



Mars Series

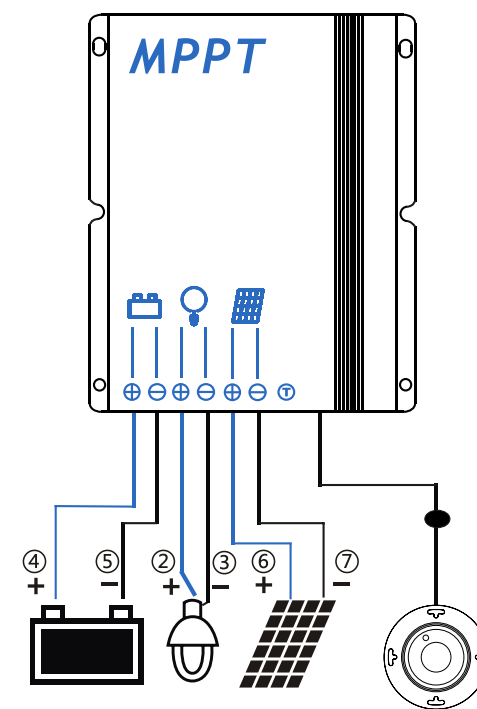
*Solar Powered LED
Architectural Lighting
Solutions*












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MARS-LED Solar Area Lights



Solar Charge Controller



-  Innovative max power point tracking (MPPT) technology, tracking efficiency >99%
-  Automatic recognition of system voltage, 12V and 24V
-  Full digital technology, high charge & discharge conversion efficiency up to 96%
-  Motion detection for adapting dimming levels based on pedestrian needs
-  Precision constant current control supports from 50mA up to 3000mA
-  External temperature sensor
-  5 Step dimming can be programmed from 0% to 100% levels
-  IP67, Strong and durable aluminum case
-  Remote control operation
-  Full automatic electronic protection
-  Low voltage disconnect (LVD) and reconnect (LVR) settings in order to keep battery life healthy

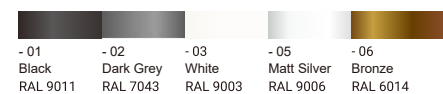


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Mars- Solar LED Architectural Area Lights



Finish Color Codes



SPECIFICATIONS

SPECIFICATION

Model Number ST-MARS-S-30 / ST-MARS-S-35
 Height 3000mm / 3500mm

MATERIALS

Pole Material Aluminum 6063
 Pole Color Bronze / Black / Wood Grain / customized finishes available
 IP&IK Protection IP65, IK10
 Operating Temp -25°C ~ +45°C
 Warranty 10 Years

LED LIGHT

LED Chips Philips
 Power Consumption Factory Set 30W (1-30W adjustable at site)
 Output 170LM/W
 Light Distribution T2 T5
 Color 3000K / 4000K / 5000K
 Runtime STD-4 Step dimming

BATTERY

Capacity 12.8V 42Ah LiFePo4
 Cycles 3000

SOLAR MODULE

Watt Pmax 35W×4 Monocrystalline
 Design life 25 Years

MOUNTING OPTIONS

Direct bury
 Base plate mount



SPECIFICATION

Model Number ST-MARS-S-40 / ST-MARS-S-45 / ST-MARS-S-50
 Height 4000mm / 4500mm / 5000mm

MATERIALS

Pole Material Aluminum 6063
 Pole Color Bronze / Black / Wood Grain / customized finishes available
 IP&IK Protection IP65, IK10
 Operating Temp -25°C ~ +45°C
 Warranty 10 Years

LED LIGHT

LED Chips Philips
 Power Consumption Factory Set 60W (1-60W adjustable at site)
 Output 160LM/W
 Light Distribution T2 T5
 Color 3000K / 4000K / 5000K
 Runtime STD-4 Step dimming

BATTERY

Capacity 25.6V 42Ah LiFePo4
 Cycles 3000

SOLAR MODULE

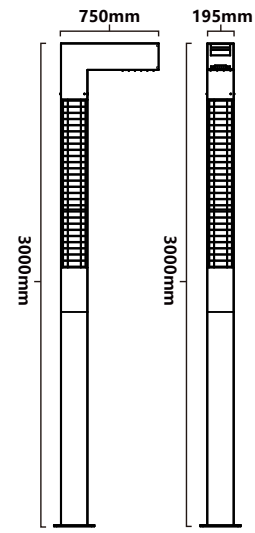
Watt Pmax 70W×4 Monocrystalline
 Design life 25 Years

MOUNTING OPTIONS

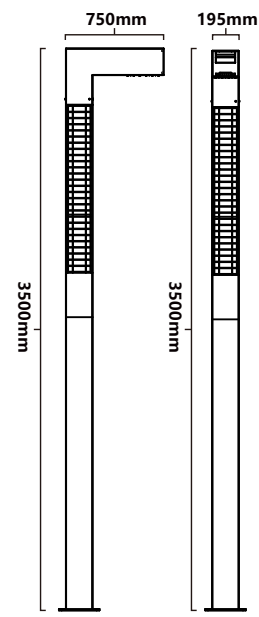
Direct bury
 Base plate mount



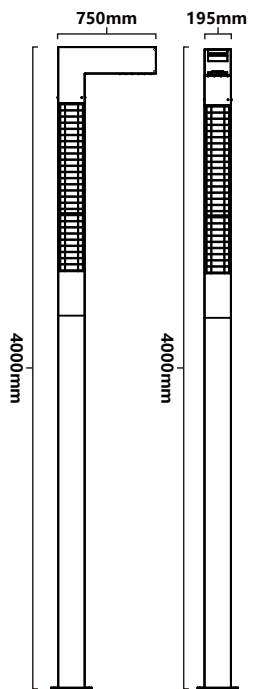
DIMENSIONS



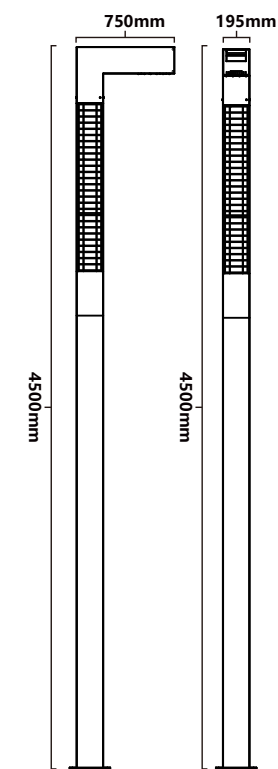
ST-MARS-A1-3000mm



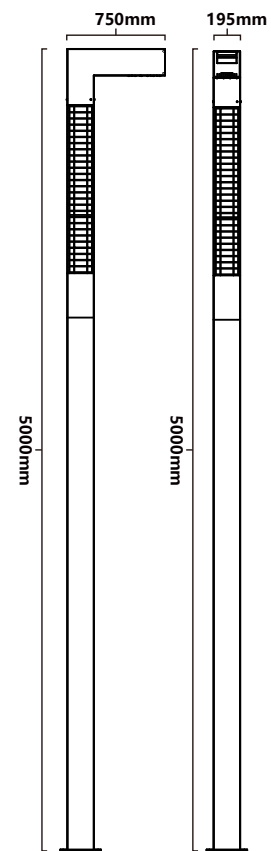
ST-MARS-A1-3500mm



ST-MARS-A2-4000mm

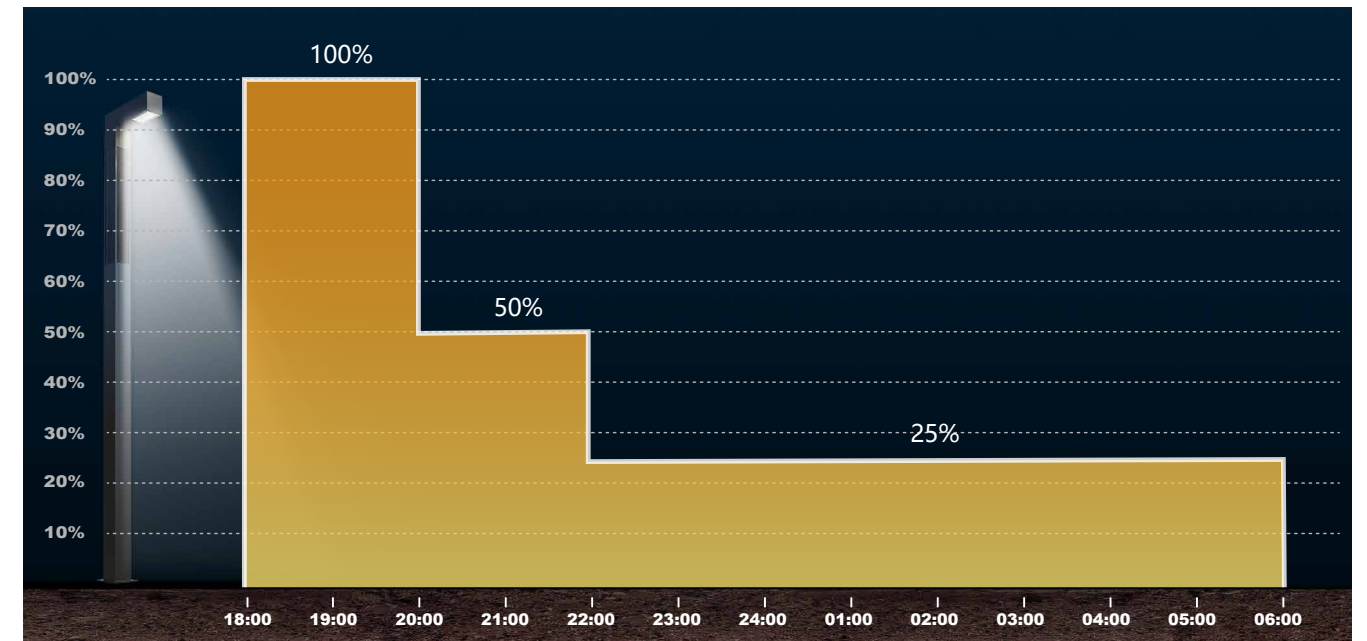


ST-MARS-A2-4500mm



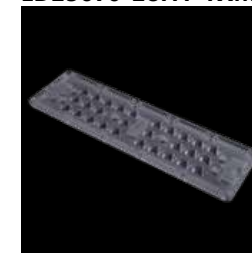
ST-MARS-A2-5000mm

FACTORY SET SCHEDULE

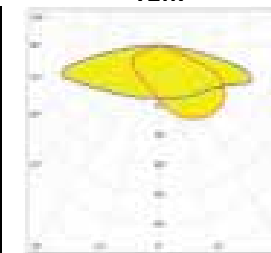


LIGHTING DISTRIBUTION

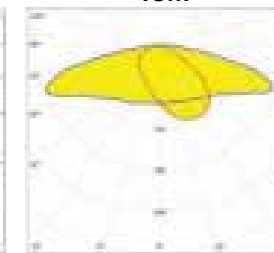
LD23670-28H1-TXM



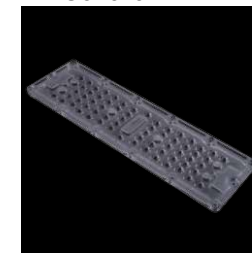
T2M



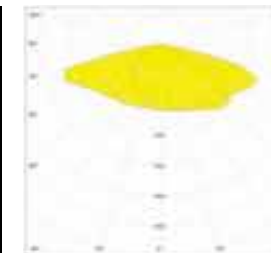
T3M



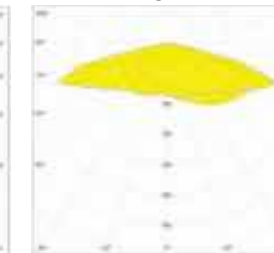
LD23670-64H1-TXM



T2M



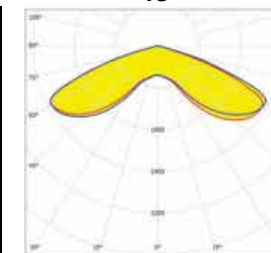
T3M



LD23670-28H1-T5



T5



Mars —LED Solar Area Lights

Solar street light is the use of solar panels to absorb sunlight, and then through the sealed battery storage energy, and finally through the crystal silicon solar cell to complete the power supply, very convenient use, because of the function of energy storage, so even if the continuous cloudy or rainy days, can keep the lamp normal use.

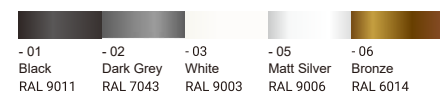


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Mars- Solar LED Architectural Area Lights



Finish Color Codes



SPECIFICATIONS

SPECIFICATION

Model Number ST-MARS-DD-40 / ST-MARS-DD-45 / ST-MARS-DD-50
 Height 4000mm / 4500mm / 5000mm

MATERIALS

Pole Material Aluminum 6063
 Pole Color Bronze / Black / Wood Grain / customized finishes available
 IP&IK Protection IP65, IK10
 Operating Temp -25°C ~ +45°C
 Warranty 10 Years

LED LIGHT

LED Chips Philips
 Power Consumption Factory Set 60W ×2 (1-60W adjustable at site)
 Output 160LM/W
 Light Distribution T2 T5
 Color 3000K / 4000K / 5000K
 Runtime STD-4 Step dimming

BATTERY

Capacity 25.6V 42Ah LiFePo4
 Cycles 2000

SOLAR MODULE

Watt Pmax 70W×8 Monocrystalline
 Design life 25 Years

MOUNTING OPTIONS

Direct bury
 Base plate mount



SPECIFICATION

Model Number ST-MARS-DS-40 / ST-MARS-DS-45 / ST-MARS-DS-50
 Height 4000mm / 4500mm / 5000mm

MATERIALS

Pole Material Aluminum 6063
 Pole Color Bronze / Black / Wood Grain / customized finishes available
 IP&IK Protection IP65, IK10
 Operating Temp -25°C ~ +45°C
 Warranty 10 Years

LED LIGHT

LED Chips Philips
 Power Consumption Factory Set 60W / 30W (1-60W adjustable at site)
 Output 160-170LM/W
 Light Distribution T2 T5
 Color 3000K / 4000K / 5000K
 Runtime STD-4 Step dimming

BATTERY

Capacity 25.6V 42Ah LiFePo4
 Cycles 2000

SOLAR MODULE

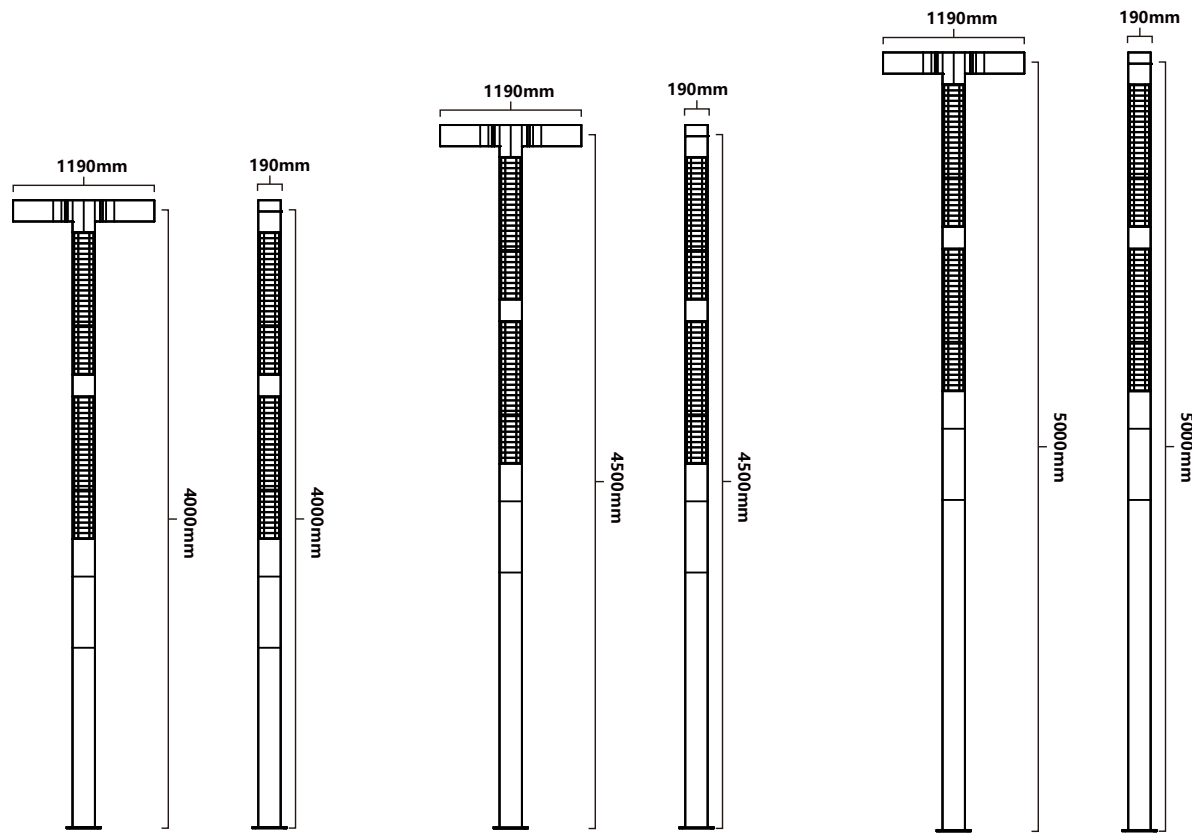
Watt Pmax 70W×4 & 35W×4
 Design life 25 Years

MOUNTING OPTIONS

Direct bury
 Base plate mount



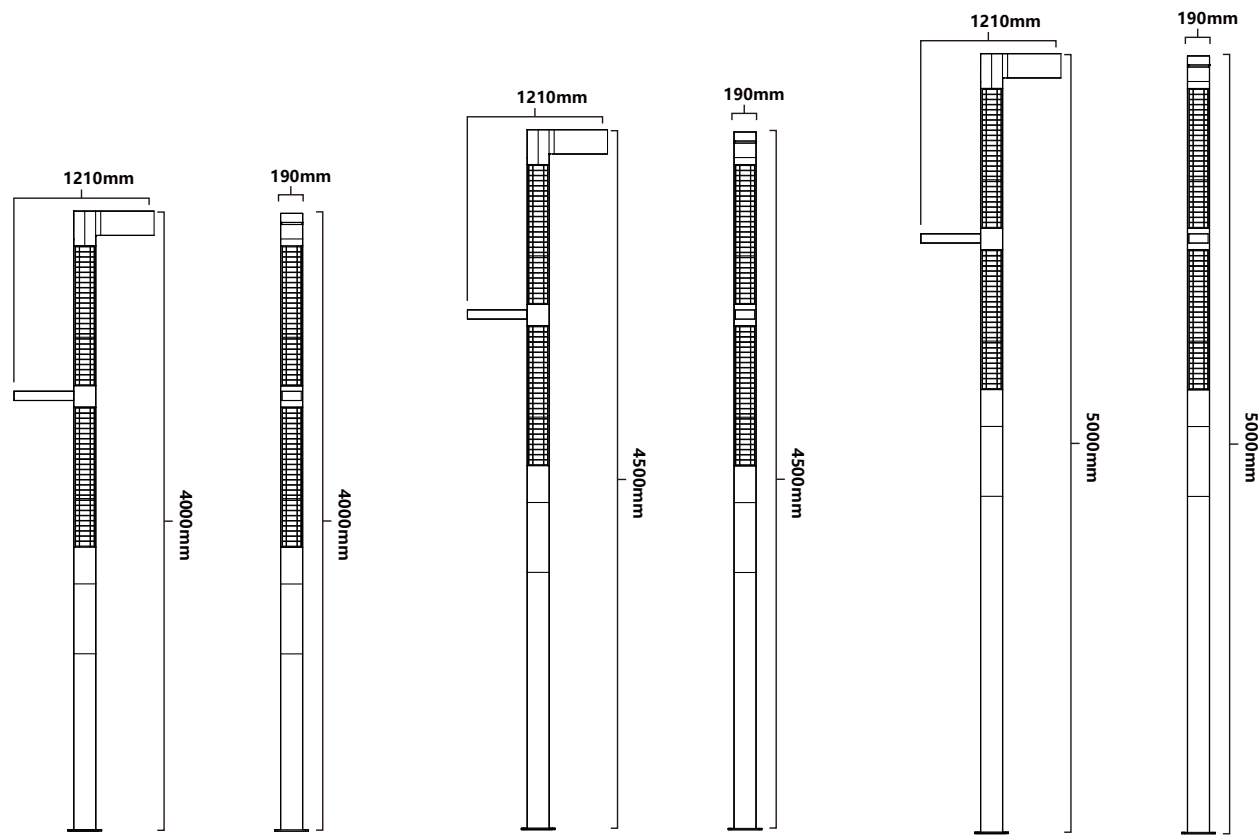
DIMENSIONS



ST-MARS-B1-4000mm

ST-MARS-B1-4500mm

ST-MARS-B1-5000mm

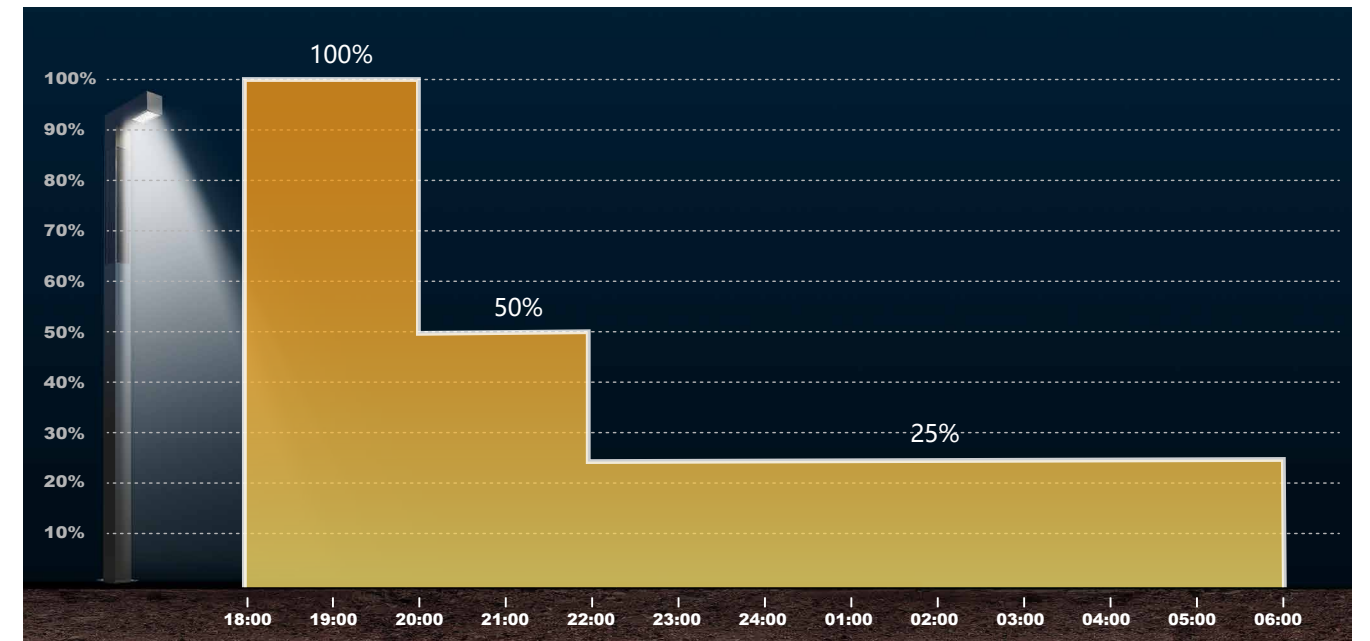


ST-MARS-B2-4000mm

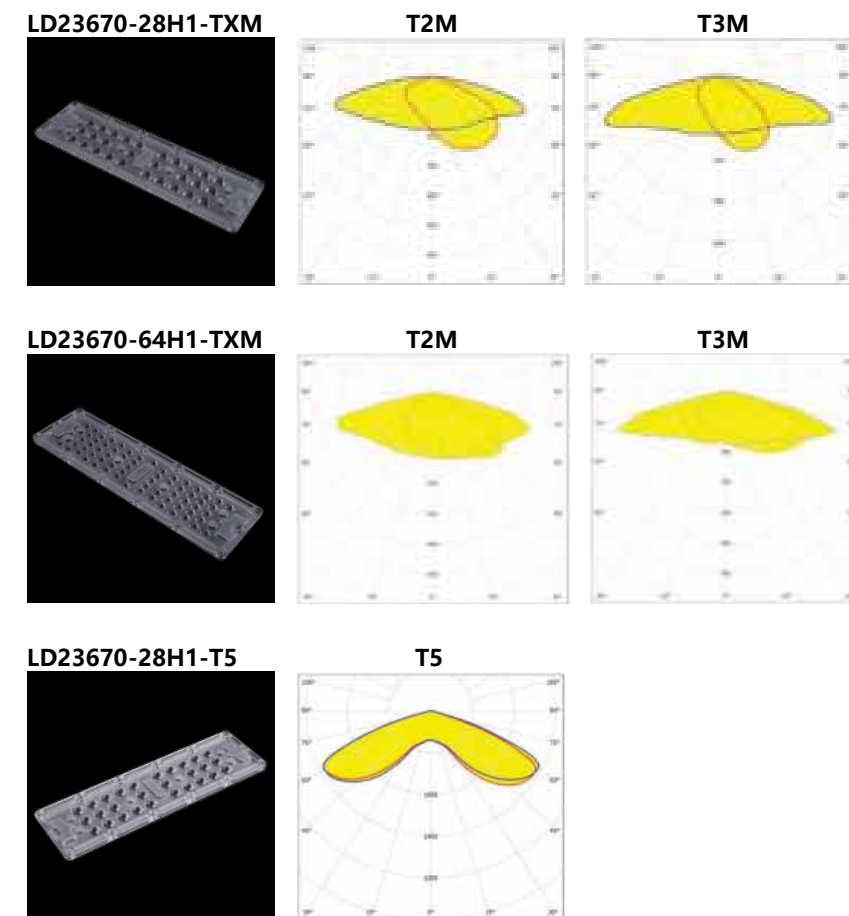
ST-MARS-B2-4500mm

ST-MARS-B2-5000mm

FACTORY SET SCHEDULE

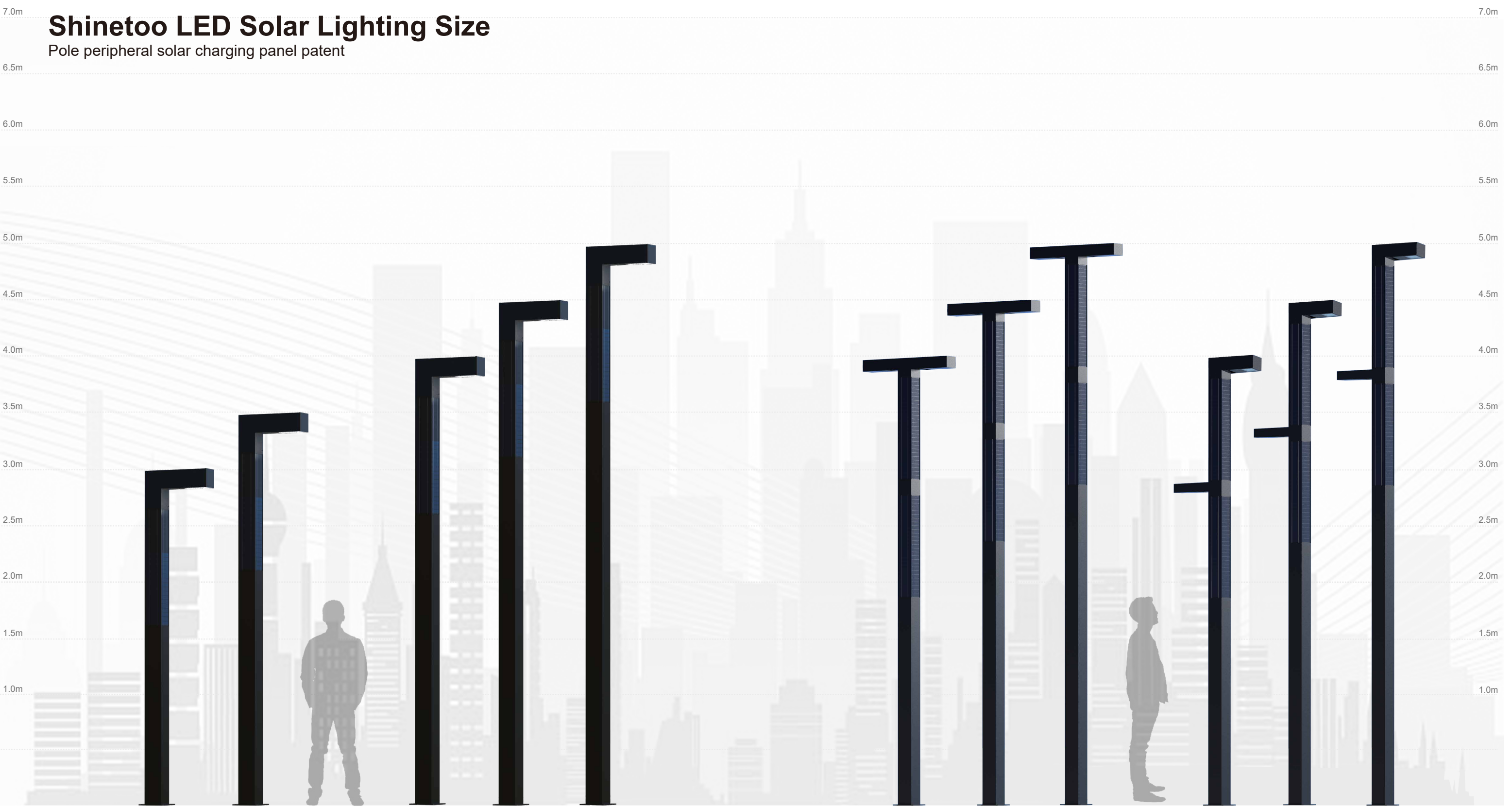


LIGHTING DISTRIBUTION



Shinetoo LED Solar Lighting Size

Pole peripheral solar charging panel patent



ST-MARS-A1

ST-MARS-A2

ST-MARS-B1

ST-MARS-B2



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