

STARTM SERIES

LED
SOLAR
STREET
LIGHT

E-LITE semicon



LIGHTING THE WAY

SOLAR meets LEDs

The sunshine is a sustainable, reliable, non-polluting source of power. Concerns over global climatic change, local air pollution and resource scarcity make photovoltaic (PV) an increasingly attractive energy supply technology. Using solar energy with LEDs instead of HID/MH/CFL provides a very efficient solution in lighting industry.

Solar powered outdoor lighting products are ideal for lighting the area in remote locations where the electricity is unavailable or erratic. Even in urban areas, these find great usage to reduce dependency on conventional power and contribute towards green energy. Reliable and long life makes this solution effective in fulfilling our present and future lighting requirements.

KEY FEATURES



System Light Efficacy 130LPW with high performance LED chips.



Highly efficient monocrystalline silicon photovoltaic panels.



Solar powered-No need for any other power supply or electrical cabling.



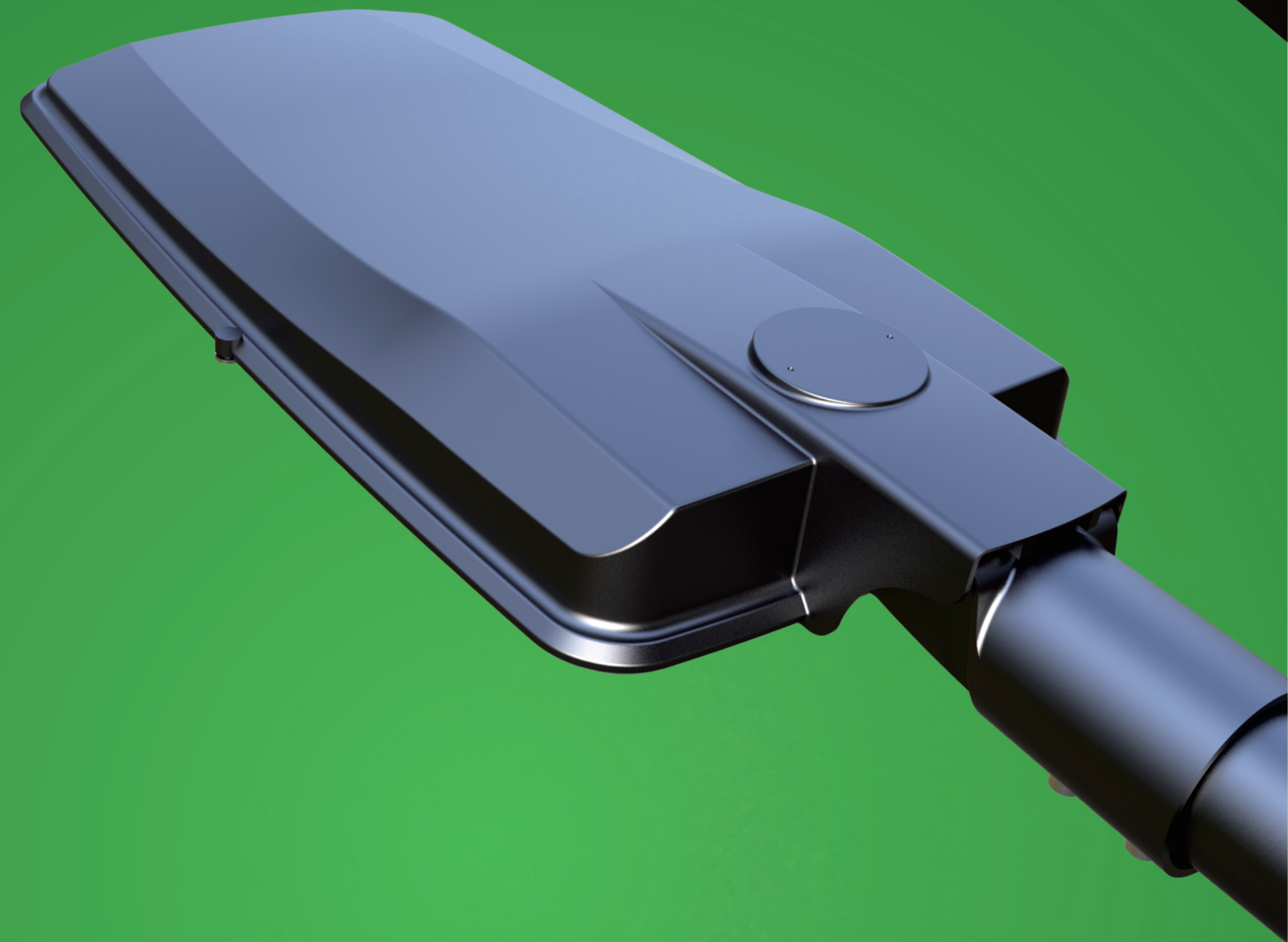
Easy to Install and Maintain.

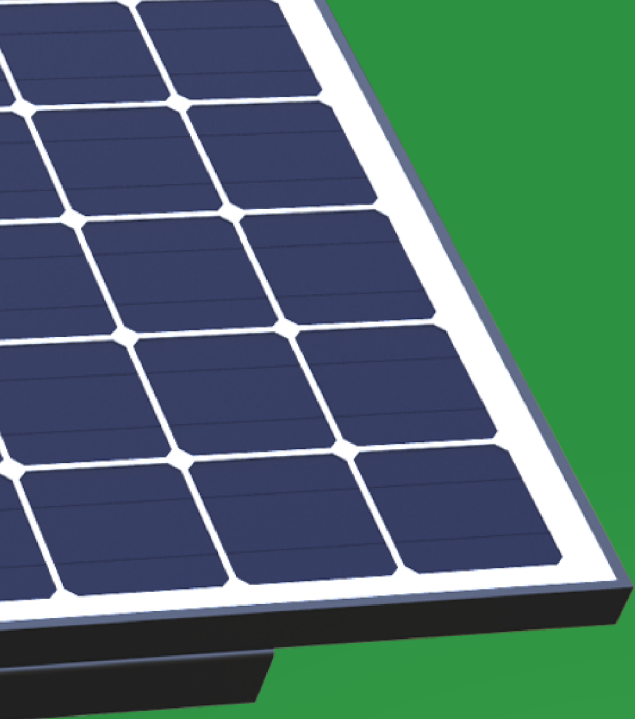


Automatic dusk to dawn operation(or timer options).



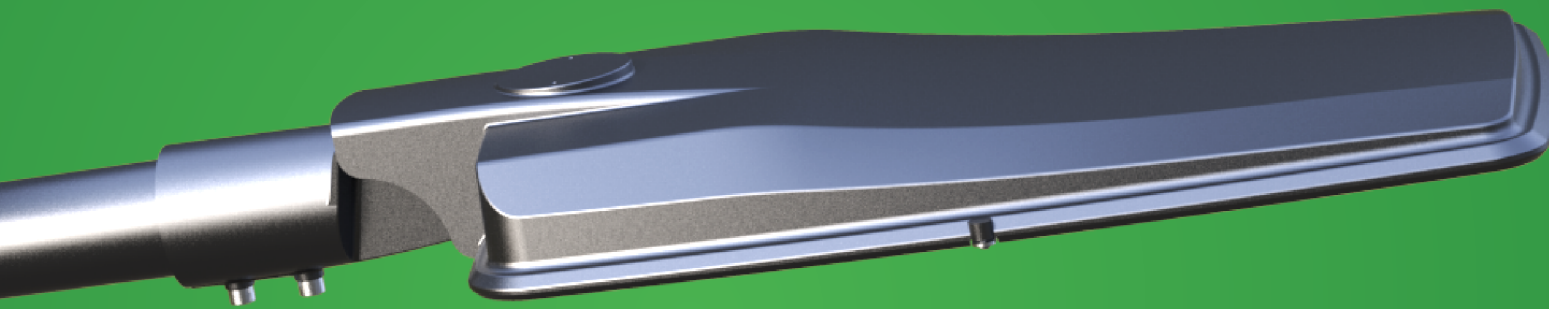
Five years warranty.





APPLICATIONS

- Car park and Perimeter Lighting.
- Security and Entrance Lighting.
- Signage and Billboard Lighting.
- Temporary & Event Lighting.
- Strata & Public Area Lighting.
- Construction Sites.
- Rural & Remote Area Lighting.
- Mining & Industrial sites.
- Coastal Areas and Jetties.



Only top quality mono - crystalline silicon solar panels with high efficiency and long lifetime are used.



Highly efficient controller to charge your batteries and intelligent microprocessor controlled algorithms for light management ensure maximum uptime.



Quality lithium batteries are used to store the energy, provide energy for immediate requirements, and enable a back-up for days when there is little or no sun.



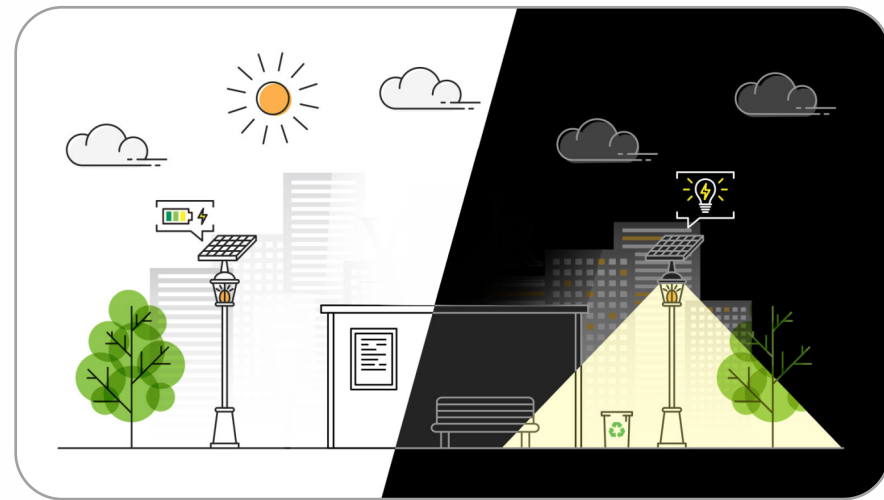
High Lumen LED for maximum efficacy. Dedicated designed low-voltage solar controller technology with dimming capabilities for power-save management. Lifetime > 50,000 hrs and CRI nominal 70.



Microprocessor managed algorithms autonomously determine sunrise and sunset

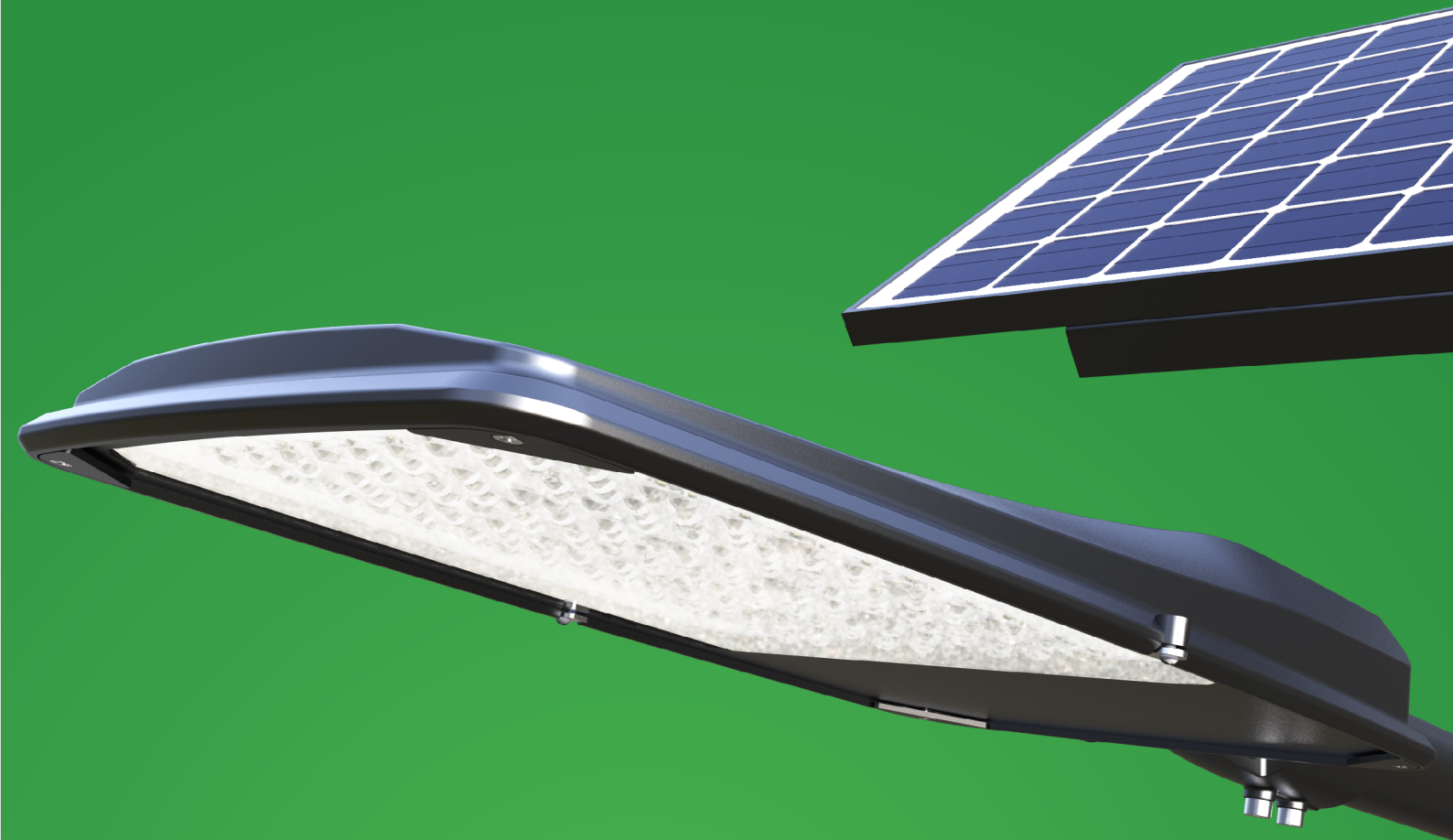
DAYTIME OPERATION

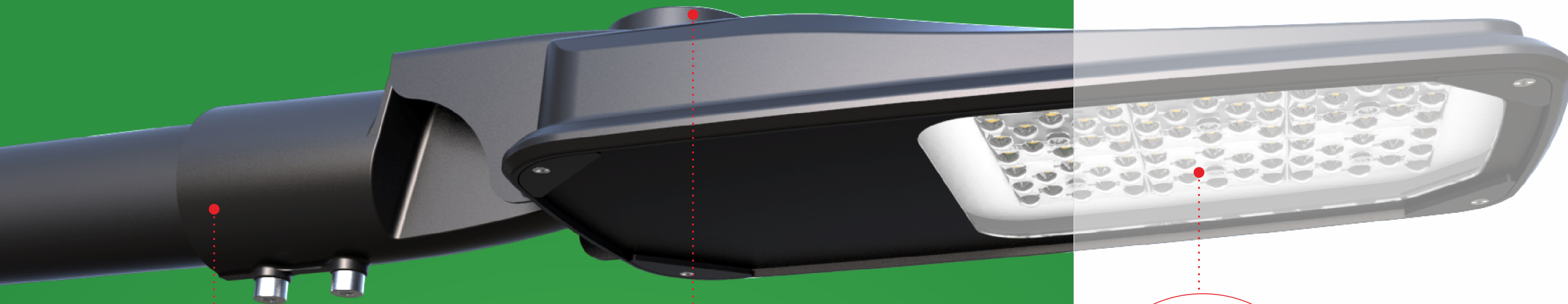
The solar panels absorb the sunlight energy, then transmit it to electricity and store it in the battery during the day. Generally, solar panels convert average 20% of sunlight energy into electrical energy



NIGHT TIME OPERATION

At night, the stored electrical energy power the light for the whole night or based on a user determined operating, 4hours-30%, 2hours-100%. The light turns off when the sun rise up, and the day/night operation cycle starts again.





RELIABILITY UNEXPECTED VALUE

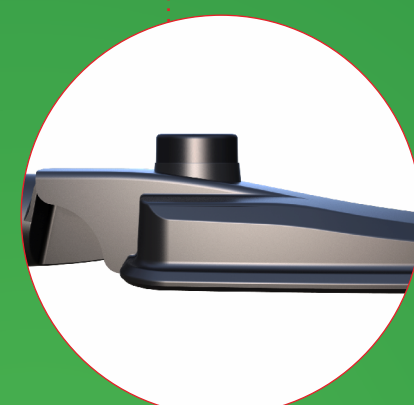
Optics:

Optical systems for outdoor luminaires must be designed to satisfy several criteria in terms of luminaire performance. With a variety of light distributions, Star light engine features best in class optical performances. It is designed for convenience and economics, achieving wide column spacing, excellent uniformity plus no waste or obtrusive light.



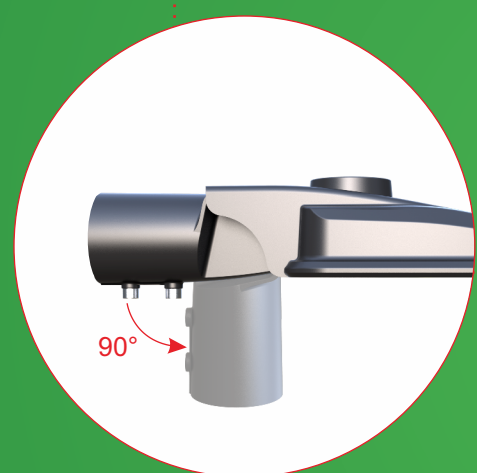
Ready To Connect:

Future proof luminaire with removable control gear and optic also compatible with any existing IoT options on the market thanks to the NEMA socket option. There are also 3/5/7 pins for you to choose from.



Installation:

Star series street lights are easy to install without burying cables, rectifiers, and so on. They can be directly installed on the lamp pole. There is adjustable spigot 0°/90°.

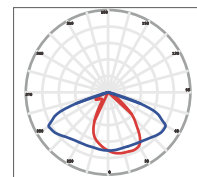


PHOTOMETRICS

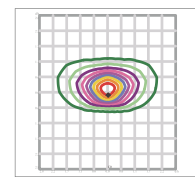
Optimized Comfort

In many urban road applications, comfort is a key standard. The optics of Star series light is designed to enhance comfort with reduced glare.

70 x 140 (TYPE II-S)

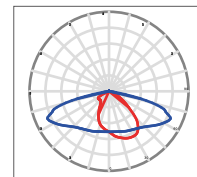


0.0~180.0
90.0~270.0

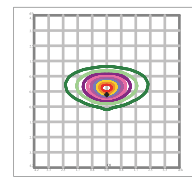


Mount Height(m): 6

70 x 150 (TYPE II-M)

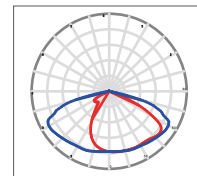


0.0~180.0
90.0~270.0

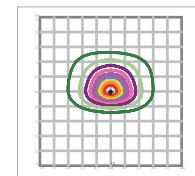


Mount Height(m): 8

95 x 150 (TYPE III-S)



0.0~180.0
90.0~270.0















Mount Height(m): 6

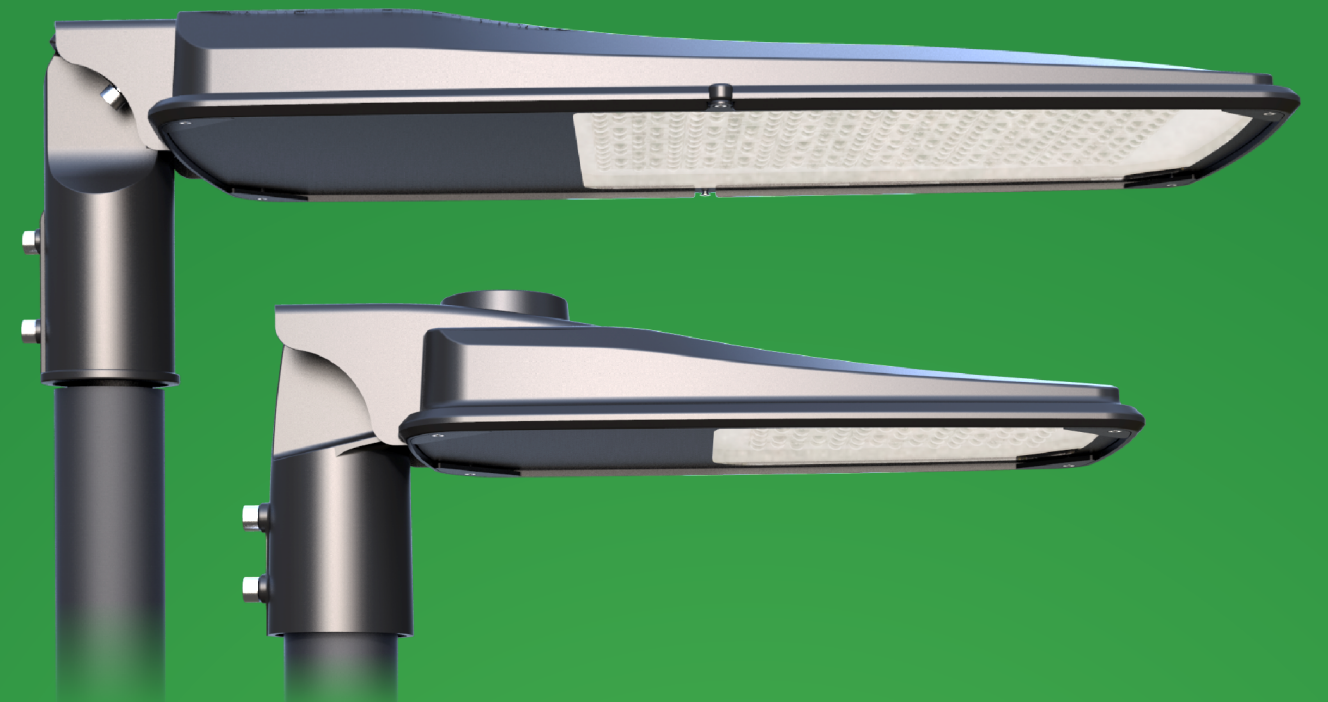


Much more than a budget-friendly outdoor luminaire with the latest generation of LED modules, Star is highly convenient yet. Available in different discrete sizes, it is designed to maximize lighting performance, and realize an economic and convenient dual road strategy. At the same time, it limits carbon emissions and achieves a green cycle.

Thanks to Star's high performance and substantial benefits, it is the perfect answer to the current and future project needs.

PERFORMANCE

| | |
|---|--|
|  | 30W~120W |
|  | 130lm/W |
|  | Philips Lumileds |
|  | Three consecutive rainy days |
|  | PIR, dimming to 20% from 22PM to 7 AM |
|  | ≥70 |
|  | 5000K (2500~6500K optional) |
|  | L70>120,000hours |
|  | Type II / Type III |
|  | IP66 |
|  | IK09 |
|  | Operating Temperature:-30°C to +45°C (-22°F to 113°F) Storing Temperature:-40°C to +80°C (-40°F to 176°F) |



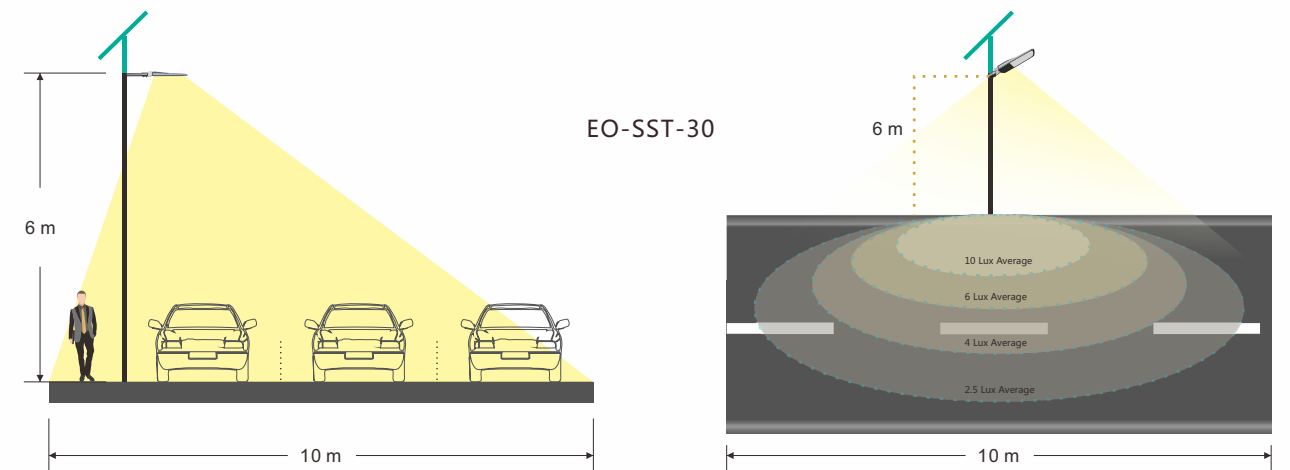
SPECIFICATIONS

| Part# | Power | Solar Panel | Battery | Efficacy (IES) | Total Lumen | Product Dimensions |
|------------|-------|-------------|-----------|----------------|-------------|--------------------|
| EO-SST-30 | 30W | 70W/18V | 90AH/12V | 130 lm/W | 3,900lm | 513x180x85mm |
| EO-SST-50 | 50W | 110W/18V | 155AH/12V | 130 lm/W | 6,500lm | |
| EO-SST-60 | 60W | 130W/18V | 185AH/12V | 130 lm/W | 7,800lm | |
| EO-SST-90 | 90W | 2x100W/18V | 280AH/12V | 130 lm/W | 11,700lm | 613x206x84mm |
| EO-SST-100 | 100W | 2x110W/18V | 310AH/12V | 130 lm/W | 13,000lm | |
| EO-SST-120 | 120W | 2x130W/18V | 370AH/12V | 130 lm/W | 15,600lm | |



LIGHT DISTRIBUTION

E-Lite in development with Lumileds have created a new LED lens that provides greater Luminous uniformity and offers the ultimate in design flexibility. The beam pattern is perfect for lanes, pedestrian promenades, bicycle paths as well as minor roads and Carparks. As an added service, E-Lite also has its own internal lighting design team that use the latest Lighting Simulation software for projects requiring calculation of lighting levels and photo-metric reports. This will ensure that the correct quantity of fittings, pole heights and spacings are offered for our customers specific needs.

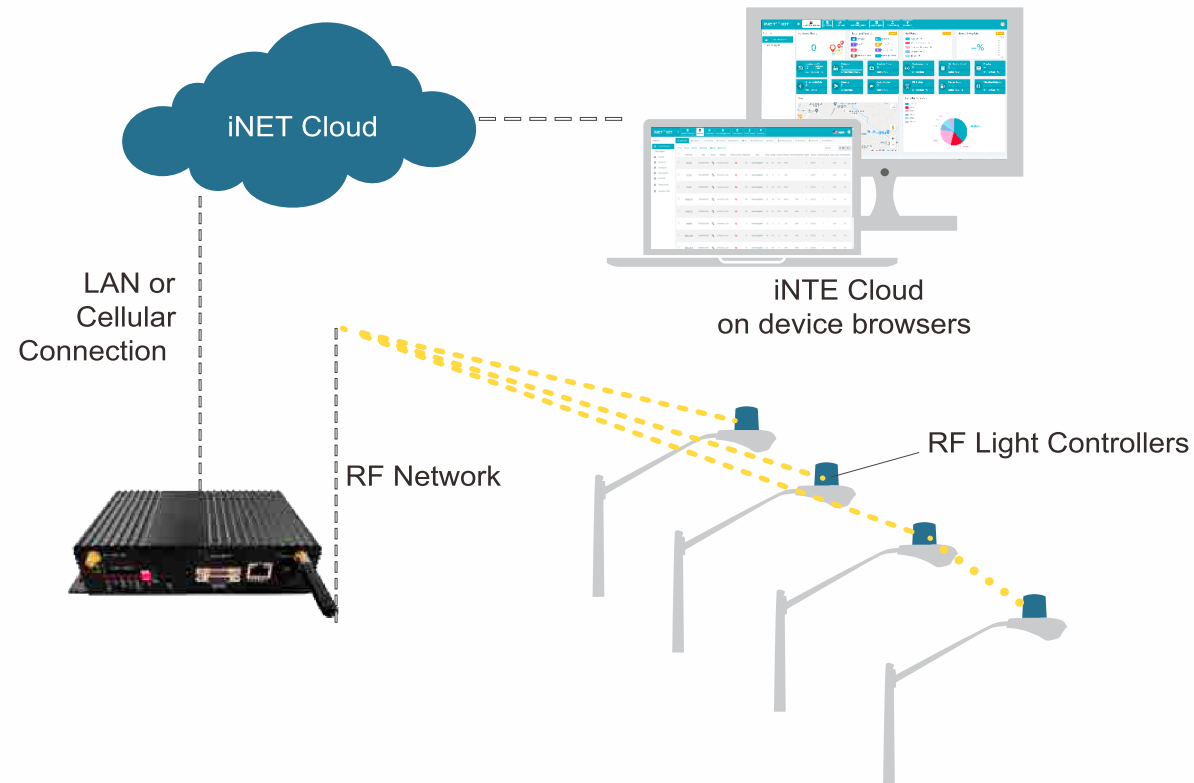


A FUTURE PROOF SOLUTION

Smart City






iNET™ Intelligent Lighting Monitor & Control System is a cloud based wireless smart system designated for lighting management.

With gateways + control node., iNET™ System monitors lights performance status, collects operation data, controls lights on/off or dimming, and sends alarm in case of fault detected.



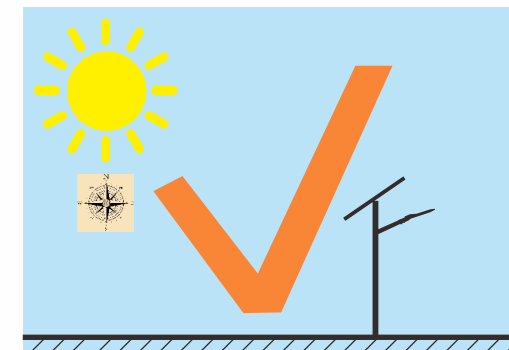
System & Hardwares



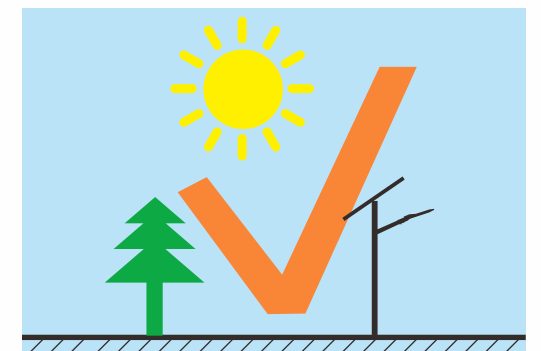
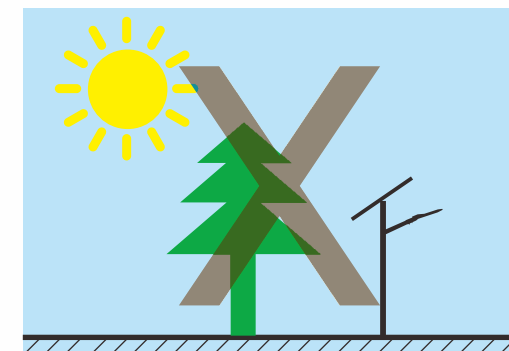
- 
Automatic Light On/Off & Dimming Control
 - By time setting
 - On/off or dimming with motion sensor detection
 - On/off or dimming with photocell detection
- 
Accurate Operation & Fault Monitor
 - Real-time monitor on each light working status
 - Accurate report on fault detected
 - Provide location of fault, no patrol required
 - Collect each light operation data, such as voltage, current, power consumption
- 
Extra I/O Ports for Sensor Expandability
 - Environment Monitor
 - Traffic Monitor
 - Security Surveillance
 - Seismic Activities Monitor
- 
Reliable Mesh Network
 - Self proprietary wireless control node
 - Reliable node to node, gateway to node communication
 - Up to 1000 nodes per network
 - Max. network diameter 2000m
- 
Easy-to-use Platform
 - Easy monitor on each and all lights status
 - Support lighting policy remote set-up
 - Cloud server accessible from computer or hand held device



INSTALLATION



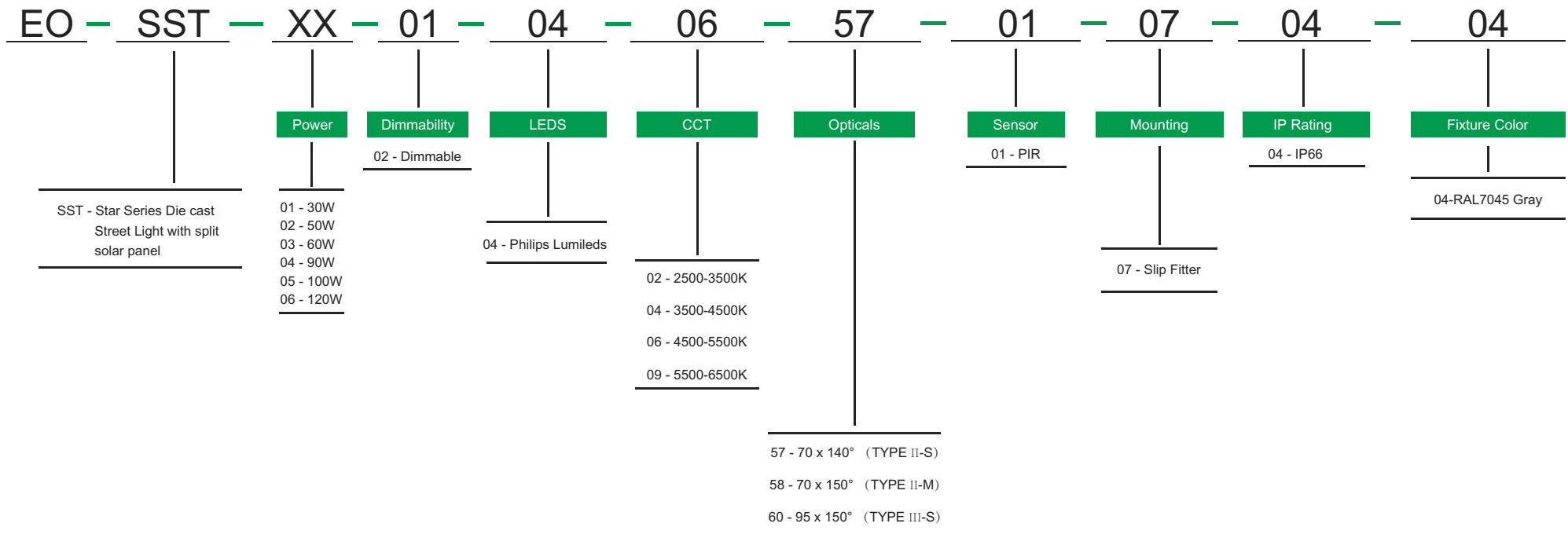
The solar panel can be adjusted to the best angle where it is able to absorb maximum sunshine. The most optimum direction to face the solar panel is somewhere between south and west. It is at this location that the panel will receive the maximum sunlight throughout the day.



The solar panel must not be installed in a shaded or part shaded location and never indoors.

ORDERING INFORMATION

E-LITE semicon



E-Lite Semiconductor Co., Ltd.
 Headquarter & Factory
 Website: <http://www.elitesemicon.com>