Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 48AH
Lifetime	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

Regular Finish Colors

Black Black Walnut

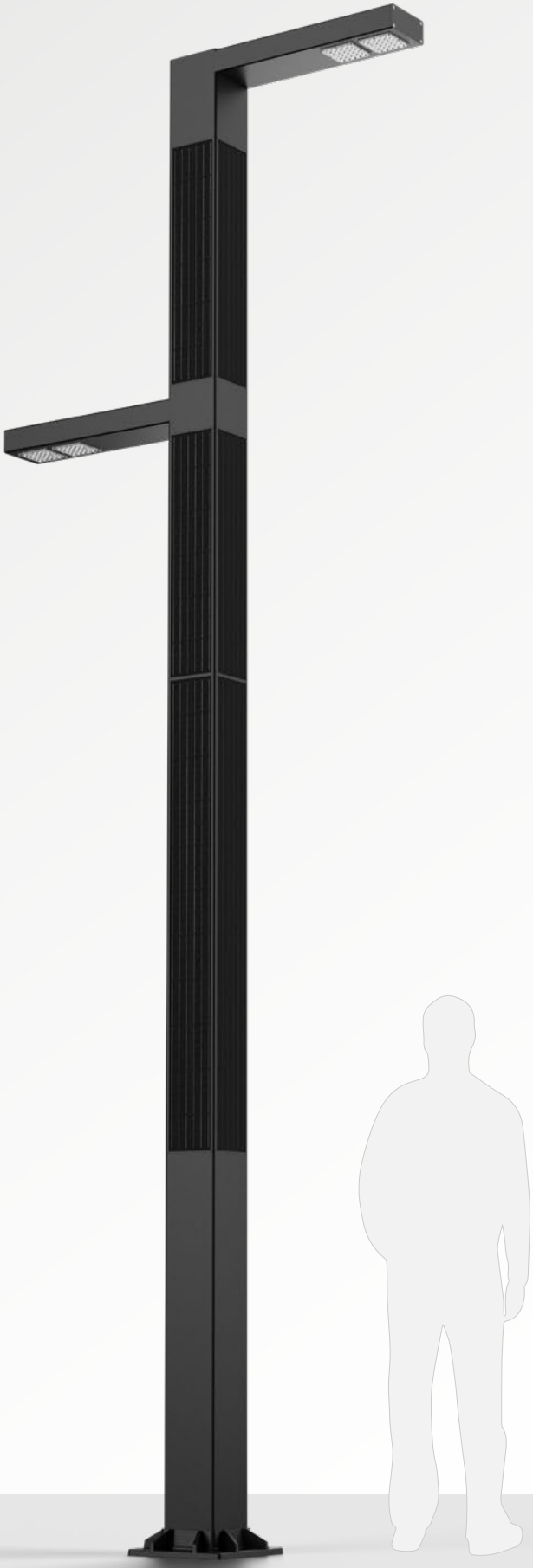
Customizable Finish Colors

Grey White Oak Pine



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4.8M Staggered Double Arm I 12,000lm



SKYBEAM

VERTICAL SOLAR LIGHTING POLE

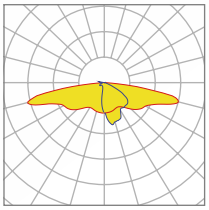
Model	**SKYBEAM**
Dimension	188*188*4800mm
Max LED Power	30W *2nos
Luminous Flux	6,000lm *2nos
LED Chips	SMD5050 5W/LED max
LED Lifetime	50,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 188Wp *1nos + 92Wp *2nos
Total power	372Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	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

Regular Finish Colors

Black Black Walnut

Customizable Finish Colors

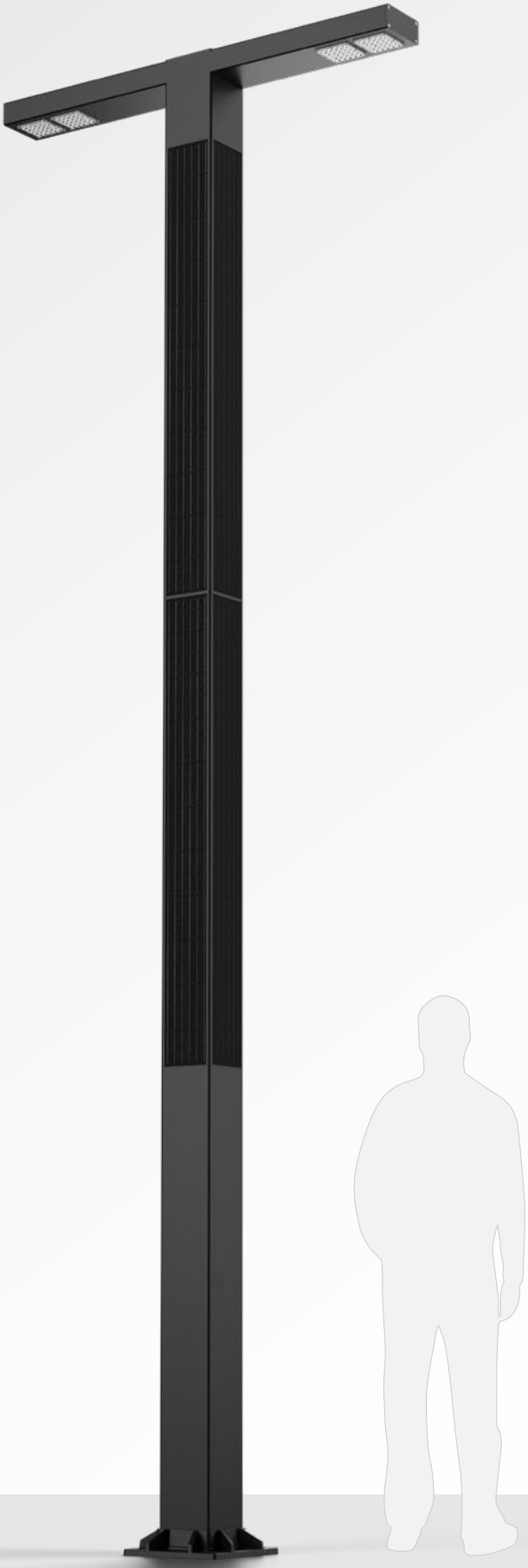
Grey White Oak Pine



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4.8M Double Arm I 12,000lm

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VERTICAL SOLAR LIGHTING POLE

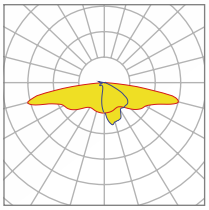
Model	**SKYBEAM**
Dimension	188*188*4800mm
Max LED Power	30W *2nos
Luminous Flux	6,000lm *2nos
LED Chips	SMD5050 5W/LED max
LED Lifetime	50,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 188Wp MONO *2nos
Total power	376Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 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

Regular Finish Colors

Black Black Walnut

Customizable Finish Colors

Grey White Oak Pine



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5.2M Single Arm I 12,000lm

LightSource SOLAR AUSTRALIA



SKYBEAM

VERTICAL SOLAR LIGHTING POLE

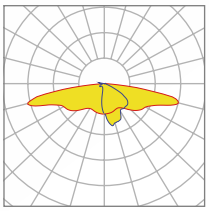
Model	**SKYBEAM**
Dimension	188*188*5200mm
Max LED Power	60W
Luminous Flux	12,000lm
LED Chips	SMD5050 5W/LED max
LED Lifetime	50,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 220Wp MONO *2nos
Total power	440Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 60AH
Lifetime	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

Regular Finish Colors

Black Black Walnut

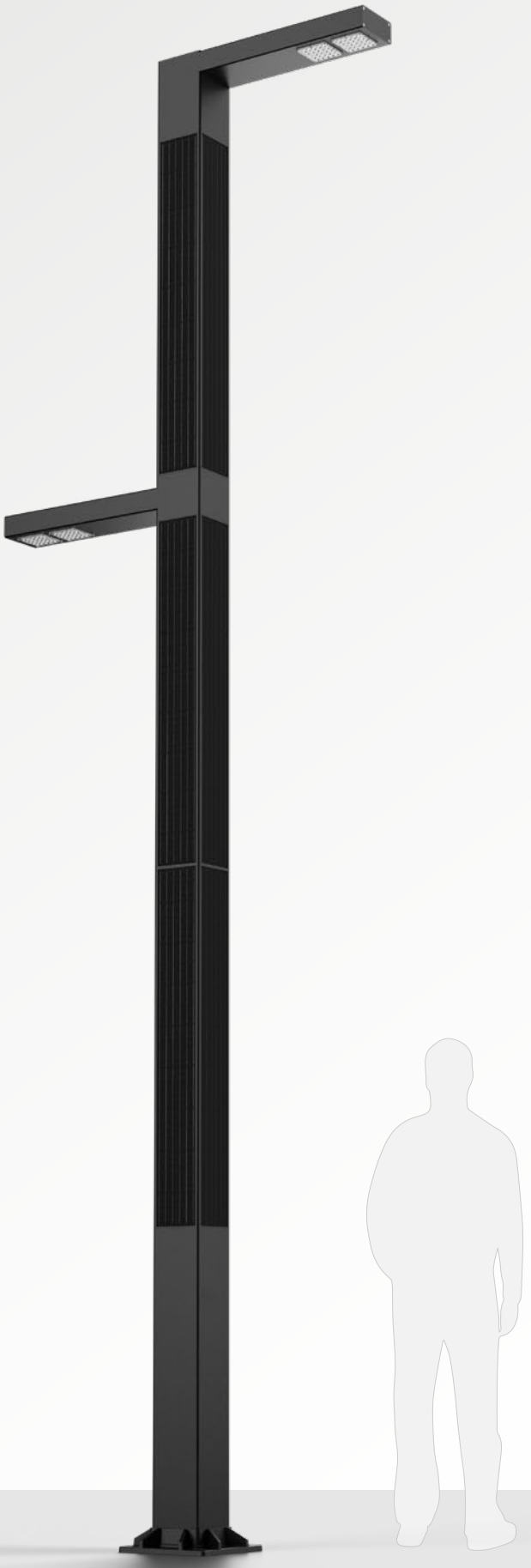
Customizable Finish Colors

Grey White Oak Pine



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5.2M Staggered Double Arm I 14,400lm



SKYBEAM

VERTICAL SOLAR LIGHTING POLE

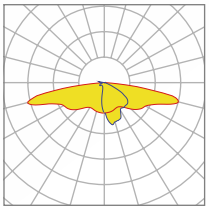
Model	**SKYBEAM**
Dimension	188*188*5200mm
Max LED Power	36W *2nos
Luminous Flux	7,200lm *2nos
LED Chips	SMD5050 5W/LED max
LED Lifetime	50,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 164Wp MONO *3nos
Total power	492Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 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

Regular Finish Colors

Black Black Walnut

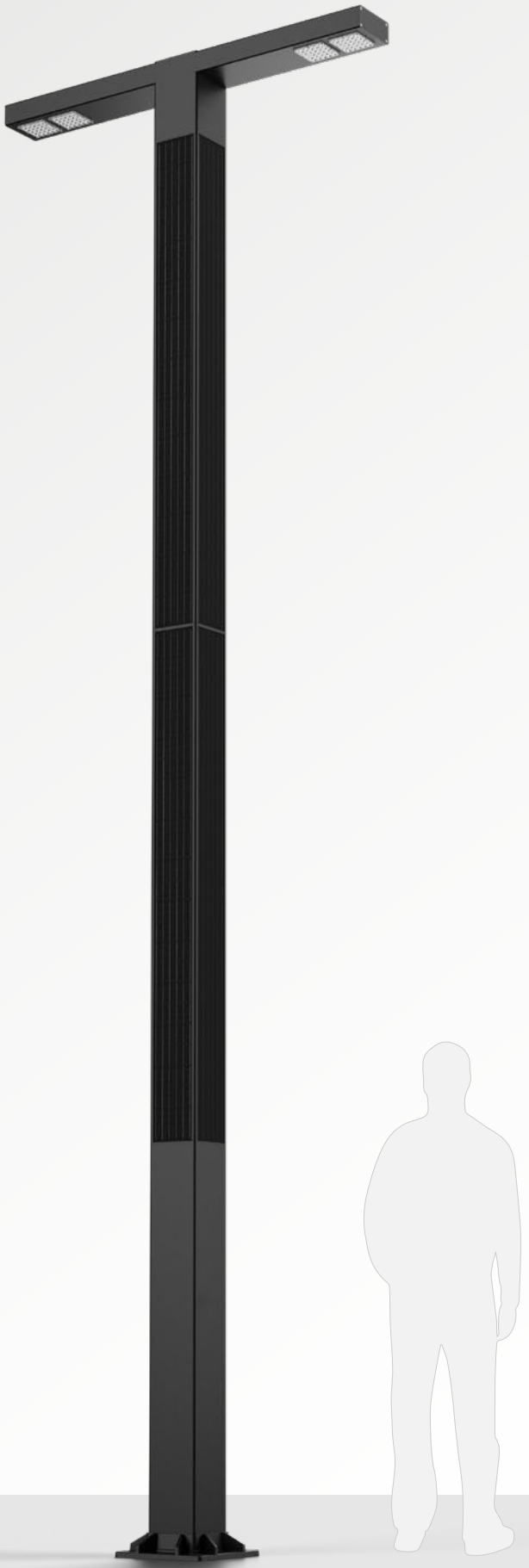
Customizable Finish Colors

Grey White Oak Pine



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5.2M Double Arm I 14,400lm



SKYBEAM

VERTICAL SOLAR LIGHTING POLE

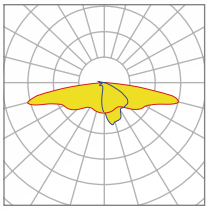
Model	**SKYBEAM**
Dimension	188*188*5200mm
Max LED Power	36W *2nos
Luminous Flux	7,200lm *2nos
LED Chips	SMD5050 5W/LED max
LED Lifetime	50,000H
CRI	Ra ≥70
CCT	2200K / 3000K / 4000K / 6000K
Solar Panel	36V 220Wp MONO *2nos
Total power	440Wp
Cell Efficiency	22.5%
Lifetime	>20 years
Battery Capacity	12.8V 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

Regular Finish Colors

Black Black Walnut

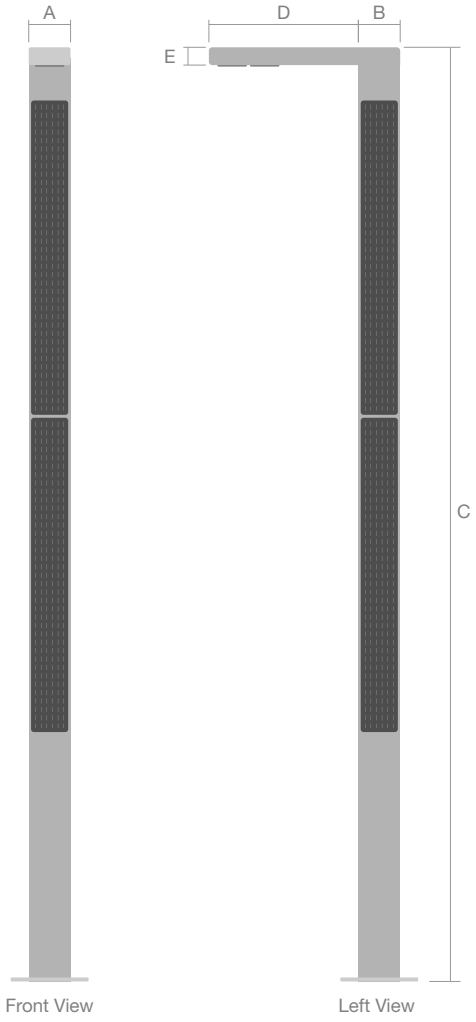
Customizable Finish Colors

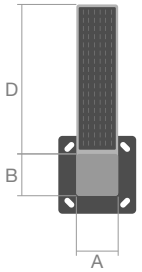
Grey White Oak Pine

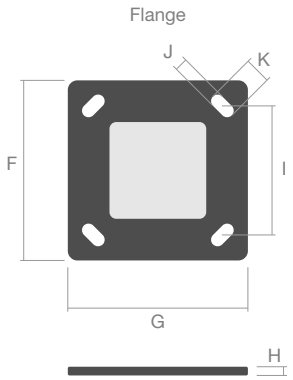


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Single Arm Series
Dimensions







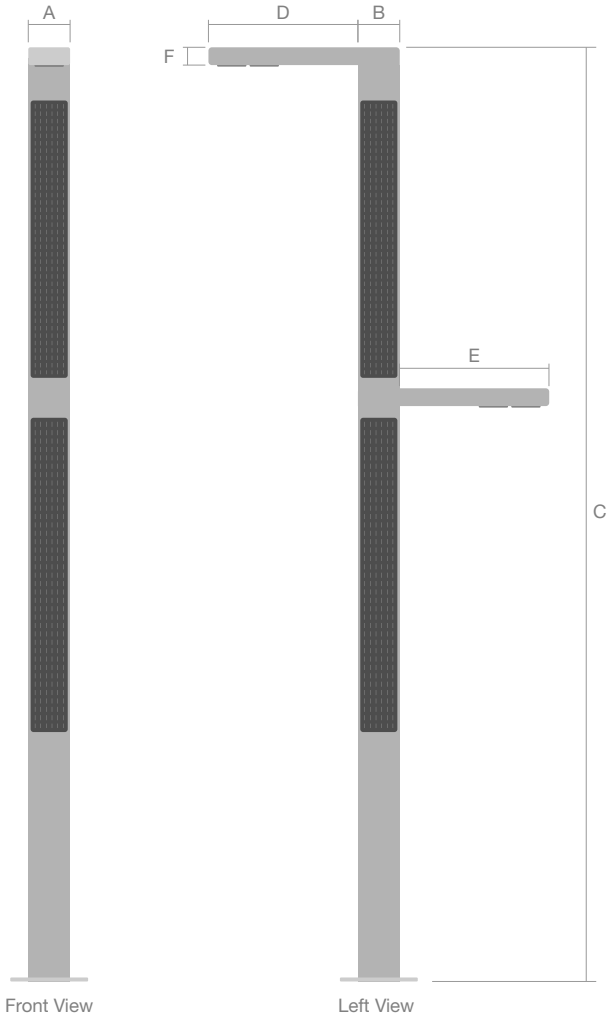
Dimensions (Unit : mm)

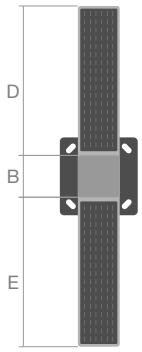
Model name	A (length)	B (width)	C (height)	D(Arm length)	E (Arm height)
Single Arm 280	188	188	2800	680	80
Single Arm 320	188	188	3200	680	80
Single Arm 360	188	188	3600	680	80
Single Arm 420	188	188	4200	680	80
Single Arm 480	188	188	4800	680	80
Single Arm 520	188	188	5200	680	80

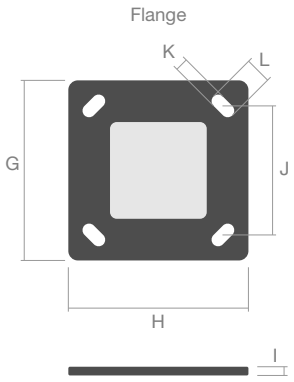
Flange Dimensions (Unit : mm)

Model name	F (length)	G (width)	H (Thickness)	I (Hole spacing)	J (hole length)	K (hole width)
Single Arm 280	330	330	16	250	24	43
Single Arm 320	330	330	16	250	24	43
Single Arm 360	330	330	16	250	24	43
Single Arm 420	330	330	16	250	24	43
Single Arm 480	330	330	16	250	24	43
Single Arm 520	330	330	16	250	24	43

Staggered Double Arm Series
Dimensions







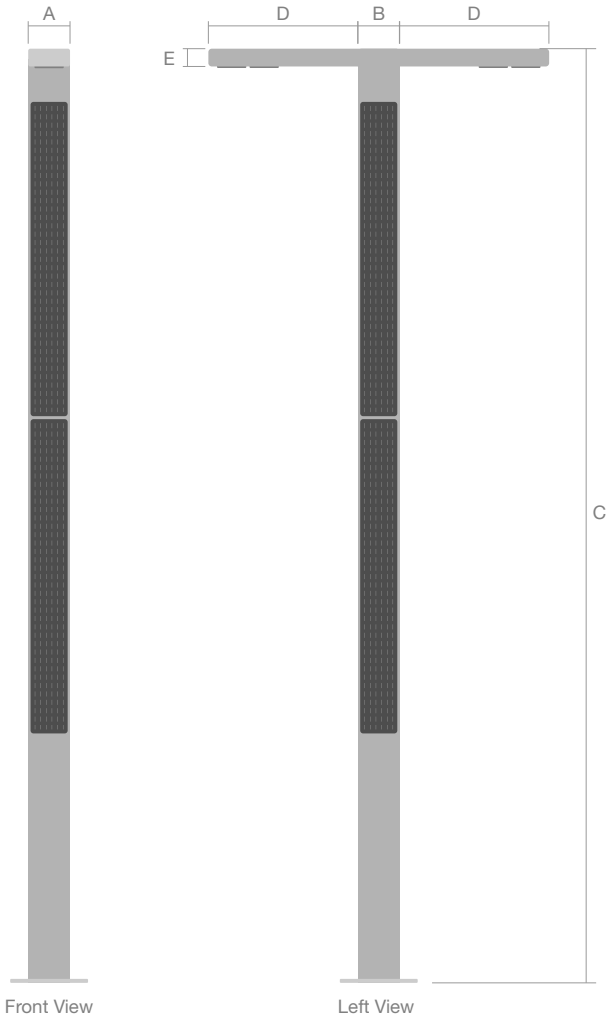
Dimensions (Unit : mm)

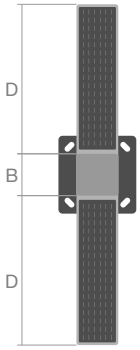
Model name	A (length)	B (width)	C (height)	D(Arm length)	E (Arm length)	F (Arm height)
Staggered Double Arm 280	188	188	2800	680	680	80
Staggered Double Arm 320	188	188	3200	680	680	80
Staggered Double Arm 360	188	188	3600	680	680	80
Staggered Double Arm 420	188	188	4200	680	680	80
Staggered Double Arm 480	188	188	4800	680	680	80
Staggered Double Arm 520	188	188	5200	680	680	80

Flange Dimensions (Unit : mm)

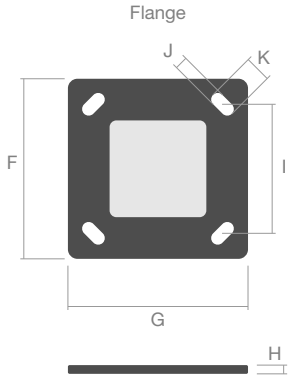
Model name	G (length)	H (width)	I (Thickness)	J (Hole spacing)	K (hole length)	L (hole width)
Staggered Double Arm 280	330	330	16	250	24	43
Staggered Double Arm 320	330	330	16	250	24	43
Staggered Double Arm 360	330	330	16	250	24	43
Staggered Double Arm 420	330	330	16	250	24	43
Staggered Double Arm 480	330	330	16	250	24	43
Staggered Double Arm 520	330	330	16	250	24	43

Double Arm Series
Dimensions





Top View



Dimensions (Unit : mm)

Model name	A (length)	B (width)	C (height)	D(Arm length)	E (Arm height)
Double Arm 280	188	188	2800	680	80
Double Arm 320	188	188	3200	680	80
Double Arm 360	188	188	3600	680	80
Double Arm 420	188	188	4200	680	80
Double Arm 480	188	188	4800	680	80
Double Arm 520	188	188	5200	680	80

Flange Dimensions (Unit : mm)

Model name	F (length)	G (width)	H (Thickness)	I (Hole spacing)	J (hole length)	K (hole width)
Double Arm 280	330	330	16	250	24	43
Double Arm 320	330	330	16	250	24	43
Double Arm 360	330	330	16	250	24	43
Double Arm 420	330	330	16	250	24	43
Double Arm 480	330	330	16	250	24	43
Double Arm 520	330	330	16	250	24	43





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.

IoT Smart Control Solutions (Optional)

Our solar street lights can be seamlessly integrated with advanced IoT communication modules, allowing each street light to automatically report key data such as operating status, battery health and solar power generation, while supporting remote switching, adaptive dimming and instant fault diagnosis.

Single light control

Wireless Network

Malfunction management

Energy consumption analysis

Intelligent monitoring

01

LoRaWAN®

SMART CONTROL SOLUTION

Advantages

Ultra-low power consumption, ultra-long distance

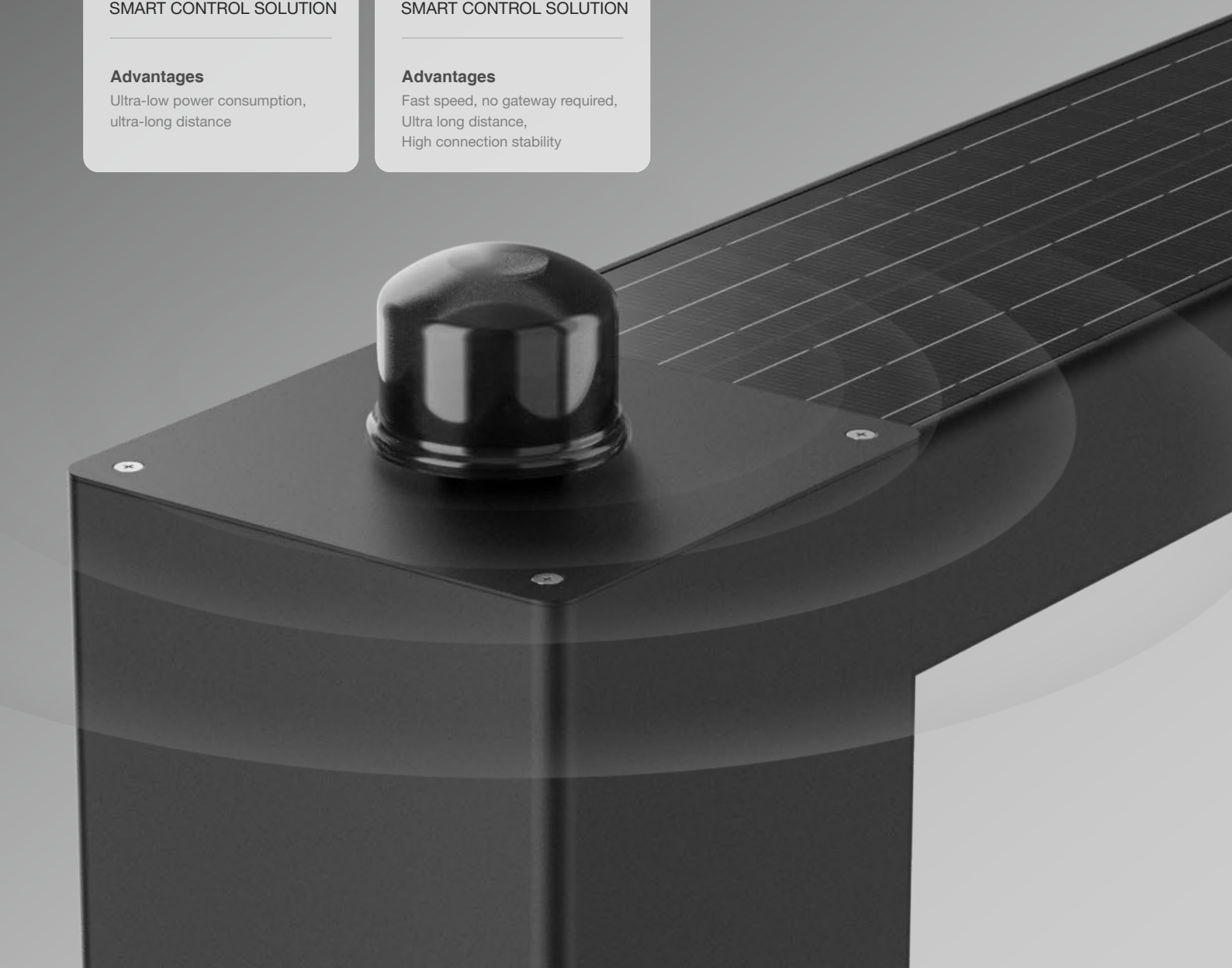
02

4G Wireless

SMART CONTROL SOLUTION

Advantages

Fast speed, no gateway required, Ultra long distance, High connection stability





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

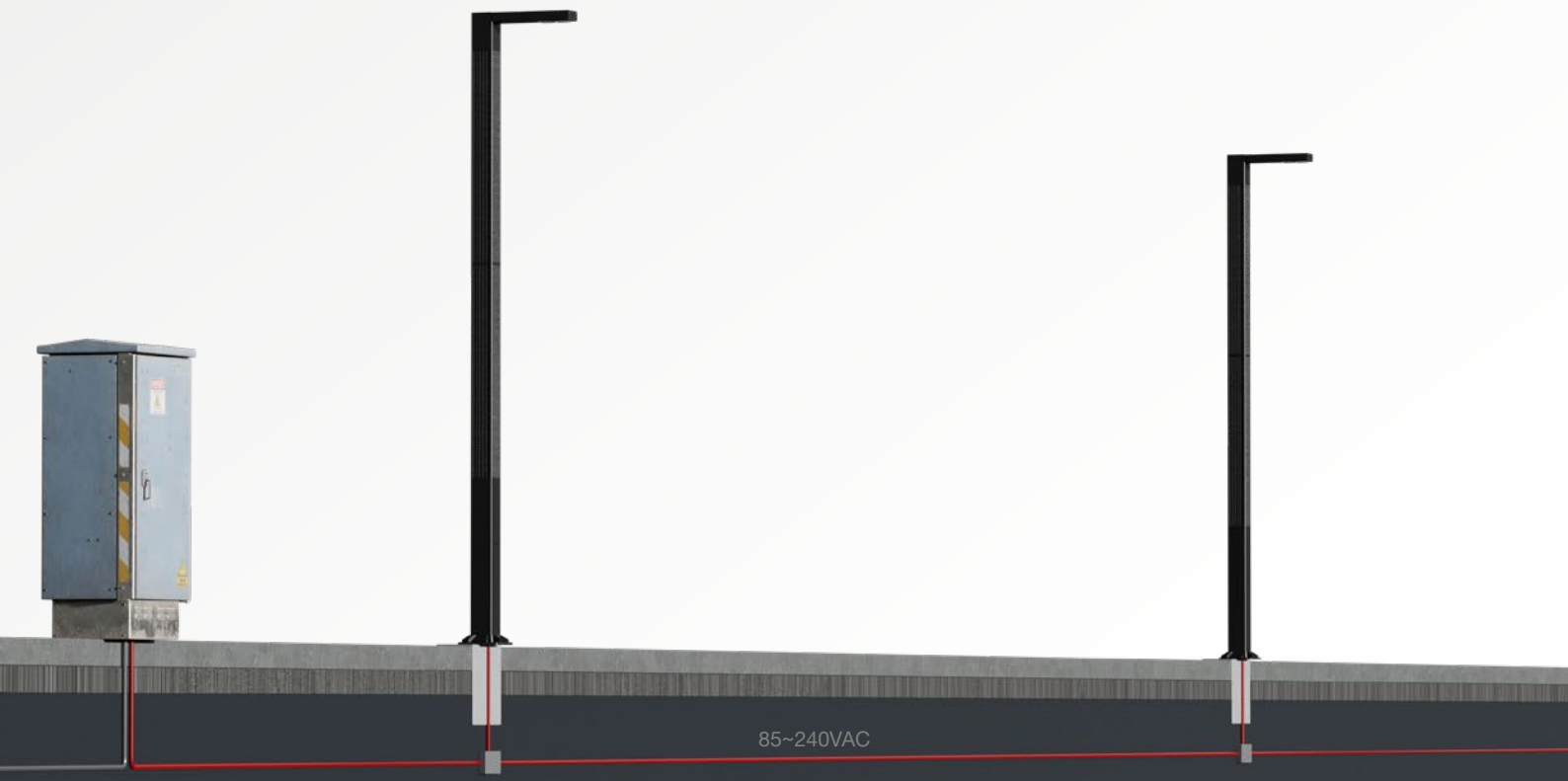
5H/100%	7H/50% +2H/Morning function

Mode C

12H/30%+2H/Morning function

Hybrid System with 240V 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.



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.

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Discover More...

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