

truelite®

10+
YEARS
EXPERIENCE



Smart Solar Outdoor Lights

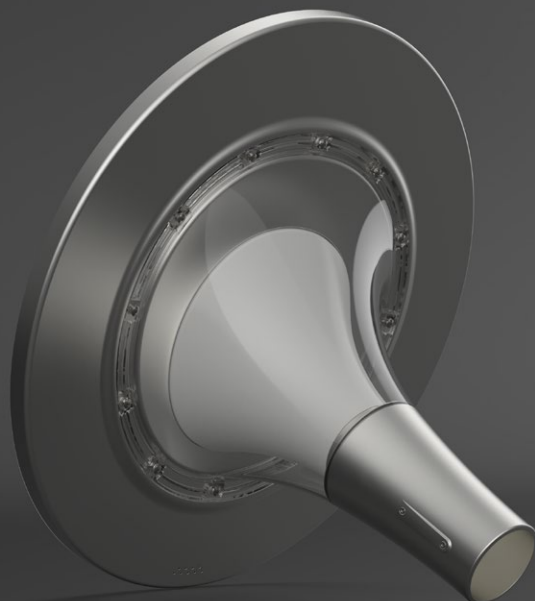
Sunscape
SOLAR BOLLARD

sunyard
solar garden light

SUN
BEAM
Solar Flood Light



SunScape
Solar Bollard



SunYard
Solar Garden Light



SunScape
Wall Light



SunBeam
Solar Flood Light



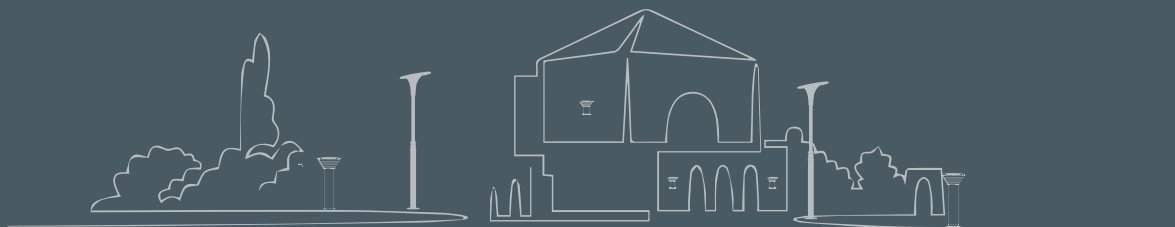
Truelite solar is an industry leading company in solar lighting solutions. Head quartered in the USA, Truelite operates in 18 countries with a unique catalogue of solar lighting products. The products are unique in design, development and applications, with advanced technology back up for easy use and maintenance free deployment in most challenging applications. The lights are manufactured in the state of the art manufacturing facilities, tested and certified for high quality standards.

We have patented products in solar area and roadway lighting series with integrated lithium battery banks and controllers make the light the perfect solution for commercial, humanitarian and reconstruction projects.

Truelite's advantage against the traditional solar lighting benefit the customers with huge cost savings in the areas of procurement, logistics, installation and maintenance.

Truelite has vast experience in supporting projects across the world, and works with many organizations for their solar lighting requirements.

Our vision is to excel and to be the leading solar lighting company globally by developing advanced solar lighting solutions for our customers that exceeds their quality expectations.



SunScape

SOLAR BOLLARD

27cm | 38cm | 60cm | 90cm

Solar for Landscape Lighting

SunScape Solar bollard from Truelite is the answer to the professional landscape lighting projects with solar. Made of extremely durable materials and certified IK10, makes SunScape the industry leading product in solar bollard lights. The SunScape light head is made of unbreakable polycarbonate material in a curved design, prevents dust accumulation on the surface and helps 96% transmittance of light. The design maximizes the irradiance to the solar cells for better efficiency and the body is diecast aluminum built to the highest manufacturing standards.

SunScape is designed to work all night with user defined settings for color temperature, light levels and equipped with inbuilt motion sensor and can work dusk dawn. The system is a fully integrated product with built in 6.2 watts PV, lithium LFP battery bank and smart controller, produces 400 Lumens, provides 2 days of autonomy, makes the perfect choice for projects and home use. SunScape is very easy to install, vandal proof and offered in standard colors and sizes with an option to customise for project requirements.

Key Features ▶







Body Color Options



Grey



Black

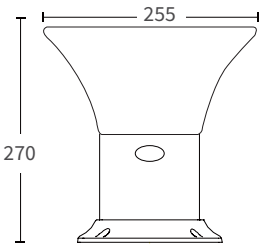


White

Product Specification

Model Number	TLGL255R-27S
Dimensions	27cm
Solar Panel	6.2W 5V MONO
Battery	LiFePo4 12AH / 3.2V
LED Source	2.2W
Luminous flux	>320lm
CCT	3000K, 4000K, 6000K (Switchable by button)
Control method	Press button to change color
Remote control	Optional
Charging time	5 hours
Discharging time	>24 hours
Working Temp.	-15°C~ +70°C
Enclosure Rating	IP65 + IK10
Housing Material	Polycarbonate + aluminium
Battery Lifetime	>2000 Cycles

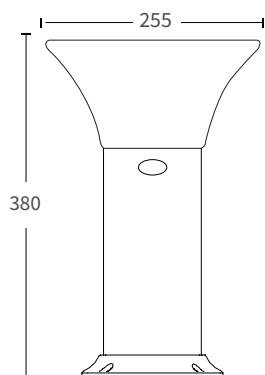
Product Dimensions



Product Specification

Model Number	TLGL255R-38S
Dimensions	38cm
Solar Panel	6.2W 5V MONO
Battery	LiFePo4 12AH / 3.2V
LED Source	2.2W
Luminous flux	>320lm
CCT	3000K, 4000K, 6000K (Switchable by button)
Control method	Press button to change color
Remote control	Optional
Charging time	5 hours
Discharging time	>24 hours
Working Temp.	-15°C~ +70°C
Enclosure Rating	IP65 + IK10
Housing Material	Polycarbonate + aluminium
Battery Lifetime	>2000 Cycles

Product Dimensions



Sunscape
SOLAR BOLLARD



Body Color Options



Grey



Black



White



Body Color Options



Grey



Black

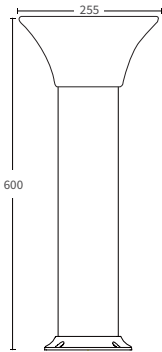


White

Product Specification

Model Number	TLGL255R-60S
Dimensions	60cm
Solar Panel	6.2W 5V MONO
Battery	LiFePo4 12AH / 3.2V
LED Source	2.2W
Luminous flux	>320lm
CCT	3000K, 4000K, 6000K (Switchable by button)
Control method	Press button to change color
Remote control	Optional
Charging time	5 hours
Discharging time	>24 hours
Working Temp.	-15°C~ +70°C
Enclosure Rating	IP65 + IK10
Housing Material	Polycarbonate + aluminium
Battery Lifetime	>2000 Cycles

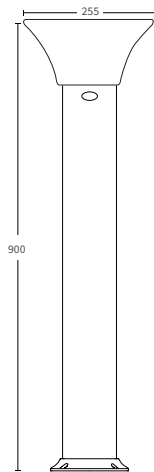
Product Dimensions



Product Specification

Model Number	TLGL255R-90S
Dimensions	90cm
Solar Panel	6.2W 5V MONO
Battery	LiFePo4 12AH / 3.2V
LED Source	2.2W
Luminous flux	>320lm
CCT	3000K , 4000K, 6000K (Switchable by button)
Control method	Press button to change color
Remote control	Optional
Charging time	5 hours
Discharging time	>24 hours
Working Temp.	-15°C~ +70°C
Enclosure Rating	IP65 + IK10
Housing Material	Polycarbonate + aluminium
Battery Lifetime	>2000 Cycles

Product Dimensions



Body Color Options



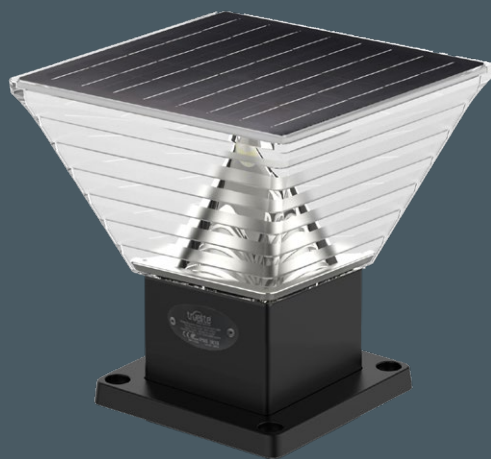
Grey



Black



White



Body Color Options



Grey



Black

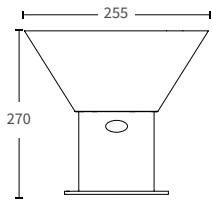


White

Product Specification

Model Number	TLGL255S-27S
Dimensions	27cm
Solar Panel	9.2W 5V MONO
Battery	LiFePo4 12AH / 3.2V
Power	3.5W
Luminous flux	>480lm
CCT	3000K , 4000K, 6000K (Switchable by button)
Control method	Press button to change color
Remote control	Optional
Charging time	5 hours
Discharging time	>24 hours
Working Temp.	-15°C~ +70°C
Enclosure Rating	IP65 + IK10
Housing Material	Polycarbonate + aluminium
Battery Lifetime	>2000 Cycles

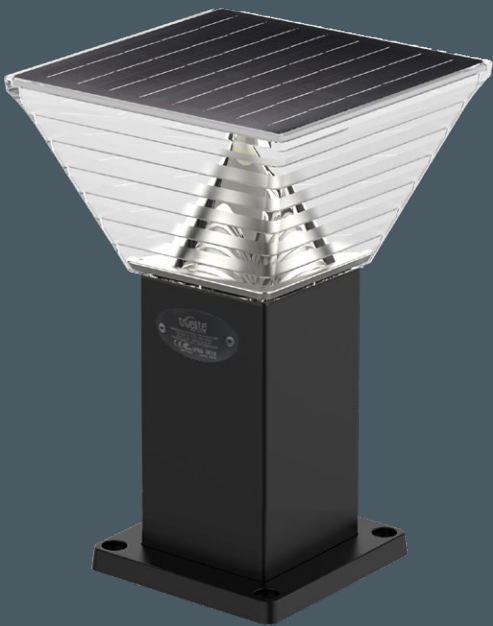
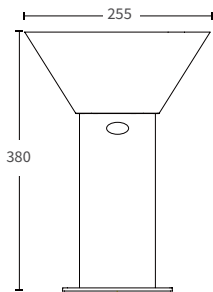
Product Dimensions



Product Specification

Model Number	TLGL255S-38S
Dimensions	38cm
Solar Panel	9.2W 5V MONO
Battery	LiFePo4 12AH / 3.2V
Power	3.5W
Luminous flux	>480lm
CCT	3000K , 4000K, 6000K (Switchable by button)
Control method	Press button to change color
Remote control	Optional
Charging time	5 hours
Discharging time	>24 hours
Working Temp.	-15°C~ +70°C
Enclosure Rating	IP65 + IK10
Housing Material	Polycarbonate + aluminium
Battery Lifetime	>2000 Cycles

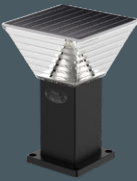
Product Dimensions



Body Color Options



Grey



Black



White



Body Color Options



Grey



Black

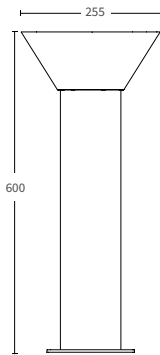


White

Product Specification

Model Number	TLGL255S-60S
Dimensions	60cm
Solar Panel	9.2W 5V MONO
Battery	LiFePo4 12AH / 3.2V
Power	3.5W
Luminous flux	>480lm
CCT	3000K , 4000K, 6000K (Switchable by button)
Control method	Press button to change color
Remote control	Optional
Charging time	5 hours
Discharging time	>24 hours
Working Temp.	-15°C~ +70°C
Enclosure Rating	IP65 + IK10
Housing Material	Polycarbonate + aluminium
Battery Lifetime	>2000 Cycles

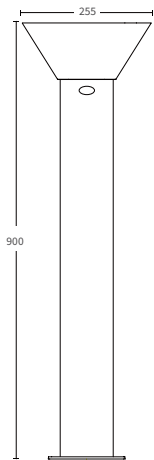
Product Dimensions



Product Specification

Model Number	TLGL255S-90S
Dimensions	90cm
Solar Panel	9.2W 5V MONO
Battery	LiFePo4 12AH / 3.2V
Power	3.5W
Luminous flux	>480lm
CCT	3000K , 4000K, 6000K (Switchable by button)
Control method	Press button to change color
Remote control	Optional
Charging time	5 hours
Discharging time	>24 hours
Working Temp.	-15°C~ +70°C
Enclosure Rating	IP65 + IK10
Housing Material	Polycarbonate + aluminium
Battery Lifetime	>2000 Cycles

Product Dimensions



Body Color Options



Grey



Black



White



Body Color Options



Grey

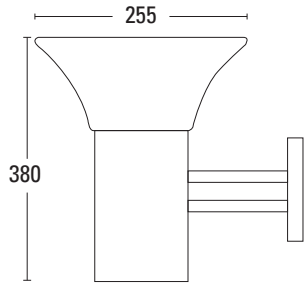
Black

White

Product Specification

Model Number	TLGL255R-WS
Solar Panel	6.2W 5V MONO
Battery	LiFePo4 12AH / 3.2V
Power	2.2W
Luminous flux	>320lm
CCT	3000K, 4000K, 6000K (Switchable by button)
Control method	Press button to change color
Remote control	Optional
Charging time	5 hours
Discharging time	>24 hours
Working Temp.	-15°C~ +70°C
Enclosure Rating	IP65 + IK10
Housing Material	Polycarbonate + aluminium
Battery Lifetime	>2000 Cycles

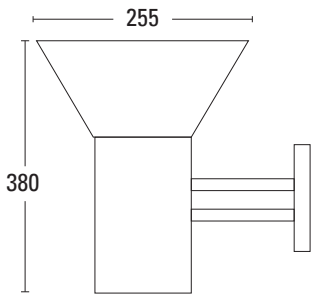
Product Dimensions



Product Specification

Model Number	TLGL255S-WS
Solar Panel	9.2W 5V MONO
Battery	LiFePo4 12AH / 3.2V
Power	3.5W
Luminous flux	>480lm
CCT	3000K , 4000K, 6000K (Switchable by button)
Control method	Press button to change color
Remote control	Optional
Charging time	5 hours
Discharging time	>24 hours
Working Temp.	-15°C~ +70°C
Enclosure Rating	IP65 + IK10
Housing Material	Polycarbonate + aluminium
Battery Lifetime	>2000 Cycles

Product Dimensions



Body Color Options



Grey



Black



White

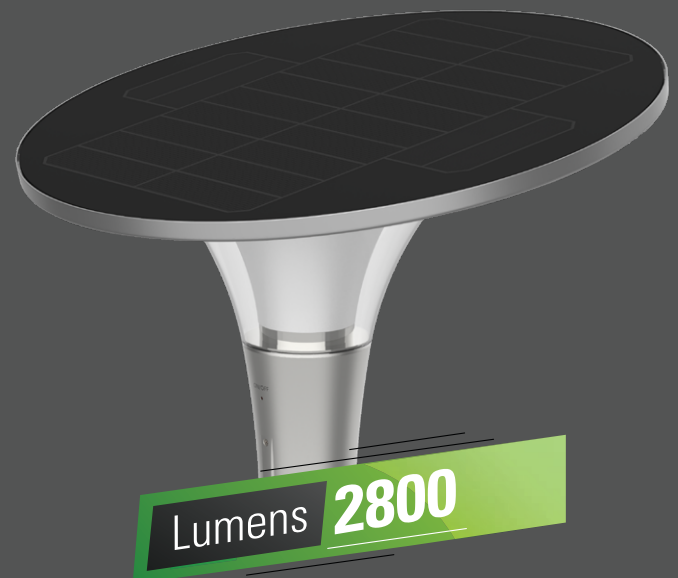


Our backyards and gardens are places of relaxation and close to our heart, and with the same passion we present SunYard the most advanced solar garden light for your nature friendly living.

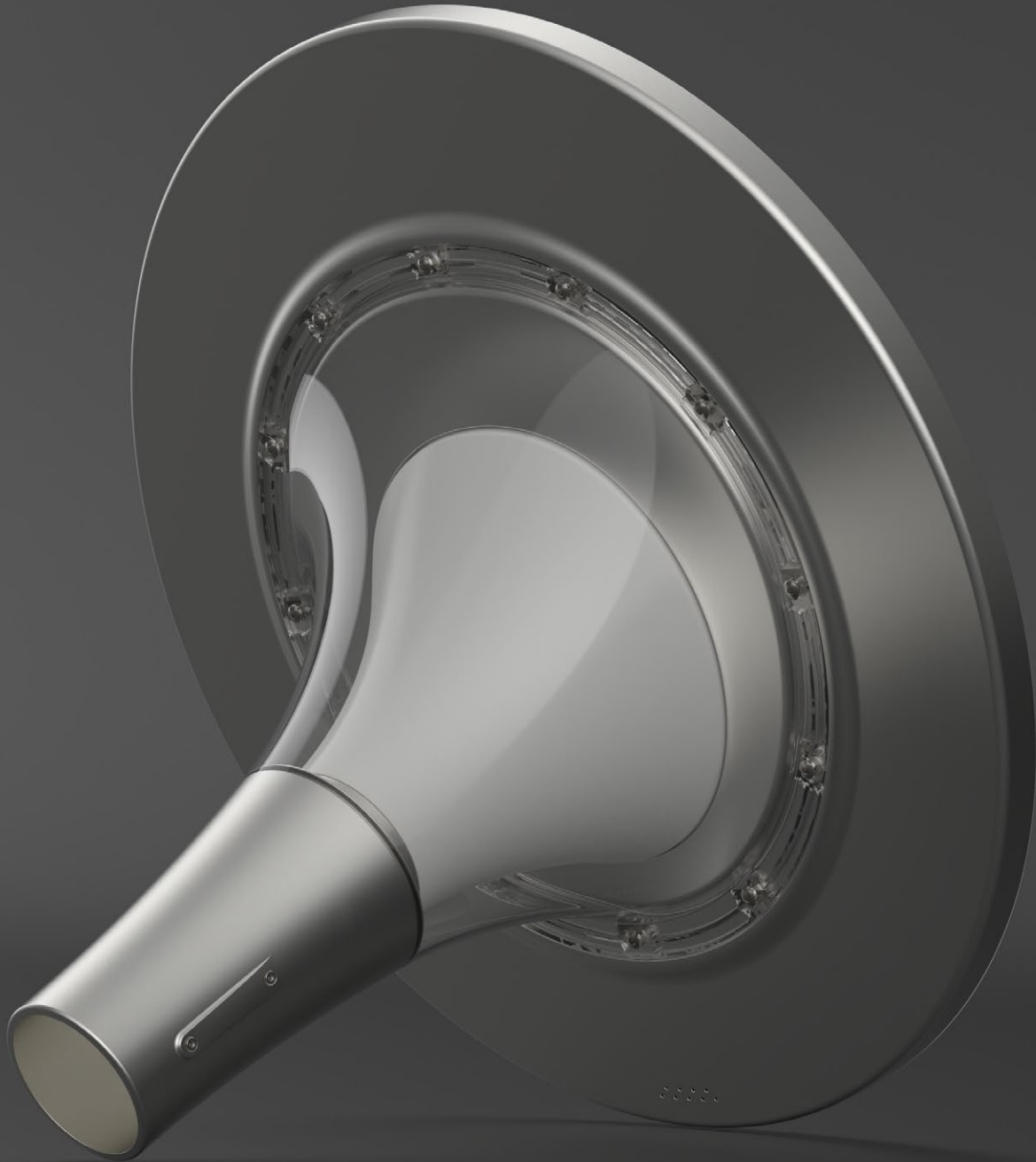
SunYard efficiently illuminates your recreational living areas, gardens and pathways with 360 degree beam, glare free lighting in solar energy and stand-alone off grid functioning. SunYards are aesthetically designed for comfortable living but elegant styling suitable for

home and hospitality applications with zero operational costs.

Truelite SunYard is highly customizable in terms of color temperatures, luminaire body and column colors to match the garden furniture set ups. Truelite's decade of experience in solar lighting technologies makes SunYard a perfect choice for home users and project customers, contributing to the green energy and reduce carbon footprints.



Inbuilt Lithium Battery



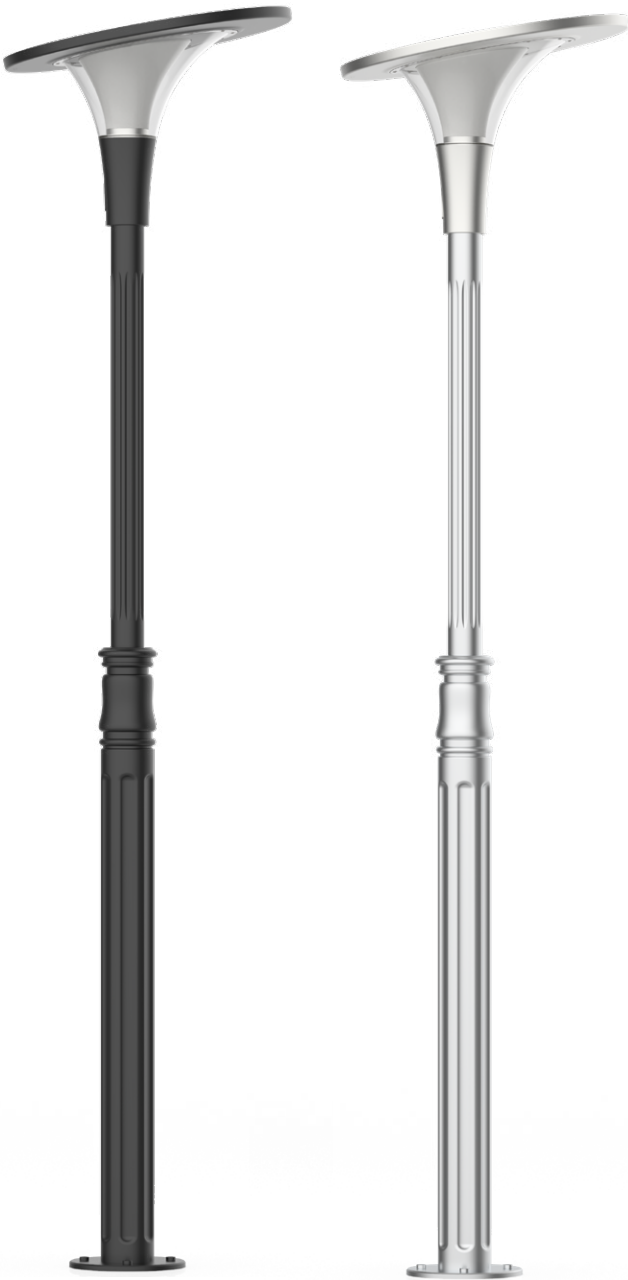
Microwave sensor



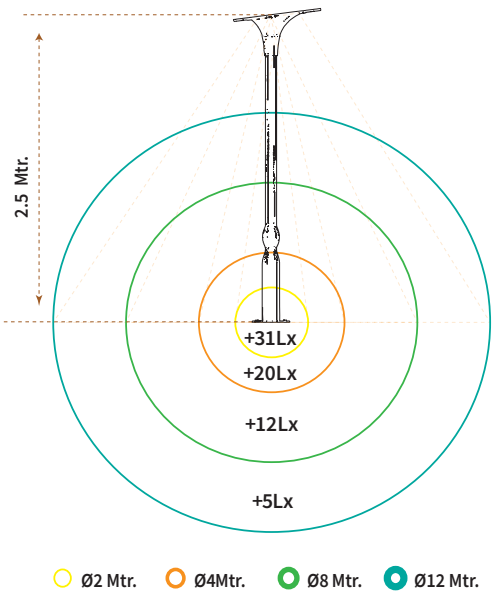
Compact system



Programmable



Light Distribution

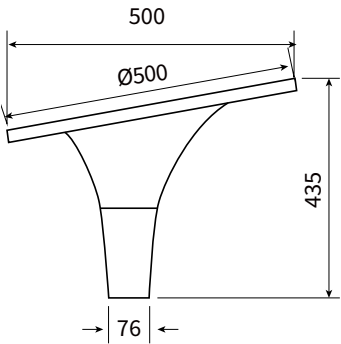


Product Specification

MODEL NO -TLSY22W	
LED	Philips Lumileds
LED Efficiency	163lm/W
Luminous Flux	>2800lm
CCT Range	3000K- 4000K / 3000K- 6000K
Color Rendering Index CRI	>80
LED Life	60000 hrs.
Battery Pack Data - 154Wh	
Nominal Battery Voltage	12.8V
Battery Type	LiFePo4 Lithium Iron Phosphate
Capacity (Ah) @ C10	12Ah
Nominal Energy	≥154Wh
Charging current	10A
Discharging current	10A
Battery autonomy	1 day working plus 2-day autonomy
Working temperature	-20°C to +65°C
Battery Protection	Battery Management System (BMS Protection)
Cycle Life	≥5000 (21A charge/discharge with 50%DOD at 25°C, and residual capacity≥80% Normal capacity.)
Charge Controller - 10mps/12V	
System voltage	12V
Load maximum power	30W/12V
Maximum solar input power	120W/12V Selected solar power 48Wp
Maximum charging current	10Amps
Over-discharge voltage	9.00V -17.00V settable
Solar Module Data - 48Wp	
Maximum Power Pmax(W)	48 Wp
No of cells	36 cells
Open Circuit Voltage (Voc)	21.6 V
Short Circuit Current (Isc)	2.66 A
Maximum Power Voltage (Vmp)	18 V
Maximum Power Current (Imp)	2.2 A
Module Efficiency (%)	17.20%

Solar Cell Efficiency (%)	20.60%
Module Fire Performance	CLASS C (IEC 61730)
Power Tolerance (%)	± 3%
Operation Period	12 hrs daily auto dimming control
Control Method	Automatic dusk to dawn with Time Control / Manual ON-OFF
Lighting Modes	Energy saving
Environmental Data	
Working Temp.	-20 °C ~ 70 °C
Fixture IP	IP65
Cooling	Conventional
Light Fixture Material	Polycarbonate + aluminium
Relative Humidity (RH)	10%-95%
Mechanical Data	
Product Finish	Gray (RAL7033)
N.W/Light	10kg
G.W/Light	13kg
Light Dimensions	500*435*116mm
Luminaire Fixing	Pole mounted
Warranty	3 Years

Product Dimensions



SUN BEAM

Solar Flood Light

Truelite Smart Solar SunBeam Flood Light is the 5th generation all in Two series, with increased efficiency and more advanced technology. The light comes with an inbuilt lithium battery bank and Smart charge controller. The

light has a better output with longer battery backup than the normal all in one solar lights. SunBeam series has variance from 4.5 watts up to 18.5 watts with 12 hours operation with dimming. SunBeam smart solar lights

are optimized and recommended for applications up to 4 meters height, for perfect lighting in small roadways, pathways and residential area lighting applications.



Light Output

- Up to 3280 lumens light output.
- 4 watts, 18.5 watts variance.
- High efficacy of 175 lumen per watt.
- Lumiled power source with LM-80 - 50,000 hours.
- IP65 aluminium die-cast casing and certified IK08.
- Vandal proof build.

Lithium Battery Bank

- Integrated lithium battery bank with more than 2000 cycles
- 12 hours auto dimming brightness working with automatic dusk to dawn operation.
- Maximum capacity of 154 Wh.

Smart Solar Controller

- Customized working mode for dimming and working hours.
- Advanced metering and remote control options.
- Easy setting up functions in remote control – optional.

Solar Panel

- High efficiency design; 20% efficiency.
- External solar panel make the system flexible for any geographical conditions for the scalability of the panels to meet low irradiance project sites.





Body Color Options



Black

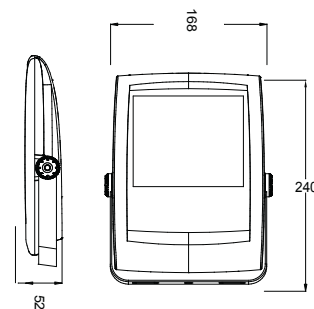


White

Product Specification

Model No.	TLSBV2-880
Fixture	IP65
Material	Aluminium Die Casting
LED Efficacy	175lm/W
CCT	3000K / 6000K
Beam Angle	140° *70 °
CRI	>80
Luminous Flux	880lm
Rated Power	4.8±0.5W
Standard Battery Capacity(24h)	38.4Wh/6.4V
Battery Life Cycles	>2000
Charge Time	5 Hours
Discharge Time	>24 Hours
Control System	Remote Control
Solar Panel	12W 10V
Cell Type	Poly Crystalline
Working Temp.	-20 °C ~ 65 °C
Control Method	Manual ON/OFF / Automatic ON/OFF / Time Control
Lighting Modes	Energy saving / Customized modes.
Body Color	Black / White
Certificates	CE, ROHS

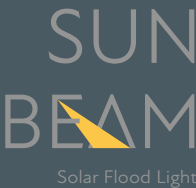
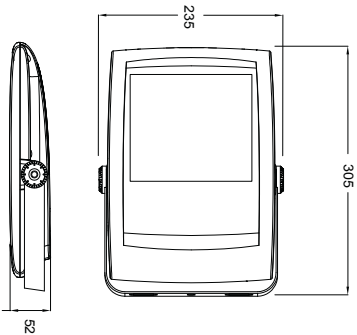
Product Dimensions



Product Specification

Model No.	TLSBV4-1680
Fixture	IP65
Material	Aluminium Die Casting
LED Efficacy	175lm/W
CCT	3000K / 6000K
Beam Angle	140° *70 °
CRI	>80
Luminous Flux	1680lm
Rated Power	9.0±0.5W
Standard Battery	76.8Wh/6.4V
Capacity(24h)	
Battery Life Cycles	>2000
Charge Time	5 Hours
Discharge Time	>24 Hours
Control System	Remote Control
Solar Panel	25W 10V
Cell Type	Poly Crystalline
Working Temp.	-20 °C ~ 65 °C
Control Method	Manual ON/OFF / Automatic ON/OFF / Time Control
Lighting Modes	Energy saving / Customized modes.
Body Color	Black / White
Certificates	CE, ROHS

Product Dimensions



Body Color Options



Black



White



Body Color Options



Black

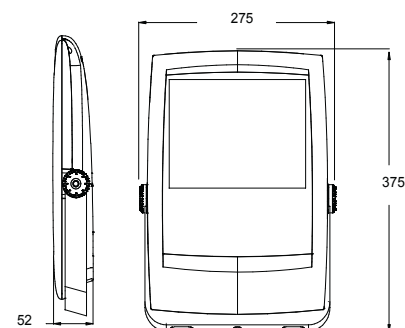


White

Product Specification

Model No.	TLSBV6-2480
Fixture	IP65
Material	Aluminium Die Casting
LED Efficacy	175lm/W
CCT	3000K / 6000K
Beam Angle	140° *70 °
CRI	>80
Luminous Flux	2480lm
Rated Power	13.5±0.5W 1
Standard Battery Capacity(24h)	115Wh/6.4V
Battery Life Cycles	>2000
Charge Time	5 Hours
Discharge Time	>24 Hours
Control System	Remote Control
Solar Panel	35W 10V
Cell Type	Poly Crystalline
Working Temp.	-20 °C ~ 65 °C
Control Method	Manual ON/OFF / Automatic ON/OFF / Time Control
Lighting Modes	Energy saving / Customized modes.
Body Color	Black / White
Certificates	CE, ROHS

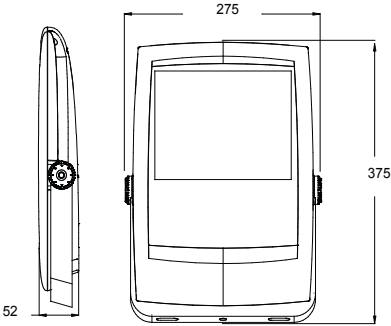
Product Dimensions



Product Specification

Model No.	TLSBV8-3280
Fixture	IP65
Material	Aluminium Die Casting
LED Efficacy	175lm/W
CCT	3000K / 6000K
Beam Angle	140° *70 °
CRI	>80
Luminous Flux	3280lm
Rated Power	8.5±0.5W
Standard Battery	154Wh/6.4V
Capacity(24h)	
Battery Life Cycles	>2000
Charge Time	5 Hours
Discharge Time	>24 Hours
Control System	Remote Control
Solar Panel	50W 10V
Cell Type	Poly Crystalline
Working Temp.	-20 °C ~ 65 °C
Control Method	Manual ON/OFF / Automatic ON/OFF / Time Control
Lighting Modes	Energy saving / Customized modes.
Body Color	Black / White
Certificates	CE, ROHS

Product Dimensions



SUN
BEAM
Solar Flood Light



Body Color Options



Black

White

Our Smart Solar Products for Roadway Lighting

Orbi 360° Smart Solar Landscape light

20 | 30 | 40 Watts

Truelite Orbi 360° Solar Landscape Light is our answer to the professional lighting in solar for challenging landscaping project requirements. Truelite Orbi 360° uses next generation innovative technology built into modern and clean urban pole top design.



Programmable



External solar panel



Microwave sensor



MC4 Connection



Compact system



4G Smart SOLAR STREET LIGHT

15 | 20 | 30 | 40 | 50 | 60 Watts

Truelite 4G Smart Solar LED street light is the 4th generation integrated solar light, with increased efficiency and more advanced technology. The light comes with an inbuilt lithium battery bank and MPPT charge controller. The light has a better output with longer battery backup than the normal all in one solar lights. The 4G series has variance from 15 watts up to 60 watts with 100% brightness for 12 hour operation without dimming.



Remote Setting



Lithium Battery



Hrs/Day 12



RoHS

IP67



Thor

SOLAR STREET LIGHT

40 | 60 | 80 | 90 | 100 | 110 Watts

Truelite's Thor smart solar LED street light is the most advanced form of solar roadway lighting available, that integrates a lithium battery and smart controller into the light head that can provide up to 17000 lumens and 24 hours of battery backup in a completely automated operation.



SunWrap

INTEGRATED SOLAR POLE

55 | 100 | 140 Watts

SunWrap – Pole Integrated Solar Systems from Truelite - are our most advanced and innovative solar modules for various pole mounted PV applications. SunWrap's patented design, manufactured to high quality standards, can meet decorative and high-end application - especially for area and garden lighting without compromising aesthetics.



Certifications and Consultant Approvals

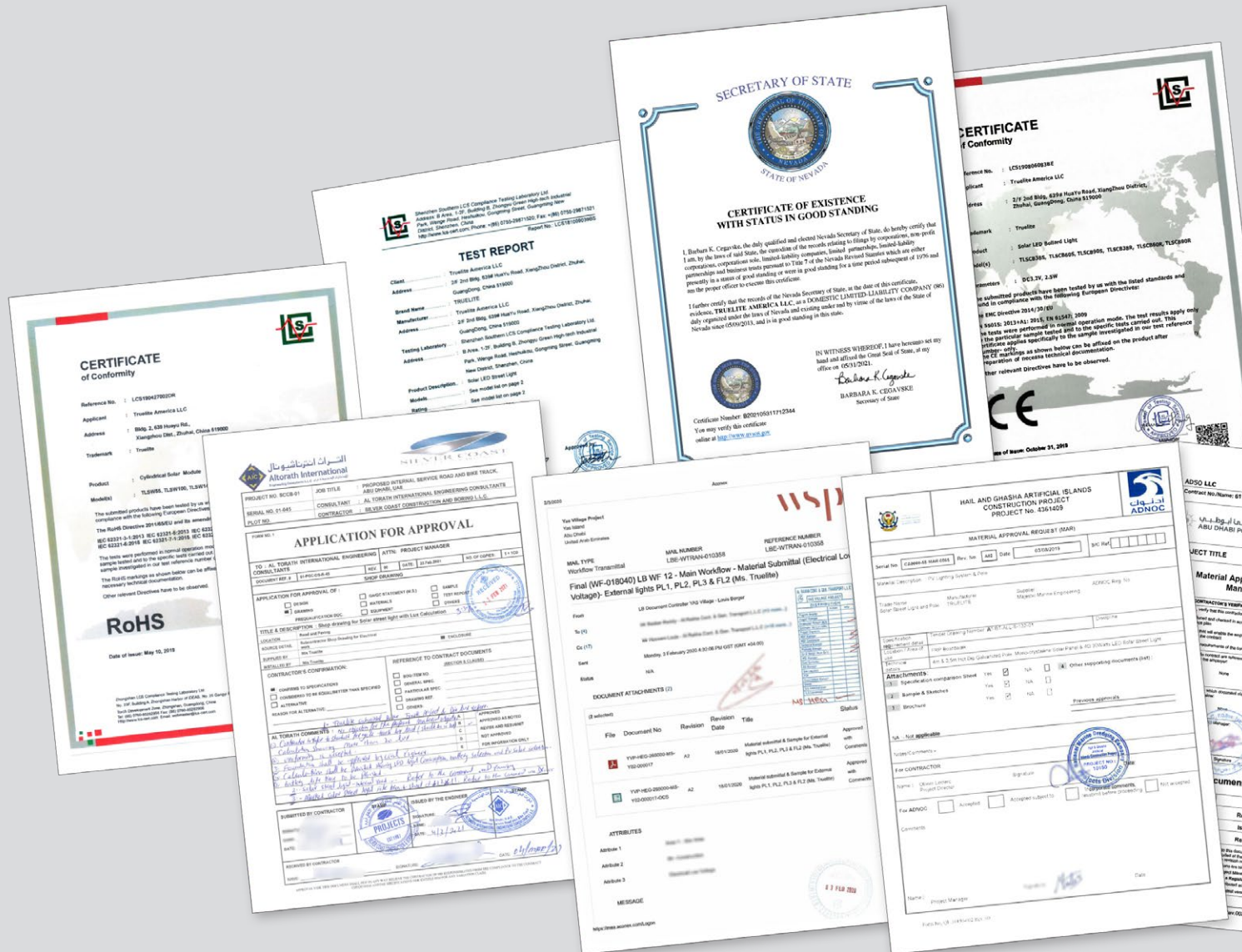
Truelite is committed to provide and maintain quality products and solutions to our customers in Solar and LED lighting technologies. We as a global brand committed to meet and exceed all the statutory requirements required for the very market we sell. Truelite will take every effort to meet our

quality promises in manufacturing, distribution, timely delivery and after sales support for our products and services.

While ensuring the quality, it is also our endeavour to provide reasonable pricing for our customers

and make sure Truelite can be trusted for Value for Money.

It is also our commitment to work continuously on our technologies and do R & D to bring in the right advancement in our product development.



Truelite extend our commitment to all our Customers, Energy Partners, Associates and Authorized Representatives to be in fair trade and enforce ethical business practices across our network.

We will also be an equal opportunity company for our associates and partners and will not discriminate under any category.

Truelite has implemented a structured Quality Management System in our manufacturing facilities

and appropriate ISO audit is been carried with proper certifications. We also ensure our employees adhere to the QMS and follow the guidelines of the Company's Quality Policy thus achieving our established vision goals.





Geography of Operations

Project locations



100⁺

Energy Partners



30⁺

Truelite America LLC

HQ in USA serves the design and development of our product range and services

Truelite America LLC

Orlando, Florida, Serves as our Sales office for the Central and Eastern Pacific region in the USA.

Truelite Energy Partner EU

Hvissingegade 13, 2600 Glostrup
Denmark

Truelite Energy Trading LLC

Dubai UAE, Serves as the Regional Hub for the MENA operations and serves clients and Energy partners in GCC, ME and part of African Clients.

Truelite Auroras Innovation Co.,Ltd

China, An ISO 9001 Certified manufacturing facility in China controlled by US R&D team.

Truelite Energy Innovations Pvt. Ltd

Kochi, India serves as the hub for Subcontinent operations and serves both retail and project markets in the region.

Project Locations

- Afghanistan
- Algeria
- Antigua and Barbuda
- Argentina
- Armenia
- Australia
- Austria
- Azerbaijan
- Bahrain
- Bangladesh
- Belarus
- Belgium
- Bhutan
- Bosnia and Herzegovina
- Brazil
- Burkina Faso
- Burundi
- Cambodia
- Cameroon
- Canada
- Central African Republic
- Chad
- Chile
- China
- Colombia
- Congo
- Czech Republic
- Denmark
- Djibouti
- Egypt
- Eritrea
- Ethiopia
- France
- Gabon
- The Gambia
- Germany
- Ghana
- Greece
- Hungary
- India
- Indonesia
- Iran
- Iraq
- Italy
- Jamaica
- Jordan
- Kazakhstan
- Kenya
- Kuwait
- Laos
- Lebanon
- Lesotho
- Liberia
- Libya
- Malaysia
- Maldives
- Mali
- Mauritius
- Mexico
- Mongolia
- Montenegro
- Morocco
- Mozambique
- Myanmar
- Nepal
- Netherlands
- New Zealand
- Niger
- Nigeria
- Oman
- Pakistan
- Peru
- Philippines
- Poland
- Portugal
- Qatar
- Russia
- Saudi Arabia
- Senegal
- Serbia
- Seychelles
- Sierra Leone
- Singapore
- Somalia
- South Africa
- Spain
- Sri Lanka
- Sudan
- Switzerland
- Syria
- Taiwan
- Tanzania
- Thailand
- Trinidad and Tobago
- Tunisia
- Turkey
- Uganda
- Ukraine
- United Arab Emirates
- United Kingdom
- United States
- Venezuela
- Vietnam
- Yemen
- Zambia

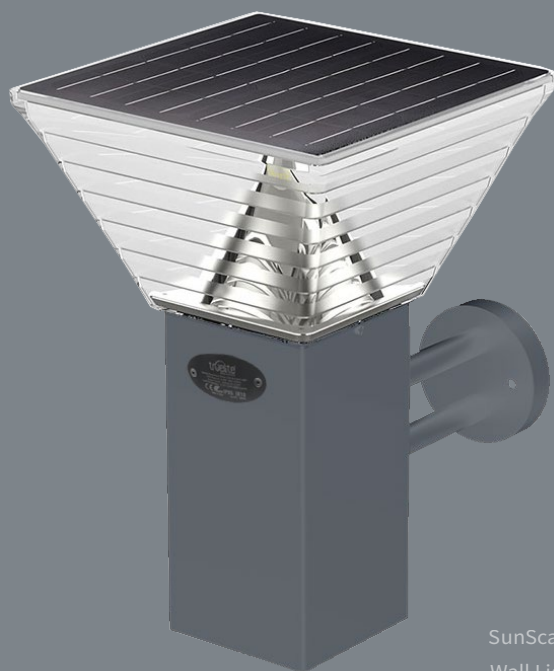
Our detailed energy partner location please visit <https://truelite.us/be-our-energy-partner-2/>



SunScape
Solar Bollard



SunYard
Solar Garden Light



SunScape
Wall Light



SunBeam
Solar Flood Light



Designed and Engineered
IN THE USA



Smart Solar Outdoor Lights

Suncape
SOLAR BOLLARD

sunyard
solar garden light

SUN
BEAM
Solar Flood Light

truelite

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