

RATCCO

GROUP

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Who we are

Ra'edat Al Riyadh is a company with limited liability founded in 2009, provides its services professionally, in various areas to government and private sectors, the most important of which are: operation and maintenance (O&M), facilities management and hospitality, environmental services for cities, electro-mechanical projects, electrical and renewable energy solutions, manufacturing and industrial solutions, oil and gas sector. Along with offering highly qualified labour for diverse sectors, Ra'edat AlRiadh also has a specialized sector in developing water infrastructure, security services, safety, and fire control systems.

Thanks to the company's vision and keenness to provide a leadership role that enables it to contribute to the service of the Kingdom and its ambitious 2030 vision. The company managed to accomplish many outstanding projects, providing the optimum service to its clients, with experienced and dedicated professionals playing a vital role in this success. Ra'edat AlRiadh with its profound ambition to become one of the leading companies in its field aspires to have a significant role in serving the present and future of the Kingdom of Saudi Arabia and its international partnerships.

Our Vision

Our vision is to be the best and most reliable choice for our partners, by providing distinguished service that enriches human lives and contributes to the prosperity of our society and future generations.

Our Mission

To work with all our capabilities and resources to develop the infrastructure of our Kingdom, based on the values of integrity, instilling a spirit of belonging, and working with dedication to meet the needs of customers and partners. From which Raedat AlRiadh inspires its success, our mean for ongoing development is to promote the level of services and products and to capture the competencies and experience in this area to achieve the objectives of Ra'edat AlRiadh. We have worked hard to put a unique imprint in the various sectors, thus establishing the highest form of leadership, and aspiring for a better future, based on creating real value for our customers.



Facility management sector

We are working in the facility management sector on realizing efficiency and higher quality, as the company offers:

Operation and maintenance services

The operation and maintenance division is regarded as one of the company's primary pillars, as it targets commercial and residential facilities that serve both the private and public sectors, beginning with the management, maintenance, and supervision of the entire facility. Ra'edatAIRiadh is betting on that on the presence of its distinguished service that includes advanced equipment and the finest materials in addition to its highly-qualified and trained workforce.

General cleaning services

The company provides a general cleaning service for various types of government and private facilities: like companies and malls, Also among our services is the provision of cranes for cleaning building facades, cleaning services for medical facilities, sterilization and perfuming, and other services related to the cleaning sector. As we are keen to ensure a distinguished service that meets the needs of customers and exceeds their expectations

Manpower provision service

After our success in many major projects, the company was able to study the needs of the Saudi market in terms of manpower. As a result, the company has established a special department that devotes its accumulated experience to provide all requirements of the business sectors of human resources with distinguished competencies, based on the highest international and local standards to ensure our customer satisfaction.



Energy sector

Given the importance of electric power and the growing community's need for it, and to ensure sustainable development, we are working to have an effective role consistent with the Kingdom's 2030 Vision, and to be one of the main contributors to the prosperity of our future generations.

We seek through our services in the energy sector to create sustainable and long-term value for our customers, with distinguished national competencies and expertise, and unique global partnerships, which played a decisive role in the success of our previous projects, and ensure that high standards of governance are followed.

Renewable energy

Solar technology is indeed dominant in the renewable energy market. As we witness a global shift towards clean energy resources, Ra'edat AlRiadh has embarked on the provision of integrated EPC services for renewable energy projects, starting from the design and supply of the best products, ensuring good implementation, and diversifying those products and services in their fields: Such as photovoltaic power solutions for On-Grid, Off-Grid and Hybrid PV systems, solar PV systems for farm pumps, wind power, street lighting. In addition, the emergence and evolution of energy storage solutions have made us keen to create diverse global partnerships that meet all customers' needs.

Electrical installations

owing to the company's specialization in the building and construction sector, enabling it to implement many electrical installations and plants, we have subsequently provided high quality and standard quality service and are developing business with energy efficiency policies and programs supported by technological advancement and practical experience, to develop new assets and manage assets in the energy sector.

Power Plants Maintenance and Operation

Ra'edat AlRiadh, with its high-quality products and experienced staff, has experience in the maintenance and operation of power plants and possesses all of the critical success criteria to assure the best management and operation of various power projects.



Oil and Gas Sector

Installations in industrial facilities

We have a qualified technical staff to carry out various installations, and provide integrated solutions that include studies and engineering consultations, all of this is only in hands of a group of experts and engineers.

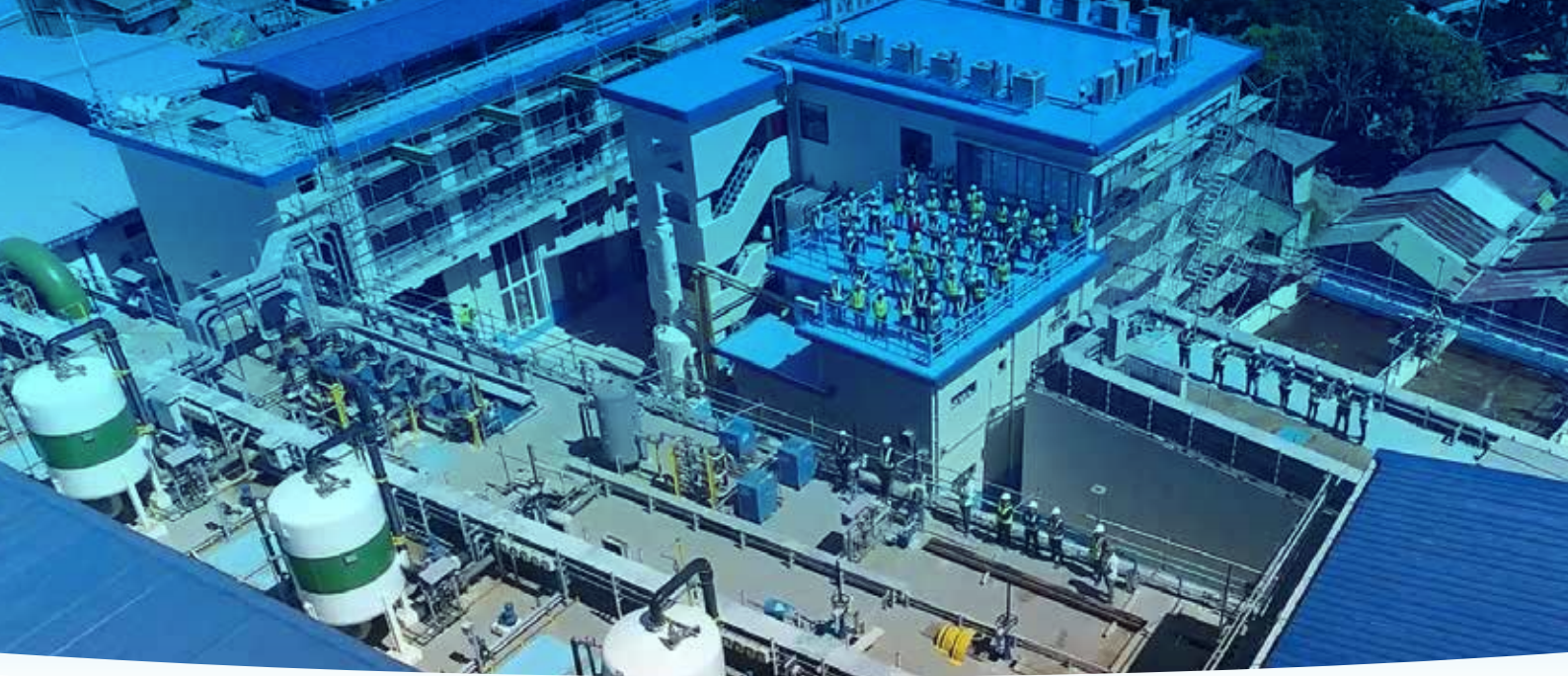
Maintenance and Operation Services for Industrial Plants

Industrial plants are one of the most hazardous enterprises, and working and operating therein require a multiplier effort. We bet on our excellence in identifying the causes of the breakdowns, and providing spare parts and maintenance for engines and equipment, as well as we carry out the basic installations for industrial plants operation. We have enough experience and a professional and qualified team regardless of the size of the facility or the field of its work, to ensure business continuity and expeditious completion. By virtue of the accumulated experience in attracting distinct domestic and international competencies

Providing heavy equipment

In addition to the human element, mega projects require the necessary equipment to complete the project. We look forward to contributing to the completion of projects of various sizes by providing heavy equipment to our customers, with multiple options and superior flexibility.





Water Sector

We have worked through the years of experience we have acquired and the list of completed projects that are meeting the aspirations of customers, to put in your hands with confidence the best services related to infrastructure services for the water sector.

Water networks and home connections

Ra'edat AlRiadh implements water networks for the main lines within cities, and water lines from strategic reservoirs, and connects them to residential units. We also install electronic meters and connect them to the SCADA system.

Upper and Land-based reservoirs

Our team has implemented many upper and land-based reservoir projects, and we also install pumps and work in water distribution in the main network with trained hands and qualified technical staff.

Sewerage networks

We do professional studies and design and construct sewerage networks for mainlines based on the highest standards, and we connect housing units on the main sewerage network.



Pumping stations

We operate pumping stations with the latest technology, providing the best solutions and specialized devices in this field. The company also offers many products and engines for water pumping stations and successfully handles their operations.

Treatment plants

We provide a complete EPC solution for water treatment plants in accordance with the regulations and specifications of the National Water Company and Saline Water Conversion Corporation in order to optimize their use as an essential component of life.

Security and Safety sector

Our accumulated experience in our various projects contributed to maintaining the quality of our services and achieving the desired value for our partners, as we provide integrated solutions, starting from the design, supply and installation of alarm and firefighting equipment. In our exertion to provide a safe and sound environment that guarantees us a healthy work community, and the safety of lives and property by choosing the best systems and equipment necessary to realize the same.



Catering and subsistence sector

It is one of the most important sectors that we pay special attention to because of its association with health and hospitality inherited from the Inherent Arab culture and heritage, and since the title of all companies is shown from hospitality; Therefore, the Hospitality Department nominates the best staff before recruiting it in terms of professional and health competence, and many other aspects. With our long experience and extended success, we work professionally to adopt services and materials according to the best standards, and we train our staff on good handling by showing decency and tact in dealing with visitors and employees.

Security and civil guard services

Ra'eda AlRiyadh provides security solutions suitable for each type of facility, as we study the need and work with our client to achieve the objectives and to ensure the continued satisfaction of all our partners.





Industrial Sector

In our keenness to ensure the quality of our services and to increase the level of satisfaction of our partners; At Ra'eda AlRiyadhwe have headed to Industry with national hands and global expertise to contribute to enriching local content. We have worked to match our products to the highest international and local standards, and the volume of production ensures our services reach with desired speed, quality and efficiency.



RATCCO

GROUP



Ratcco LED Lights



LED Street Lights

Beluga 125 / 140 / 150lm/W



MICRO

Model:RTC-STB1-1-015 / 025 / 035 / 045 Rated Power:15-45W
Fixture Lumen Output:
1875-6750lm



RTC-STB1-2-060



RTC-STB1-3-090

MINI

Model:RTC-STB1-2-060 /
RTC-STB1-3-090 Rated Power:60-90W
Fixture Lumen Output:7500-13500lm



RTC-STB1-4-120



RTC-STB1-5-090

MIDI

Model:RTC-STB1-4-120 /
RTC-STB1-5-090 Rated Power:90-120W
Fixture Lumen Output:11250-18000lm



RTC-STB1-6-150



RTC-STB1-7-180 / 200

MAXI

Model:RTC-STB1-6-150 /
RTC-STB1-7-180 / 200 Rated Power:
150-200W
Fixture Lumen Output:
18750-30000lm



RTC-STB1-8-180 / 200



RTC-STB1-9-240 / 280 / 300

MAXI PLUS

Model:RTC-STB1-8-180 /
200 RTC-STB1-9-240 / 280
/300 Rated Power:
180-300W
Fixture Lumen
Output:22500-45000lm

LED Street Lights

Manta 130 / 150 / 160lm/W



MICRO

Model:RTC-STC3-1
(20-60W)Rated
Power:20-60W
Fixture Lumen Output:
2600-9000lm



RTC-STC3-2(40-60W)



RTC-STC3-3
(90W)

MINI

Model:RTC-STC3-2(40-60W) /
STC3-3(90W)Rated Power:40-90W
Fixture Lumen Output:
6400-14400lm



MIDI

Model:RTC-STC3-4
(120-150W)Rated
Power:120-150W
Fixture Lumen Output:
15600-24000lm



MAXI

Model:RTC-STC3-5
(180-240W)Rated
Power:180-240W
Fixture Lumen Output:
23400-38400lm

SharkLite 125 / 140 / 150lm/W



MICRO

Model:
RTC-STB7-1-020 / 030 / 040 /
060 Rated Power:
20-60W
Fixture Lumen Output:
2500-8400lm



MINI

Model:
RTC-STB7-2-060 / 080 / 090 /
100 Rated Power:
60-100W
Fixture Lumen Output:
7500-15000lm



MIDI

Model:
RTC-STB7-3-120 / 150
Rated Power:
120-150W
Fixture Lumen Output:
15000-22500lm

Shark 125 / 140 / 150lm/W



MINI

Model:
RTC-STA3-1-035 / 060
Rated Power:35-60W
Fixture Lumen Output:
4375-9000lm



MIDI

Model:
RTC-STA3-2-090 / 120
Rated Power:90-120W
Fixture Lumen Output:
11250-18000lm



MAXI

Model:
RTC-STA3-3-150 / 180 / 200 /
240 Rated Power:
150-240W
Fixture Lumen Output:
18750-36000lm

LED Street Lights

Ledolphin 125 / 140 / 150lm/W



MICRO

Model:
RTC-STA8-1-015 / 025 / 035 /
045 Rated Power:
15-45W
Fixture Lumen Output:
1875-6750lm



MINI

Model:
RTC-STA8-2-06
0 Rated Power:
60W
Fixture Lumen Output:
7500-9000lm



MIDI

Model:
RTC-STA8-3-090 /
120 Rated Power:
90-120W
Fixture Lumen Output:
11250-18000lm



MAXI

Model:
RTC-STA8-4-150 /180 /
200 Rated Power:
150-200W
Fixture Lumen Output:
18750-30000lm

LED Street Lights

Tuna 125 / 155lm/W



MICRO

Model:
RTC-STB9-1-020 / 030 / 040
Rated Power:
20-40W
Fixture Lumen Output:
2500-6200lm



MINI

Model:
RTC-STB9-2-050 / 060 /
075 Rated Power:
45-60W
Fixture Lumen Output:
5625-9300lm



MINI PLUS

Model:RTC-STB9-3-090 /
100 / 120
Rated Power:
90-120W
Fixture Lumen Output:
11250-18600lm



MIDI

Model:
RTC-STB9-4-150Rated
Power:150W
Fixture Lumen Output:
18750-23250lm



MAXI

Model:RTC-STB9-5-180 /
200
Rated Power:
180-200W
Fixture Lumen Output:
22500-31000lm

LED Street Lights

Nano 120 / 150lm/W



MICRO

Model:
RTC-STA7-0-015 / 020 / 030 /
040
Rated Power:
15-40W
Fixture Lumen Output:
1800-6000lm



MINI

Model:
RTC-STA7-1-050 / 060
Rated Power:
50-60W
Fixture Lumen Output:
6000-9000lm



MINI PLUS

Model:RTC-STA7-4-070 / 080 /
090 / 100
Rated Power:
70-100W
Fixture Lumen Output:
8400-15000lm



MIDI

Model:
RTC-STA7-3-120 / 150 /
Rated Power:
120-150W
Fixture Lumen Output:
14400-22500lm



MAXI

Model:
RTC-STA7-5-180 / 200 / 220 / 240 /
300
Rated Power:
180-300W
Fixture Lumen Output:
21600-45000lm

LED Street Lights

Guppy 125 / 150lm/W



MICRO

Model:
RTC-STB8-1-030 / 040 / 050
Rated Power:
30-50W
Fixture Lumen Output:
3750-7500lm



MINI

Model:
RTC-STB8-2-060 / 070 /
080
Rated Power:
60-80W
Fixture Lumen Output:
7500-12000lm



MINI PLUS

Model:RTC-STB8-3-090 /
100 / 120
Rated Power:
90-120W
Fixture Lumen Output:
11250-18000lm



MIDI

Model:
RTC-STB8-4-150
Rated Power:
150W
Fixture Lumen Output:
18750-22500lm



MAXI

Model:RTC-STB8-5-180 /
200
Rated Power:
180-200W
Fixture Lumen Output:
22500-30000lm

LED Street Lights

NanoLite 130 / 160lm/W



MICRO

Model:RTC-STC5-1
Rated Power:20-30W
Fixture Lumen Output:
2600-4800lm



MINI

Model:RTC-STC5-2
Rated Power:40-60W
Fixture Lumen Output:
5200-9600lm



MINI PLUS

Model:RTC-STC5-3
Rated Power:80W
Fixture Lumen Output:
10400-12800lm



MIDI

Model:RTC-STC5-4
Rated Power:90-120W
Fixture Lumen Output:
11700-19200lm



MAXI

Model:RTC-STC5-5
Rated Power:
150-200W
Fixture Lumen Output:
19500-32000lm

LED Street Lights

GuppyLite 130 / 150lm/W



Model: RTC-STC8-1
Rated Power: 20-40W
Fixture Lumen Output: 2600-6000lm

RuraLite 120lm/W



MICRO



Model: RTC- STE3-1-020
Rated Power: 20W
Fixture Lumen Output: 2400lm

MINI



Model: RTC- STE3-2-030
Rated Power: 30W
Fixture Lumen Output: 3600lm

MIDI



Model: RTC- STE3-3-050
Rated Power: 50W
Fixture Lumen Output: 6000lm

MAXI



Model: RTC- STE3-4-100/150
Rated Power: 100-150W
Fixture Lumen Output: 12000-18000lm

LED Street Lights

RuraLite II 115 / 120lm/W



MINI



Model: RTC-STE4-1-030 / 050
Rated Power: 30-50W
Fixture Lumen Output: 3000-6000lm

MIDI



Model: RTC-STE4-2-100
Rated Power: 100W
Fixture Lumen Output: 12000lm

MAXI



Model: RTC-STE4-2-150
Rated Power: 150W
Fixture Lumen Output: 18000lm

LED Street Lights

EcoFlex 130 / 150lm/W



MICRO

Model:
RTC-STB3-0-030 / 040
Rated Power: 30-40W
Fixture Lumen Output: 3900-6000lm



MICRO PLUS

Model:
RTC-STB3-1-050 / 060
Rated Power: 50-60W
Fixture Lumen Output: 6500-9000lm



MINI

Model: RTC-STB3-2-070 / 80
Rated Power: 70-80W
Fixture Lumen Output: 9100-12000lm



MINI PLUS

Model: RTC-STB3-3-090 / 100 / 120
Rated Power: 90-120W
Fixture Lumen Output: 11700-18000lm



MIDI

Model:
RTC-STB3-4-130 / 140 / 150 / 160
Rated Power: 130-160W
Fixture Lumen Output: 16900-24000lm



MAXI

Model:
RTC-STB3-5-180 / 200
Rated Power: 180-200W
Fixture Lumen Output: 22400-30000lm

LED Street Lights

EconPlus 125lm/W



MINI

Model:
RTC-STB5-1-020 / 030
Rated Power:20-30W
Fixture Lumen Output:
2500-3750lm



MIDI

Model:
RTC-STB5-2-040 / 050
Rated Power:40-50W
Fixture Lumen Output:
5000-6250lm

I-Lux 110 / 130lm/W



Model:RTC-ST05-1K / 2
2K / 3 / 4 Rated Power:
65-250W Fixture Lumen
Output:7150-32500lm

LED Street Lights

Nova 150lm/W



PC Range

Model:RTC-STC2-1
Rated Power:15-100W
Fixture Lumen Output:
2250-15000lm



Glass Range

Model:RTC-STC2-2
Rated Power:20-80W
Fixture Lumen Output:
3000-12000lm

LED Street Lights

M-LUX 150lm/W



MICRO

Model: RTC-STC6-1
Rated Power: 40-80W
Fixture Lumen Output: 6000-12000lm



MINI

Model: RTC-STC6-2
Rated Power: 100-150W
Fixture Lumen Output: 15000-22500lm



MINI PLUS

Model: RTC-STC6-3
Rated Power: 180-240W
Fixture Lumen Output: 27000-36000lm



MIDI

Model: RTC-STC6-4
Rated Power: 300W
Fixture Lumen Output: 45000lm

LED Street Lights



MAXI

Model: RTC-STC6-5
Rated Power: 350W
Fixture Lumen Output: 52500lm



MAXI PLUS

Model: RTC-STC6-6
Rated Power: 400W
Fixture Lumen Output: 60000lm

LED Solar Street Lights

Comet



Model:
RTC-SLEN-1-150

Fixture Lumen Output:
2000lm

Working Model :

Time control

Turn on the light at dark and turn off the light at dawn at 1h-100% brightness, 2h-75% brightness, 2h- 50% brightness, 5h-25% brightness, 2h-30% brightness.

Remote control

When charging, the indicator light will be on;

When power shortage, the indicator light will blink 3 times every 5 seconds

When the battery is fully charged, the indicator light will be off

Lumen Output	Solar Panel	Battery
		WH
2000lm	60W	45

The configurations are based on the peak sunshine duration in South Africa and the specified working mode.

LED Flood Lights

EconFlood 1 110lm/W



MICRO



Model: RTC-PREK-1-050
Rated Power: 50W
Fixture Lumen Output: 5500lm

MINI



Model: RTC-PREK-2-100
Rated Power: 100W
Fixture Lumen Output: 11000lm

MIDI



Model: RTC-PREK-3-150 / 200
Rated Power: 150-200W
Fixture Lumen Output: 16500-22000lm

MAXI



Model: RTC-PREK-4-300
Rated Power: 300W
Fixture Lumen Output: 33000lm

LED Flood Lights

EconFlood 2 90lm/W



MICRO



Model: RTC-PREL-1-010 / 020
Rated Power: 10-20W
Fixture Lumen Output: 900-1800lm

MINI



Model: RTC-PREL-2-030
Rated Power: 30W
Fixture Lumen Output: 2700lm

MINI PLUS



Model: RTC-PREL-3-050
Rated Power: 50W
Fixture Lumen Output: 4500lm

MIDI



Model: RTC-PREL-4-100
Rated Power: 100W
Fixture Lumen Output: 9000lm

MAXI



Model: RTC-PREL-5-150
Rated Power: 150W
Fixture Lumen Output: 13500lm

LED Flood Lights

EconFlood 3 90lm/W



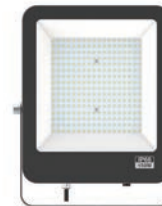
Model: RTC-PREM-1-030
Rated Power: 30W
Fixture Lumen Output: 2700lm



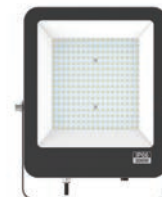
Model: RTC-PREM-1-050
Rated Power: 50W
Fixture Lumen Output: 4500lm



Model:
RTC-PREM-2-100 Rated
Power: 100W
Fixture Lumen Output: 9000lm



Model: RTC-PREM-3-150
Rated Power: 150W
Fixture Lumen Output: 13500lm



Model: RTC-PREM-3-200
Rated Power: 200W
Fixture Lumen Output: 18000lm

LED Flood Lights

GeniFlood 115 / 130lm/W



MICRO

Model:
RTC-PR13-1-050
Rated Power:
50W
Fixture Lumen Output:
5750-6500lm



MINI

Model:
RTC-PR13-2-100
Rated Power:
100W
Fixture Lumen Output:
11500-13000lm



MIDI

Model:
RTC-PR13-3-150
Rated Power:
150W
Fixture Lumen Output:
17250-19500lm



MAXI

Model:
RTC-PR13-4-200
Rated Power:
200W
Fixture Lumen Output:
23000-26000lm

LED Flood Lights

StarFlood 110 / 140lm/W



Model: RTC-PRET-1-050
Rated Power: 50W
Fixture Lumen Output: 5500-7000lm



Model: RTC-PRET-2-100
Rated Power: 100W
Fixture Lumen Output: 11000-14000lm



Model: RTC-PRET-3-150
Rated Power: 150W
Fixture Lumen Output: 16500-21000lm



Model: RTC-PRET-4-200
Rated Power: 200W
Fixture Lumen Output: 22000-28000lm



Model: RTC-PRET-5-300
Rated Power: 300W
Fixture Lumen Output: 33000-42000lm



Model: RTC-PRET-5-400
Rated Power: 400W
Fixture Lumen Output: 44000-56000lm

LED Flood Lights

StraFlood RGB



6 basic colors: red, green, blue, orange, purple and yellow



Model:
RTC-PREQ-1-010 Rated
Power: 10W



Model:
RTC-PREQ-1-020 Rated
Power: 20W



Model:
RTC-PREQ-1-030 Rated
Power: 30W



Model:
RTC-PREQ-1-050 Rated
Power: 50W



Model:
RTC-PREQ-1-070 Rated
Power: 70W



Model:
RTC-PREQ-1-100 Rated

LED Flood Lights

StarFlood Solar



Model: RTC-PLE4-1-020
Rated Power: 20W
Fixture Lumen Output: 360lm



Model: RTC-PLE4-2-030
Rated Power: 30W
Fixture Lumen Output: 480lm



Model: RTC-PLE4-3-050
Rated Power: 50W
Fixture Lumen Output: 960lm



Model: RTC-PLE4-4-100
Rated Power: 100W
Fixture Lumen Output: 2100lm



Model: RTC-PLE4-5-200
Rated Power: 200W
Fixture Lumen Output: 4400lm



Model: RTC-PLE4-6-300
Rated Power: 300W
Fixture Lumen Output: 6100lm

LED Flood Lights

StarFlood Infrared 90lm/W



Model: RTC-PREQ-1-010
Rated Power: 10W
Fixture Lumen Output: 900lm



Model: RTC-PREQ-1-020
Rated Power: 20W
Fixture Lumen Output: 1800lm



Model: RTC-PREQ-2-030
Rated Power: 30W
Fixture Lumen Output: 2700lm



Model: RTC-PREQ-2-050
Rated Power: 50W
Fixture Lumen Output: 4500lm

LED Flood Lights

TransFlood 150lm/W



Model:
RTC-PREP-1-050
Rated Power:
50W
Fixture Lumen Output:
7500lm



Model:
RTC-PREP-2-100
Rated Power:
100W
Fixture Lumen Output:
15000lm



Model:
RTC-PREP-3-150
Rated Power:
150W
Fixture Lumen Output:
22500lm



Model:
RTC-PREP-3-200
Rated Power:
200W
Fixture Lumen Output:
25000lm

LED Flood Lights

MaxFlood 120lm/W



Model: RTC-PRES-1-300
Rated Power: 300W
Fixture Lumen Output: 36000lm



Model: RTC-PRES-2-400
Rated Power: 400W
Fixture Lumen Output: 48000lm



Model: RTC-PRES-3-500
Rated Power: 500W
Fixture Lumen Output: 60000lm



Model: RTC-PRES-4-600
Rated Power: 600W
Fixture Lumen Output: 72000lm



Model: RTC-PRES-5-800
Rated Power: 800W
Fixture Lumen Output: 96000lm



Model: RTC-PRES-6-1000
Rated Power: 1000W
Fixture Lumen Output: 120000lm

LED Flood Lights

DuraFlood 120lm/W



Model:
RTC-PREN-1-010
Rated Power:10W
Fixture Lumen Output:
1200lm



Model:
RTC-PREN-2-020
Rated Power:20W
Fixture Lumen Output:
2400lm



Model:
RTC-PREN-2-030
Rated Power:30W
Fixture Lumen Output:
3600lm



Model:
RTC-PREN-3-050
Rated Power:50W
Fixture Lumen Output:
6000lm



Model:
RTC-PREN-4-100
Rated Power:100W
Fixture Lumen Output:
12000lm

LED Flood Lights

ModuLux 120 / 150lm/W



Model: RTC-PR05-2
Rated Power: 80-120W
Fixture Lumen Output: 9600-18000lm



Model: RTC-PR05-3
Rated Power: 150-200W
Fixture Lumen Output: 18000-30000lm



Model: RTC-PR05-4
Rated Power: 240W
Fixture Lumen Output: 28800-36000lm



Model: RTC-PR05-5
Rated Power: 300W
Fixture Lumen Output: 36000-45000lm



Model: RTC-PR05-6
Rated Power: 360W
Fixture Lumen Output: 43200-54000lm



Model: RTC-PR05-8
Rated Power: 400-500W
Fixture Lumen Output: 48000-75000lm

LED Flood Lights

Venus 130 / 140lm/W



Model: RTC-PREH-1-500
Rated Power: 500W
Fixture Lumen Output: 65000-70000lm



Model: RTC-PREH-2-600
Rated Power: 600W
Fixture Lumen Output: 78000-84000lm



Model: RTC-PREH-3-800
Rated Power: 800W
Fixture Lumen Output: 104000-112000lm



Model: RTC-PREH-4-1200
Rated Power: 1200W
Fixture Lumen Output: 156000-168000lm



Model: RTC-PREH-5-1500
Rated Power: 1500W
Fixture Lumen Output: 195000-210000lm

LED Flood Lights

Bigeye 130lm/W



RTC-PRE6-1-400 / 500

Model:
RTC-PRE6-1-400 / 500
Rated Power:
400-500W
Fixture Lumen Output:
52000-65000lm



RTC-PRE6-1-800 / 1000

Model:
RTC-PRE6-1-800 /
1000 Rated Power:
800-1000W
Fixture Lumen Output:
104000-130000lm

LED Flood Lights

Hera 130 / 140lm/W



Model: RTC-PREJ-1-250
Rated Power: 250W
Fixture Lumen Output: 32500-35000lm



Model: RTC-PREJ-2-500
Rated Power: 500W
Fixture Lumen Output: 65000-70000lm



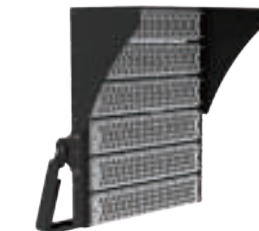
Model: RTC-PREJ-3-750
Rated Power: 750W
Fixture Lumen Output: 97500-105000lm



Model: RTC-PREJ-4-1000
Rated Power: 1000W
Fixture Lumen Output: 130000-140000lm



Model: RTC-PREJ-5-1250
Rated Power: 1250W
Fixture Lumen Output: 162500-175000lm



Model: RTC-PREJ-6-1500
Rated Power: 1500W
Fixture Lumen Output: 195000-210000lm

LED Flood Lights

Unicorn 130lm/W



Model: RTC-PRE5-1-250
Rated Power: 250W
Fixture Lumen Output: 32500lm

Model: RTC-PRE5-2-500
Rated Power: 500W
Fixture Lumen Output: 65000lm

Model: RTC-PRE5-3-750
Rated Power: 750W
Fixture Lumen Output: 97500lm

Model: RTC-PRE5-4-1000
Rated Power: 1000W
Fixture Lumen Output: 130000lm

Model: RTC-PRE5-5-1250
Rated Power: 1250W
Fixture Lumen Output: 162500lm

LED Landscape Lights

Villa 120 / 135lm/W



Model: RTC-YA05-1
Rated Power: 20-80W
Fixture Lumen Output: 2400-10800lm

Beta 105 / 135lm/W



Model: RTC-YA04-1
Rated Power: 15-80W
Fixture Lumen Output: 1575-10800lm

Opera 105 / 125lm/W



Model: RTC-YA03-1
Rated Power: 15-80W
Fixture Lumen Output: 1575-10000lm

Plaza 110lm/W



Model: RTC-YAEA-1
Rated Power: 30-80W
Fixture Lumen Output: 3300-8800lm

LED Industrial Lights

Nova Canopy 155lm/W



Model:
RTC-RC01-1-030
RTC-RC01-1-040
RTC-RC01-1-060
RTC-RC01-1-080Rated
Power:30-80W
Fixture Lumen Output:
4650-12400lm

LED Industrial Lights

Jade 130 / 150lm/W



Model:
RTC-HBEA-1-100
RTC-HBEA-2-150
RTC-HBEA-3-200
Rated Power:
100-200W
Fixture Lumen Output:
13000-30000lm

Ruby 140 / 170 / 200lm/W



Model:
RTC-AHB01-1-100
RTC-AHB01-2-150
RTC-AHB01-3-200
RTC-AHB01-4-240
Rated Power:
100-240W
Fixture Lumen Output:
14000-48000lm

Edge 150 / 170 / 190lm/W



Model:
RTC-HBE7-1-100
RTC-HBE7-1-150
RTC-HBE7-1-200
RTC-HBE7-1-240Rated
Power:100-240W
Fixture Lumen Output:
15000-45600lm

LED Industrial Lights

UniBay Pro 135lm/W



Model:
RTC-DES100/150/200-1
RTC-DES100/150/200-
2 Rated Power:
100-200W
Fixture Lumen Output:
13500-27000lm

UniBay 135lm/W



Model:
RTC-EC1-100/150/200
Rated Power:
100-200W
Fixture Lumen Output:
13500-27000lm

LED Tunnel Lights

Linear Moon 100 / 110lm/W



Model:RTC-TNF3
Rated Power:30-100W
Fixture Lumen Output:
3000-11000lm

Pearl Moon 110lm/W



Model:
RTC-TNA3-1 / 2 / 3 / 4
Rated Power:30-240W
Fixture Lumen Output:
3300-26400lm

LED Modules

LiteModule S 140 / 165lm/W



Model: UIN-M02
Rated Power: 30-60W
Fixture Lumen Output: 4200-9900lm

LiteModule S 135lm/W



Model: UIN-M03
Rated Power: 40W
Fixture Lumen Output: 5400lm

LiteModule E 130lm/W



Model: RTC-M07
Rated Power: 60W
Fixture Lumen Output: 7800lm

LiteModule E 130lm/W



Model: RTC-MA0
Rated Power: 40W
Fixture Lumen Output: 5200lm

LED Modules

LiteModule F 130lm/W



Model: RTC-M08
Rated Power: 30-40W
Fixture Lumen Output: 3900-5200lm

LiteModule G 120lm/W



Model: RTC-M09
Rated Power: 60W
Fixture Lumen Output: 7200lm

Road Lighting Series

Landscape Lighting Series



Youth



Grace



Jade



Dysis



Libra



Multiverse



Velvet



Jasmine



Spring



Silk



Rhythm



Reed



Flora



Bending



Castle



Lantern

RATCCO

GROUP



Solar Street Lights



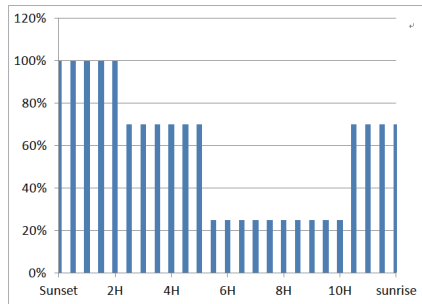
LED Solar Street Lights

SunMaster Split 175lm/W

Model: RTC-STA7-1/3/4

Rated Power: 20-100W

Fixture Lumen Output: 3500-17500lm



Working Mode



Product Model	Rated Power	Lumen Output	Solar Panel	System Voltage	Battery
					AH
Nano mini	20W	3500lm	18V, 80Wp, 1pcs	12V	35
Nano mini	30W	5250lm	18V, 100Wp, 1pcs	12V	54
Nano mini	40W	7000lm	18V, 120Wp, 1pcs	12V	72
Nano mini	50W	8750lm	18V, 80Wp, 2pcs	12V	88
Nano mini	60W	10500lm	18V, 100Wp, 2pcs	24V	54
Nano mini plus	60W	10500lm	18V, 100Wp, 2pcs	24V	54
Nano midi	80W	14000lm	18V, 120Wp, 2pcs	24V	70
Nano midi	100W	17500lm	18V, 150Wp, 2pcs	24V	88

The configurations are based on the peak sunshine duration in South Africa and the specified working mode.

LED Solar Street Lights

ELite 170lm/W



Model: RTC-SLEC-1

Rated Power: 30-80W

Fixture Lumen Output: 5100-13600lm

Working Model: PRI/Microwave sensor

When someone approaches: 2hrs 100%, 3hrs 50%, 6hrs 20%, 1hr 30%

When no one pass by: 20%

Rated Power	Lumen Output	Solar Panel	System Voltage	Battery
				AH
30W	5100lm	40W	12V	18
40W	6800lm	50W	12V	24
50W	8500lm	60W	12V	30
60W	10000lm	80W	24V	18
70W	12000lm	90W	24V	24
80W	13600lm	100W	24V	24

The configurations are based on the peak sunshine duration in South Africa and the specified working mode.

LED Solar Street Lights

ELite II



Model:
 RTC-SL01-1-020
 RTC-SL01-1-030
 RTC-SL01-1-040
 RTC-SL01-1-050
 RTC-SL01-1-060
 RTC-SL01-1-080
 RTC-SL01-1-090

Fixture Lumen Output:
 3600-18000lm

Working Model :

1. Get charged at daytime
2. Dim to low brightness when nobody is around
3. Dim to high brightness when people approach

Lumen Output	Solar Panel	System Voltage	Battery
			AH
3600/4000lm	40W	12V	15
5400/6000lm	40W	12V	18
7200/8000lm	50W	12V	24
9000/10000lm	60W	24V	15
10800/12000lm	80W	24V	18
14400/16000lm	100W	24V	24
16200/18000lm	120W	24V	30

The configurations are based on the peak sunshine duration in South Africa and the specified working mode.

LED Solar Street Lights

SLite I



Model:
 RTC-SLEI-1-100
 RTC-SLEI-2-200
 RTC-SLEI-3-300

Fixture Lumen Output:
 1000-2000lm

Working Model :

1. Time control
 1hr-100% brightness, 2hrs-70% brightness, 2hrs-50% brightness, 6hrs-30% brightness

2. Time control + microwave induction:

Turn on the light at dark and turn off the light at dawn.

When someone approaches: 100% brightness

After people walk away: Dim to 30% brightness

Lumen Output	Solar Panel	System Voltage	Battery
			AH
1000lm	20W	5V	14
1300lm	24W	5V	28
2000lm	28W	5V	35

The configurations are based on the peak sunshine duration in South Africa and the specified working mode.

LED Solar Street Lights

SLite II



Model:
 RTC-SLEG-2-030 / RTC-SLEG-3-040
 RTC-SLEG-4-060 /
 RTC-SLEG-5-080 RTC-SLEG-5-100 /
 RTC-SLEG-5-120

Fixture Lumen Output:
 3900-15000lm

Working Model :

Demo Mode	Light "on" for 1 minute (only for test)	
OFF Mode	Keep light "off", no matter day or night	
L Mode	At night, 100%-2hrs, 60%-3hrs, 20%-dawn	At night, 100%-2hrs, 70%-2hrs, 30%-dawn
T Mode	At night, 100%-3hrs, 50%-3hrs, 30%-2hrs	At night, 100%-1hr, 70%-2hrs, 40%-3hrs
M Mode	At night, 100%-3hrs, 50%-3hrs, 100% light when people come, 20% stand by after 20 seconds	At night, 50%-1hr, 100%-3hrs, 30%-dawn
U Mode	At night, 100%-3hrs, 50%-3hrs(Highlightmode)	100%-1hr, 70%-3hrs, 50%light when people come, 20% stand by after 20 seconds

Lumen Output	Solar Panel	System Voltage	Battery
			WH
3900lm	45W	18V	256
5200lm	60W	18V	320
7800lm	80W	18V	512
10400lm	110W	18V	640
13000lm	110W	18V	768
15000lm	110W	18V	768

The configurations are based on the peak sunshine duration in South Africa and the specified working mode.

LED Solar Street Lights

SLite III



Model:
 RTC-SLEH-1-025
 RTC-SLEH-2-040
 RTC-SLEH-3-060

Fixture Lumen Output:
 3600-8400lm

Working Model :

1. Time control

1hr-100% brightness, 2hrs-70% brightness, 2hrs-50% brightness, 6hrs-30% brightness

2. Time control + microwave induction:

Turn on the light at dark and turn off the light at dawn.

When someone approaches: 100% brightness

After people walk away: Dim to 30% brightness

Lumen Output	Solar Panel	System Voltage	Battery
			AH
3600lm	32W	16V	18
5800lm	48W	16V	24
8400lm	64W	16V	42

The configurations are based on the peak sunshine duration in South Africa and the specified working mode.

LED Solar Street Lights

Halo(15-40W)



Model:
 RTC-SLEJ-1-015
 RTC-SLEJ-1-020
 RTC-SLEJ-1-030
 RTC-SLEJ-1-040

Fixture Lumen Output:
 2700-7200lm

Working Model :

Time control

12hrs per night: 1hr70% + 2hrs100% + dim to dawn

Lumen Output	Solar Panel	System Voltage	Battery
			AH
2700lm	50W	5V	40
3600lm	60W	5V	50
5400lm	80W	5V	70
7200lm	100W	5V	90

The configurations are based on the peak sunshine duration in South Africa and the specified working mode.

LED Solar Street Lights

Halo(50-60W)



Model:
 RTC-SLEF-1-050
 RTC-SLEF-1-060

Fixture Lumen Output:
 8500-10200lm

Working Model :

Demo Mode	Light "on" for 1 minute (only for test)
OFF Mode	Keep Light "off", no matter day or night
L Mode	At night, 100%-2hrs,60%-3hrs, 20%-dawn
T Mode	At night, 100%-2hrs, 70%-4hrs, 20%-2hrs
M Mode	At night, 100%-1hr, 40%-3hrs, 3hrs, 10%-dawn
U Mode	At night, 100%-1hrs, 70%-4hrs, 30%-dawn

Lumen Output	Solar Panel	System Voltage	Battery
			WH
8500lm	120W	18V	480
10200lm	150W	18V	576

The configurations are based on the peak sunshine duration in South Africa and the specified working mode.

Products map

INLUX SOLAR covers a wide-range of solar outdoor Lighting products, allowing one-stop solar outdoor lighting solutions.



Bison Series

Falcon Series

Jaguar Series

Galaxy Series

Allien-S Series

Allien-D Series

Polaris Series

Armour Series

All-In-Two Solar Street Light

LED, Lithium battery & controller are all built inside the fixture as one unit, while the solar panel is separated.

Bison Series	
Lighting Power :	20W -60W
Pole Height :	3-8 Meters
Applications :	
Application: Pathways, Rural Roads, PARKS, PARKING LOT, Perimeters, Etc	

Falcon Series	
Lighting Power :	20W- 80W
Pole Height :	4-9 Meters
Applications :	
Pathways, Rural Roads, Parks, Main Streets, Parking lot, Perimeters, Resorts. Etc.	

Jaguar Series	
Lighting Power :	30W-120W
Pole Height :	6-12 Meters
Applications :	
Rural Roads, Main Streets, Highways, Parking Lot, Resorts. Etc.	

All-In-One solar street light

Solar panel, LED, Lithium battery & controller are all built inside the fixture as one unit.

Galaxy Series	
Lighting Power :	30W -120W
Pole Height :	3-12 Meters
Applications :	
Pathways, Rural Roads, Parks, Main Street, Highway, Parking Lot, Perimeters, Resorts, Etc	

Polaris Series	
Lighting Power :	30W -120W
Pole Height :	3-12 Meters
Applications :	
Pathways, Rural Roads, Parks, Main Street, Highway, Parking Lot, Perimeters, Resorts, Etc	

Allien-S Series	
Lighting Power :	30W-120W
Pole Height :	3-12 Meters
Applications :	
Pathways, Rural Roads, Parks, Main Streets, Highways, Parking lot, Perimeters, Resorts. Etc.	

Allien-D Series	
Lighting Power :	30W-120W
Pole Height :	3-8 Meters
Applications :	
Pathways, Rural Roads, Parks, Main Streets, Parking lot, Perimeters, Resorts. Etc.	

Solar Pole Light

Solar panel is vertically mounted onto the lighting pole, white LED, Lithium battery & controller are all built inside the fixture as one unit.

Armour Series	
Lighting Power :	10W-120W
Pole Height :	3-12 Meters
Applications :	
Parks, Main Streets, Highways, Parking lot, Perimeters, Resorts. Etc.	



All-In-Two Solar Street Light

All-in-two Solar Street Light is the latest model of high power solar street light, it integrates all components except solar panel inside the light fixture, which makes installation much easier.

Meanwhile, the design allows the system to capture maximum solar radiation by adjusting direction of the separated solar panel while still keep the LED Lamp in the direction of area to be illuminated.









BISON Series

INL-AIT7

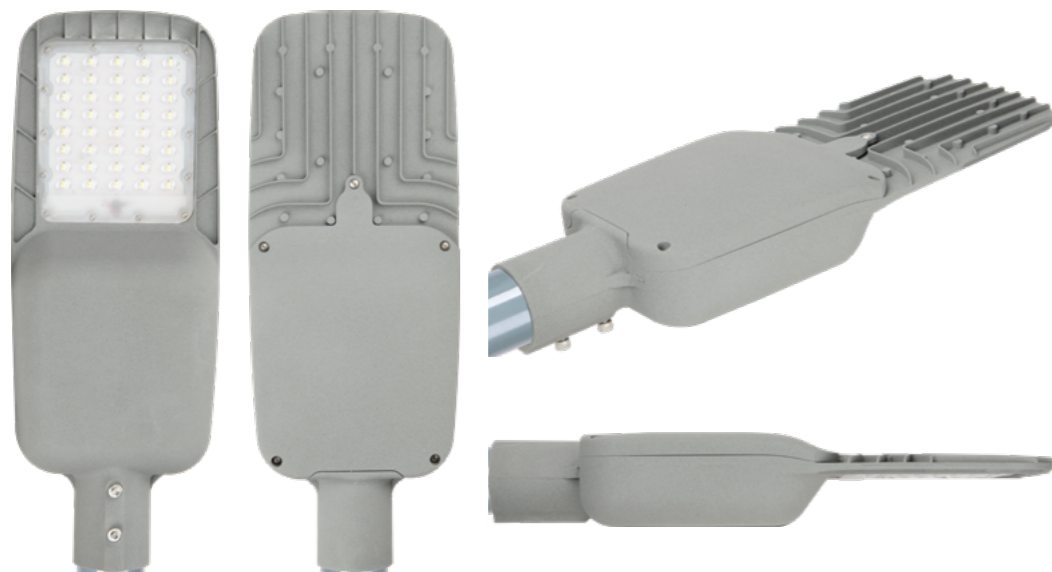
BISON series is designed for lighting of pathway and residential areas, whose lighting power is low.

It is an integration of first-class lighting source, durable LiFePO4 lithium battery and smart control system. The motion sensor and smart wireless system are optional.

Key Features

-  Separate design ensures optimal angle of solar panel, thus the highest charging efficiency.
-  Lighting source, lithium battery and controller are integrated as one unit.
-  Service life of LiFePO4 lithium battery is up to 10 years, which is over 5000 deep cycles.
-  Extremely bright 5050 LED chips are adopted, which ensures over 170lm/watt.
-  The intelligent integrated design simplifies installation remarkably by saving cable connections.
-  Smart Wireless Control System is optional.
-  Smart motion sensor is optional.
-  Plug & Play

Product Photos



All-in-two Solar Street Light

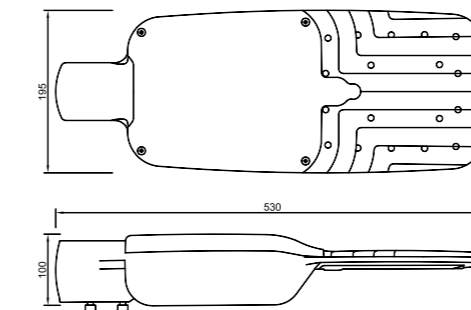


Parameters

Lamp Power	10W-60W
Luminous Efficiency	> 170lm/W
LiFePO4 Lithium Battery Capacity	Up to 640WH
Mounting Height	3-8 Meters
System Life Span	> 7 years
PIR Motion Sensor	√
Remote Control	√

Dimensions

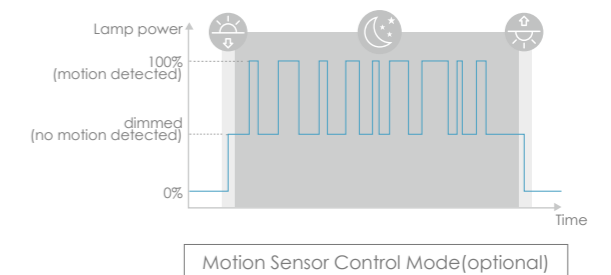
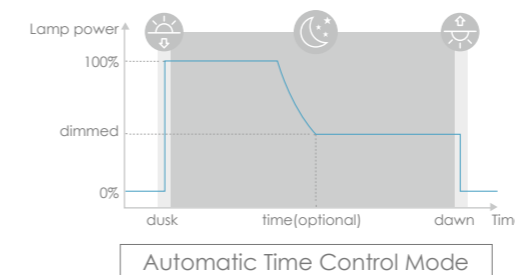
Product	630*310*106mm
Package	645*325*120mm



Smart Lighting Mode

Falcon Series offers various lighting working modes with different programs available.

Working Time	up to 14 hours per night
Autonomy Days Backup	up to 7 days depending on lighting mode



Work at All Climates

With LiFePO4 battery's perfect high temperature resistance, controller's temperature-compensated function and BMS' temperature protection system, Falcon series is able to operate well under extreme climate conditions.

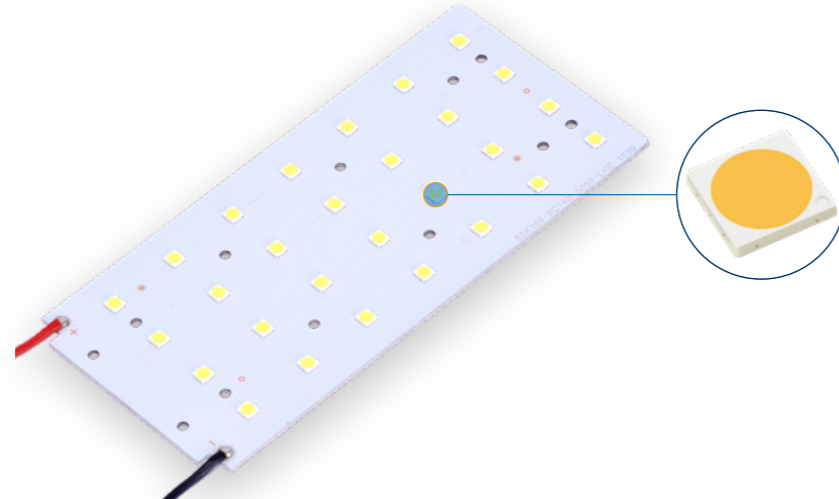


All-in-two Solar Street Light

First-Class Lighting Output

BISON Series provides first-class lighting output solution, which means higher brightness, bigger illumination area and better uniformity.

40pcs 5050 Super Bright LEDs



Top brand LED chips



Up to 220lm/W LED Chip luminous efficiency



>170lm/W Finished lamp luminous efficiency



>100,000 hours life time

Compared with regular solar lights, Bison series uses 5050 led chips from top brands instead of 3030 led chips, which provides higher brightness, perfect performance under high temperature and longer life time.

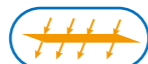
High Quality lens



Superior Polycarbonate material



High Impact Strength



High Light Transmittance

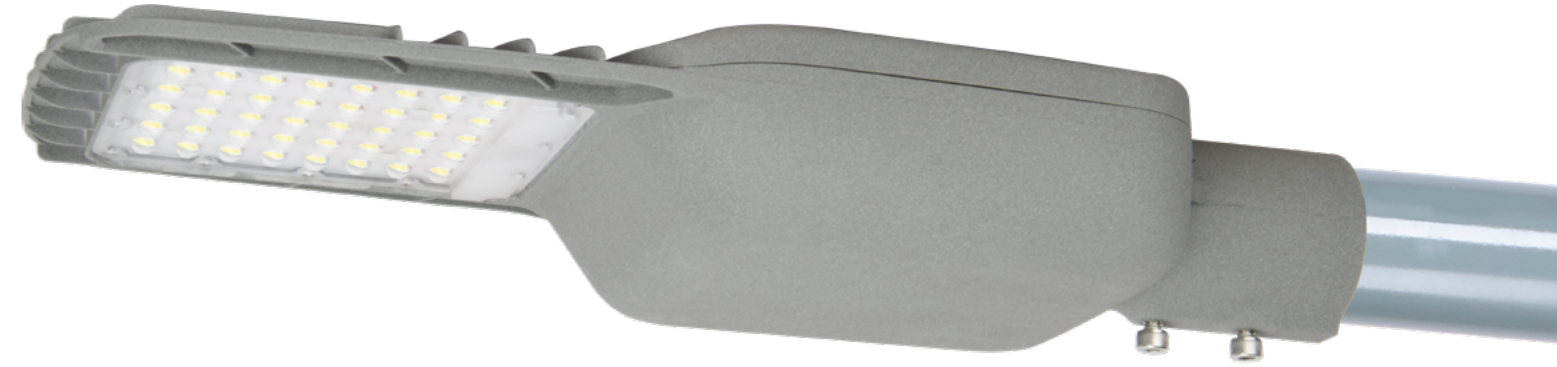


Outstanding flame resistance

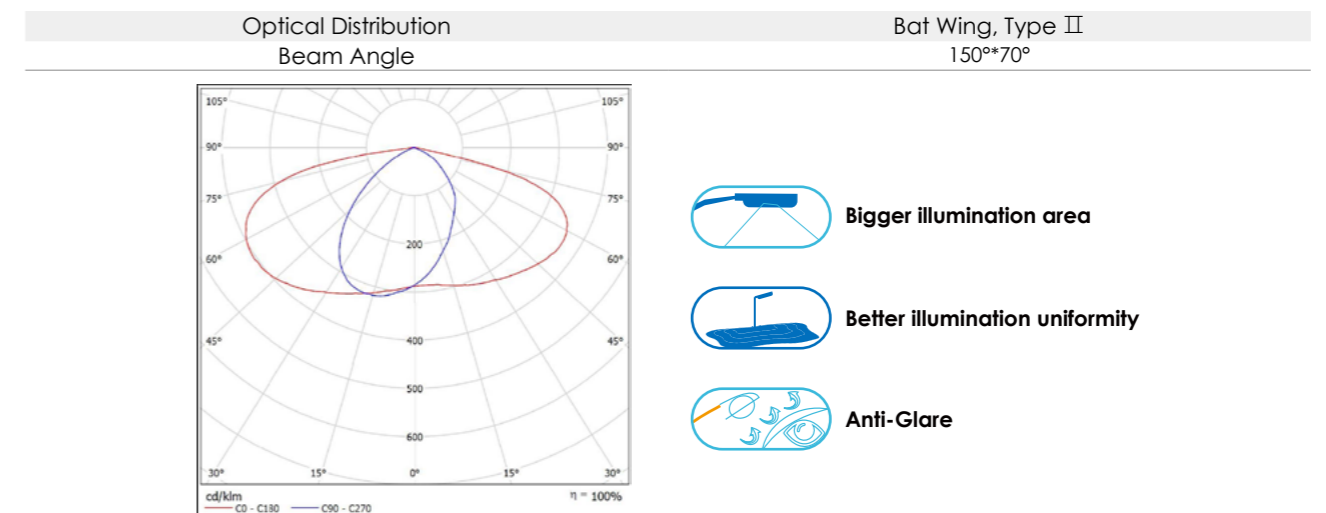


-100°C to 129°C Temperature range

The lens uses Japanese Teijin brand high quality Polycarbonate material, which vastly improves the lighting effect and can endure severe application environment.



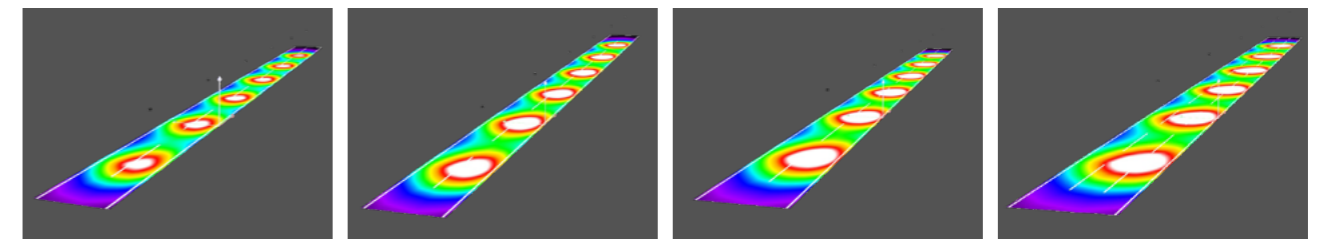
Type II Patented lighting distribution



Specially designed light distribution and bigger beam angle enlarge illumination area and improve lighting uniformity, suitable for rural roads, streets, highways, and residential area.

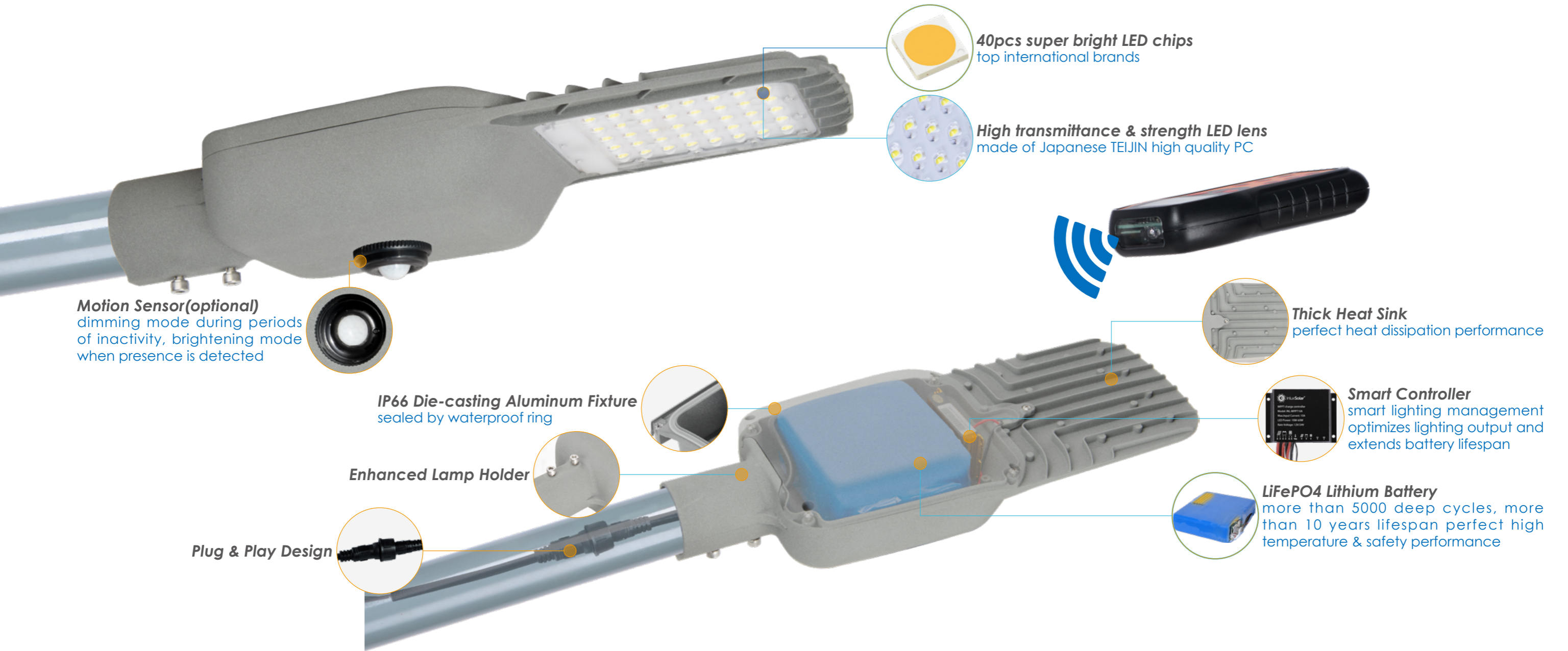
Perfect Lux Readings

Falcon series have perfect Lux readings based on DIALUX simulation.



Lamp Power	Height	Road width	Spacing Distance	Average Lux	Max.Lux
10W	3m	4m	10m	27	51
15W	4m	5m	15m	23	42
20W	5m	6m	18m	20	36
30W	6m	7m	20m	21	38
40W	7m	8m	25m	20	37
50W	8m	9m	30m	20	34

Product Details



Applications

Pathways, Rural Roads, Parks, Main Streets, Parking lot, Perimeters, Resorts. Etc.



All-in-two Solar Street Light

All-in-two Solar Street Light









FALCON Series

INL-AIT6

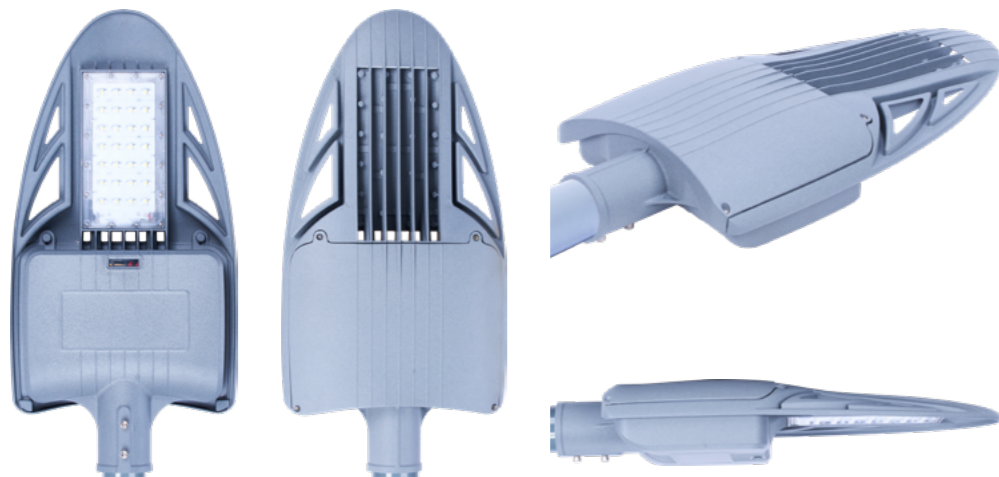
FALCON series, designed for pathway and main street, is All-In-Two Solar Street Light with small-medium LED output and unique "Flying Falcon" appearance.

It is an integration of first-class lighting source, durable LiFePO4 lithium battery and smart control system. The motion sensor and smart wireless system are optional.

Key Features

-  Separate design ensures optimal angle of solar panel, thus the highest charging efficiency.
-  Lighting source, lithium battery and controller are integrated as one unit.
-  Service life of LiFePO4 lithium battery is up to 10 years, which is over 5000 deep cycles.
-  Extremely bright 5050 LED chips are adopted, which ensures over 170lm/watt.
-  The intelligent integrated design simplifies installation remarkably by saving cable connections.
-  Smart Wireless Control System is optional.
-  Smart motion sensor is optional.
-  Plug & Play

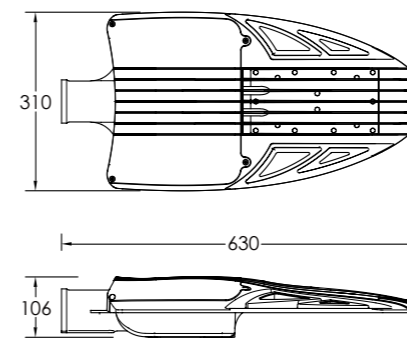
Product Photos



Parameters

Lamp Power	20W – 80W
Luminous Efficiency	> 170lm/W
LiFePO4 Lithium Battery Capacity	Up to 640WH
Mounting Height	4-9 Meters
System Life Span	> 7 years
PIR Motion Sensor	√
Remote Control	√

Dimensions



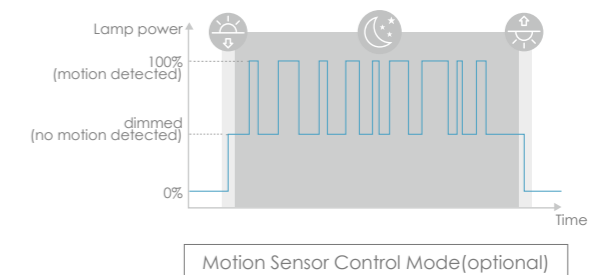
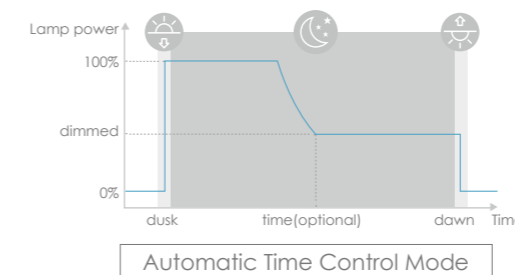
Product	630*310*106mm
Package	700*350*170mm



Smart Lighting Mode

Falcon Series offers various lighting working modes with different programs available.

Working Time	up to 14 hours per night
Autonomy Days Backup	up to 7 days depending on lighting mode



Work at All Climates

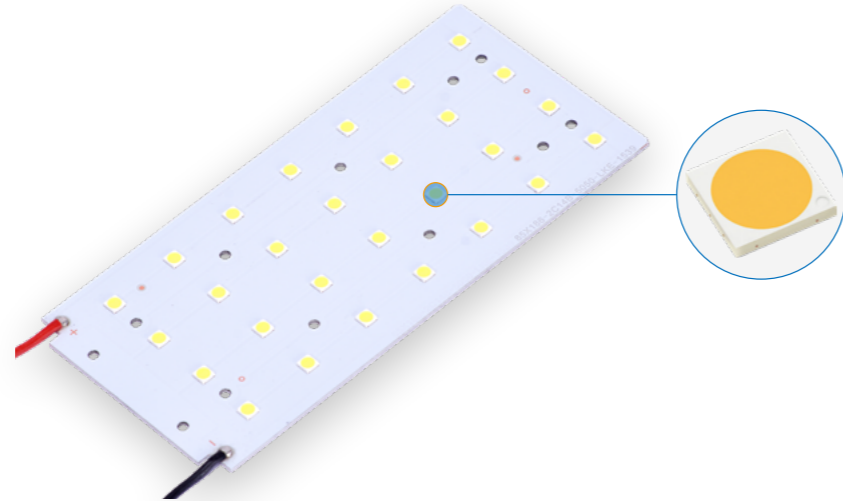
With LiFePO4 battery's perfect high temperature resistance, controller's temperature-compensated function and BMS' temperature protection system, Falcon series is able to operate well under extreme climate conditions.



First-Class Lighting Output

Falcon Series provides first-class lighting output solution, which means higher brightness, bigger illumination area and better uniformity.

28pcs super bright 5050 LED chips



Top brand LED chips



Up to 220lm/W LED Chip luminous efficiency



>170lm/W Finished lamp luminous efficiency



>100,000 hours life time

Compared with regular solar lights, Falcon series uses 5050 led chips from top brands instead of 3030 led chips, which provides higher brightness, perfect performance under high temperature and longer life time.

High Quality lens



Superior Polycarbonate material



High Impact Strength



High Light Transmittance



Outstanding flame resistance

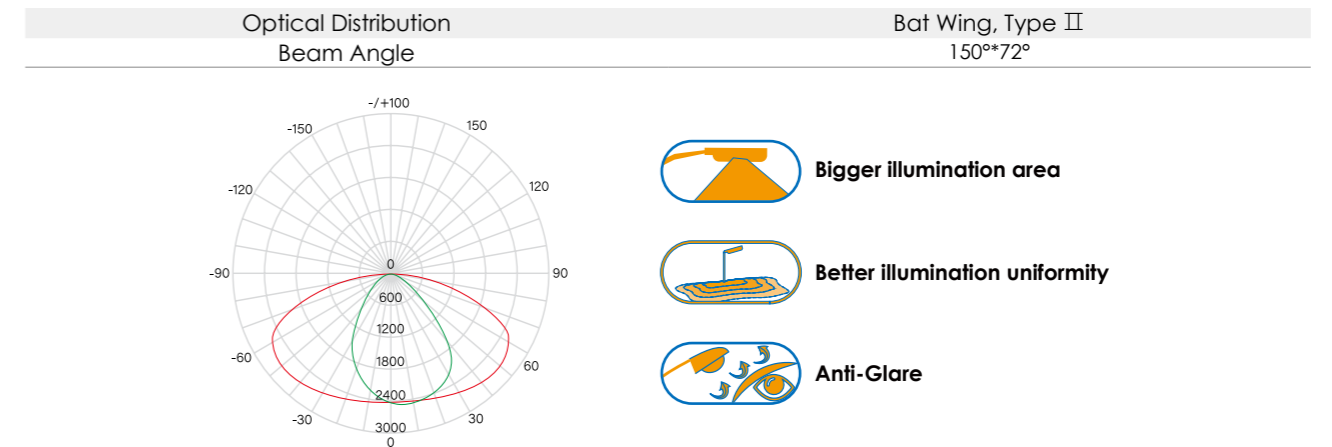


-100°C to 129°C Temperature range

The lens uses Japanese Teijin brand high quality Polycarbonate material, which vastly improves the lighting effect and can endure severe application environment.



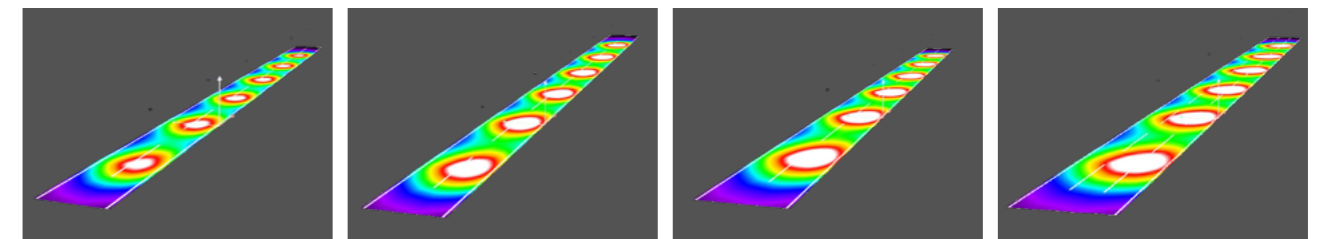
Type II Patented lighting distribution



Specially designed light distribution and bigger beam angle enlarge illumination area and improve lighting uniformity, suitable for rural roads, streets, highways, and residential area.

Perfect Lux Readings

Falcon series have perfect Lux readings based on DIALUX simulation.



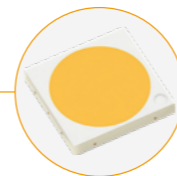
Lamp Power	Height	Road width	Spacing Distance	Average Lux	Max.Lux
20W	5m	6m	18m	21	38
30W	6m	7m	20m	22	39
40W	7m	8m	25m	21	38
60W	8m	9m	30m	21	36

Product Details

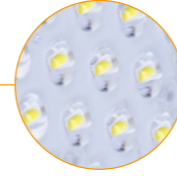
Water & Dust Leak Hole
water and dust can easily go away, which improves the IP grade and heat dissipation performance



28pcs Extreme Bright 5050 LED Chips
top international brands



High transmittance & strength LED lens
made of Japanese TEIJIN high quality PC



Motion Sensor(optional)
dimming mode during periods of inactivity, brightening mode when presence is detected



Thick Heat Sink
perfect heat dissipation performance



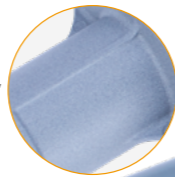
Smart Controller
smart lighting management optimizes lighting output and extends battery lifespan



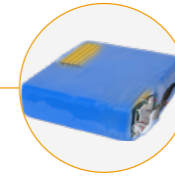
IP66 Die-casting Aluminum Fixture
sealed by waterproof ring



Enhanced Lamp Holder



LiFePO4 Lithium Battery
more than 5000 deep cycles, more than 10 years lifespan perfect high temperature & safety performance



Plug & Play Design



Battery Clap
fix the battery tightly and protect it from being broken during transportation



Applications

Pathways, Rural Roads, Parks, Main Streets, Parking lot, Perimeters, Resorts. Etc.



All-in-two Solar Street Light

All-in-two Solar Street Light









JAGUAR Series

INL-AIT5

JAGUAR series, designed for pathway and main street, is All-In-Two Solar Street Light with medium-Big LED output and unique "Jumping Jaguar" appearance.

It is an integration of first-class lighting source, durable LiFePO4 lithium battery and smart control system. The motion sensor and smart wireless system are optional.

Key Features

-  Separate design ensures optimal angle of solar panel, thus the highest charging efficiency.
-  Lighting source, lithium battery and controller are integrated as one unit.
-  Service life of LiFePO4 lithium battery is up to 10 years, which is over 5000 deep cycles.
-  Extremely bright 5050 LED chips are adopted, which ensures over 170lm/watt.
-  The intelligent integrated design simplifies installation remarkably by saving cable connections.
-  Smart Wireless Control System is optional.
-  Smart motion sensor is optional.
-  Plug & Play

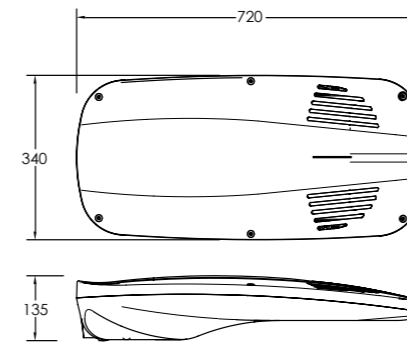
Product Photos



Parameters

Lamp Power	30W-150W
Luminous Efficiency	> 180lm/W
LiFePO4 Lithium Battery Capacity	Up to 1280WH
Mounting Height	6-12 Meters
System Life Span	> 7 years
PIR Motion Sensor	√
Remote Control	√

Dimensions



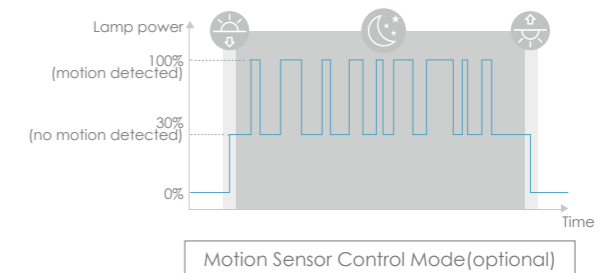
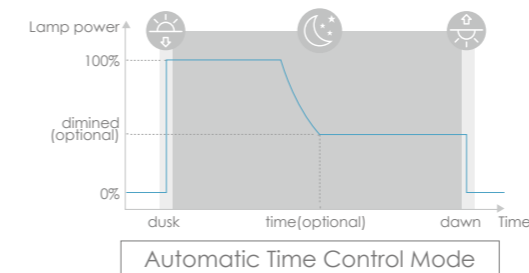
Product	720*340*135mm
Package	770*360*200mm



Smart Lighting Mode

Jaguar Series offers various lighting working modes with different programs available.

Working Time	up to 14 hours per night
Autonomy Days Backup	up to 7 days depending on lighting mode



Work at All Climates

With LiFePO4 battery's high temperature resistance, controller's temperature-compensated function and BMS' temperature protection system, JAGUAR series is able to operate well under extreme climate conditions.



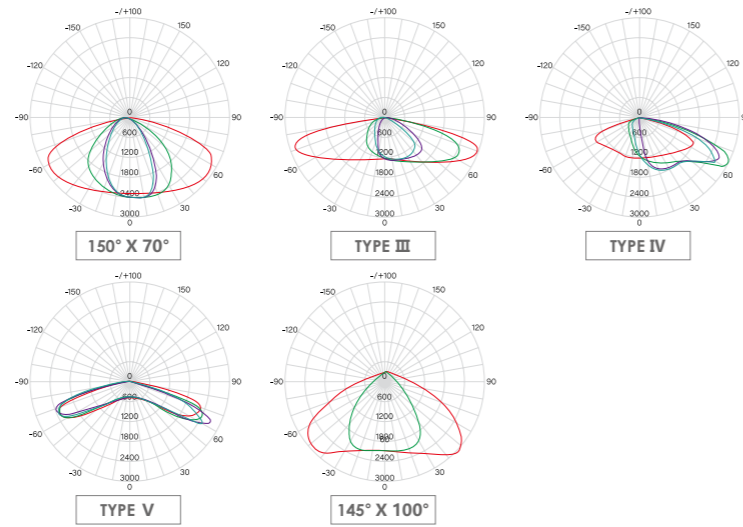
First-class Lighting Solutions

Due to module design, excellent lighting solutions for different applications are available.

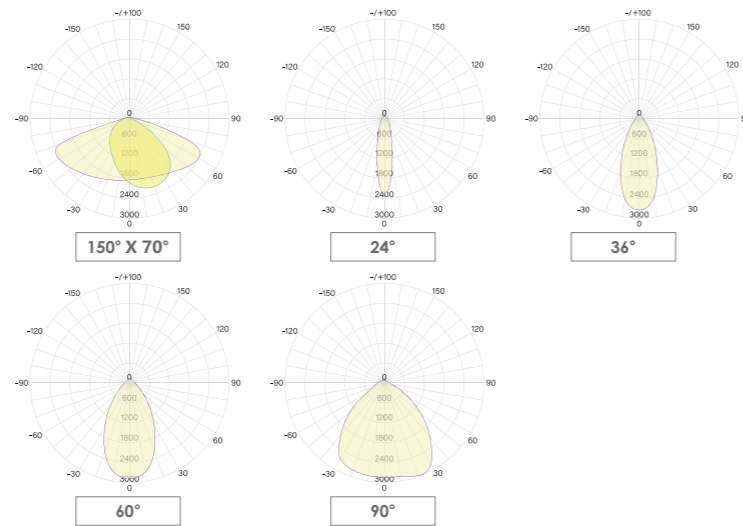
LED Module Options for Various Applications



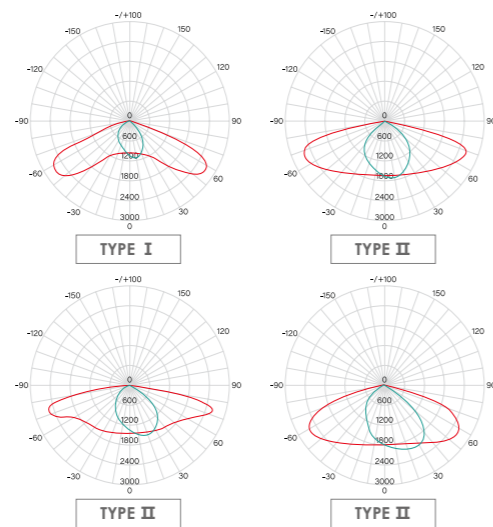
INL-M1 Series



INL-M2 Series



INL-M3 Series



IP67 Super Bright LED Module



42pcs Top brand 5050 LED chips
Up to 220lm/W LED Chip luminous efficiency
>180lm/W Finished lamp luminous efficiency
>100,000 hours life time



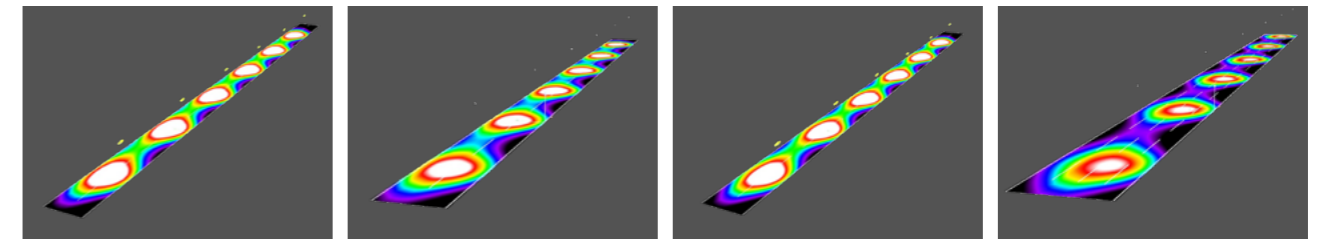
High Quality Lens



Thick Aluminum Heat Sink
Superior Polycarbonate material
High Impact Strength
High Light Transmittance
Outstanding flame resistance
-100°C to 129°C Temperature range

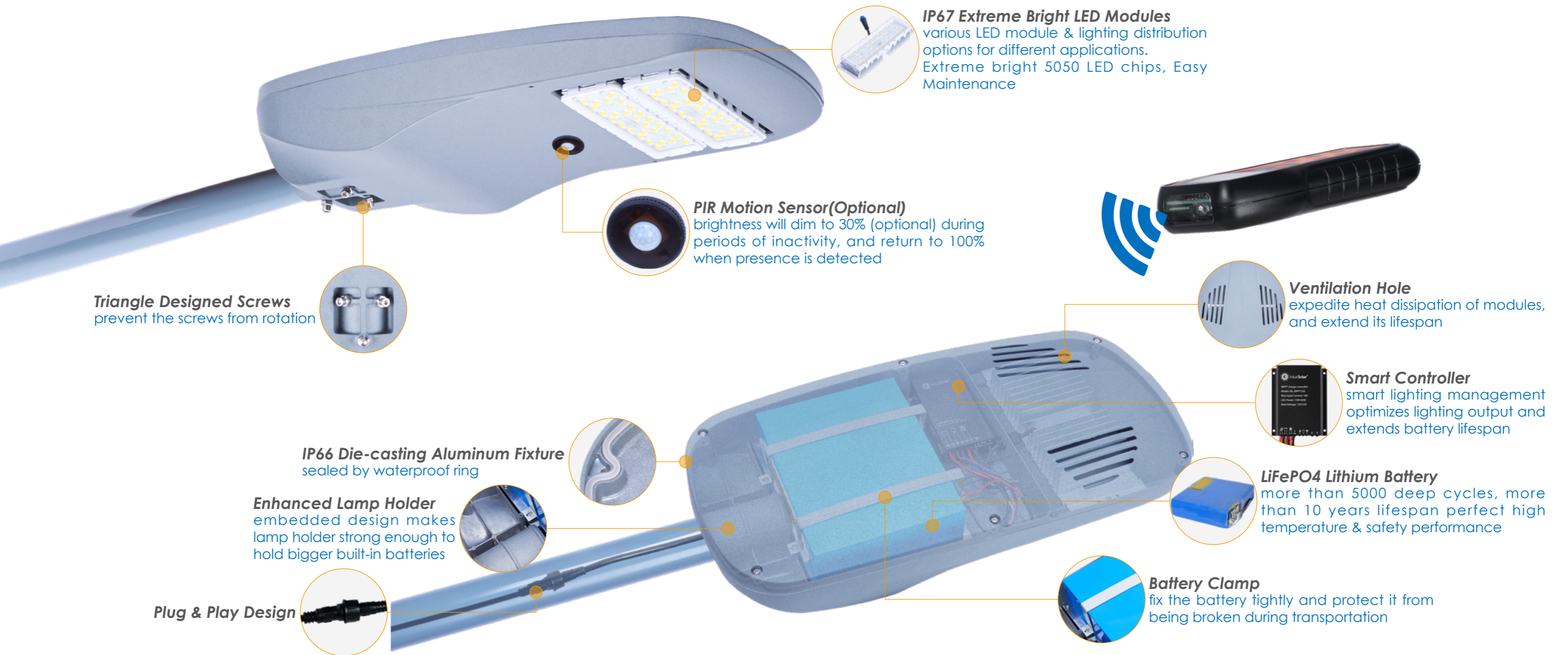
Perfect Lux Readings

Jaguar series have perfect Lux readings based on DIALUX simulation.



Lamp Power	Height	Road width	Spacing Distance	Average Lux	Max.Lux
30W	6m	7m	20m	26	52
40W	7m	8m	25m	25	48
50W	8m	9m	30m	24	47
70W	9m	10m	35m	24	45
80W	10m	12m	40m	22	41
100W	12m	14m	50m	21	40

Product Details



Applications

Rural Roads, Main Streets, Highways, Parking Lot, Resorts. Etc.



All-in-two Solar Street Light

All-in-two Solar Street Light

APOLLO Series

INL-AIS










APOLLO series, designed for main streets and highways, is All-In-Three Solar Street Light with biggest LED output.

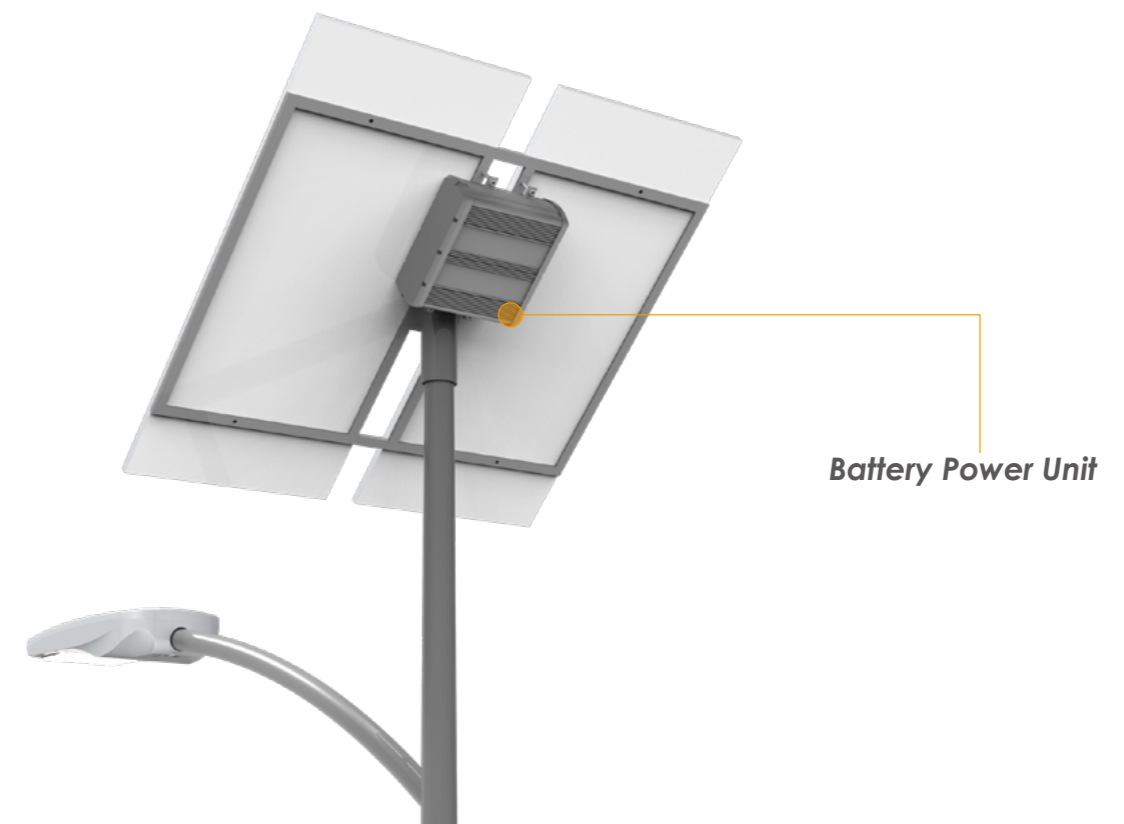
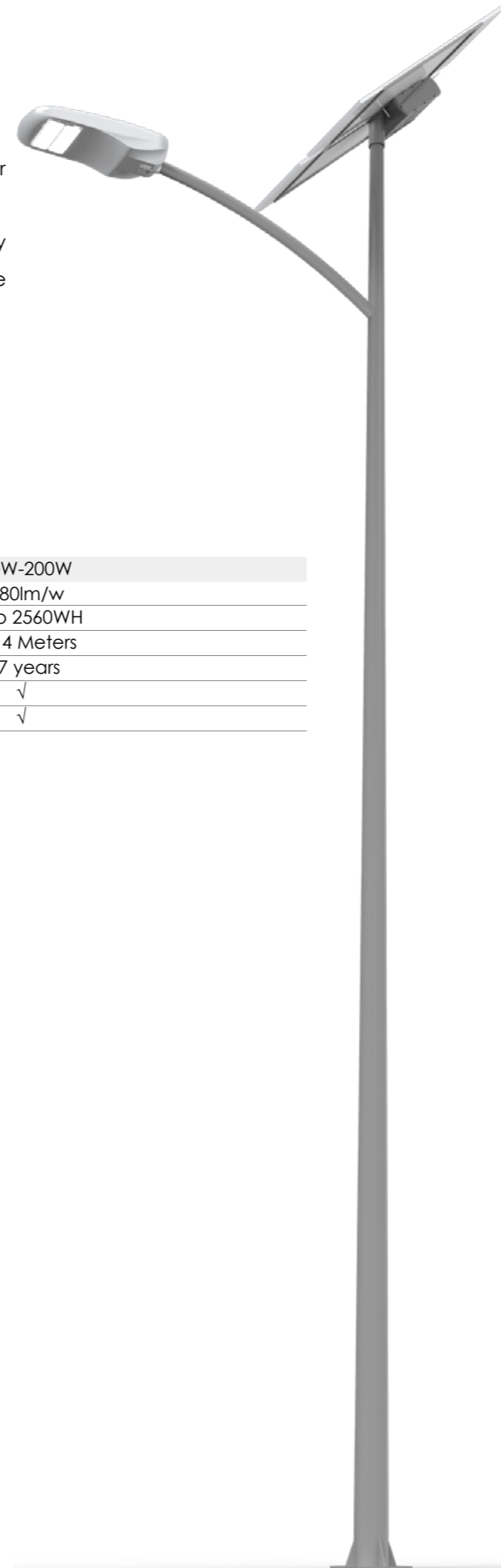
It is an integration of first-class lighting source, durable LiFePO4 lithium battery and smart control system. The motion sensor and smart wireless system are optional.

Parameters

Lamp Power	100W-200W
Luminous Efficiency	>180lm/w
LiFePO4 Lithium Battery Capacity	Up to 2560WH
Mounting Height	10-14 Meters
System Life Span	> 7 years
Motion Sensor	√
Remote Control	√

Key Features

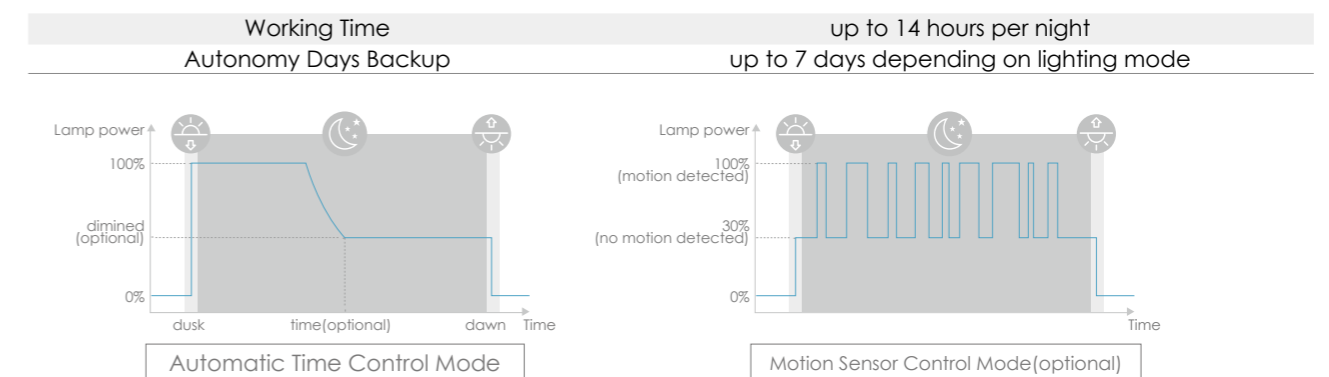
-  Separate design ensures optimal angle of solar panel and bigger lithium battery capacity, thus the biggest LED output.
-  More lamp fixture options
-  lithium battery and controller are integrated as one unit.
-  Service life of LiFePO4 lithium battery is up to 10 years, which is over 5000 deep cycles.
-  Extremely bright 5050 LED chips are adopted, which ensures over 170lm/watt.
-  The intelligent integrated design simplifies installation remarkably by saving cable connections.
-  Smart Wireless Control System is optional.
-  Smart motion sensor is optional.
-  Plug & Play



Battery Power Unit

Smart Lighting Mode

Apollo Series offers various lighting working modes with different programs available.



Work at All Climates

With LiFePO4 battery's high temperature resistance, controller's temperature-compensated function and BMS' temperature protection system, APOLLO series is able to operate well under extreme climate conditions.



First-class Lighting Solutions

Due to module design, excellent lighting solutions for different applications are available.



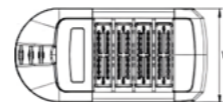
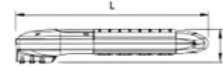
INL-LED-05



Product Parameter :

- Color Temperature : 3000-6500K
- Efficiency : 110 ~190Lm/W
- Power Factor : >0.95
- Power Efficiency : >90%
- Working Environment : -30°C - 50°C
- IP Rating : IP65
- Installation diameter : Φ60mm

Extelmal Dimension



SIZE	L	W	H	Power
A	610	360	140	2X
B	695	360	140	3X
C	780	360	140	4X
D	865	360	140	5X
E	950	360	140	6X



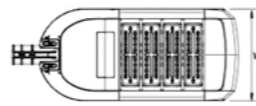
INL-LED-07



Product Parameter :

- Color Temperature : 3000-6500K
- Efficiency : 110 ~190Lm/W
- Power Factor : >0.95
- Power Efficiency : >90%
- Working Environment : -30°C - 50°C
- IP Rating : IP65
- Installation diameter : Φ60mm

Extelmal Dimension



SIZE	L	W	H	Power
A	610	360	140	2X
B	695	360	140	3X
C	780	360	140	4X
D	865	360	140	5X
E	950	360	140	6X



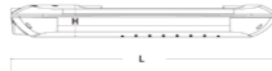
INL-LED-08



Product Parameter :

- Color Temperature : 3000-6500K
- Efficiency : 110 ~190Lm/W
- Power Factor : >0.95
- Power Efficiency : >90%
- Working Environment : -30°C - 50°C
- IP Rating : IP65
- Installation diameter : Φ60mm

Extelmal Dimension



SIZE	L	W	H	Power
A	780	350	110	4X
B	602	350	110	2X
C	780	350	110	5X
D	602	350	110	3X



INL-LED-09



Product Parameter :

- Color Temperature : 3000-6500K
- Efficiency : 110 ~190Lm/W
- Power Factor : >0.95
- Power Efficiency : >90%
- Working Environment : -30°C - 50°C
- IP Rating : IP65
- Installation diameter : Φ60mm

Extelmal Dimension



SIZE	L	W	H	Power
A	900	365	174	5X
B	780	336	151	4X



LED Module Options for Various Applications



INL-M1 Series



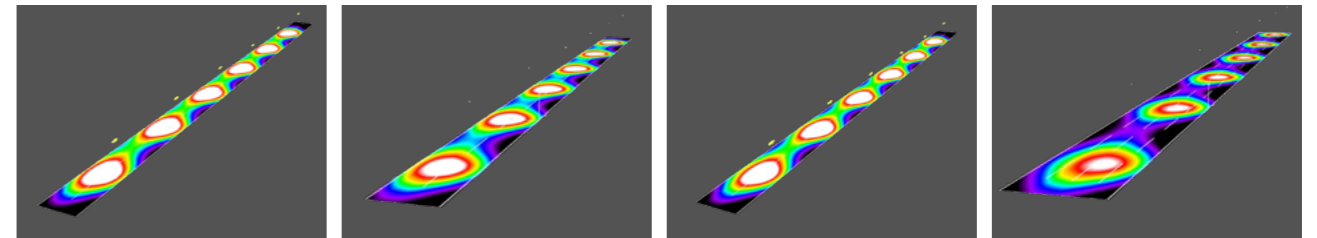
INL-M2 Series



INL-M3 Series

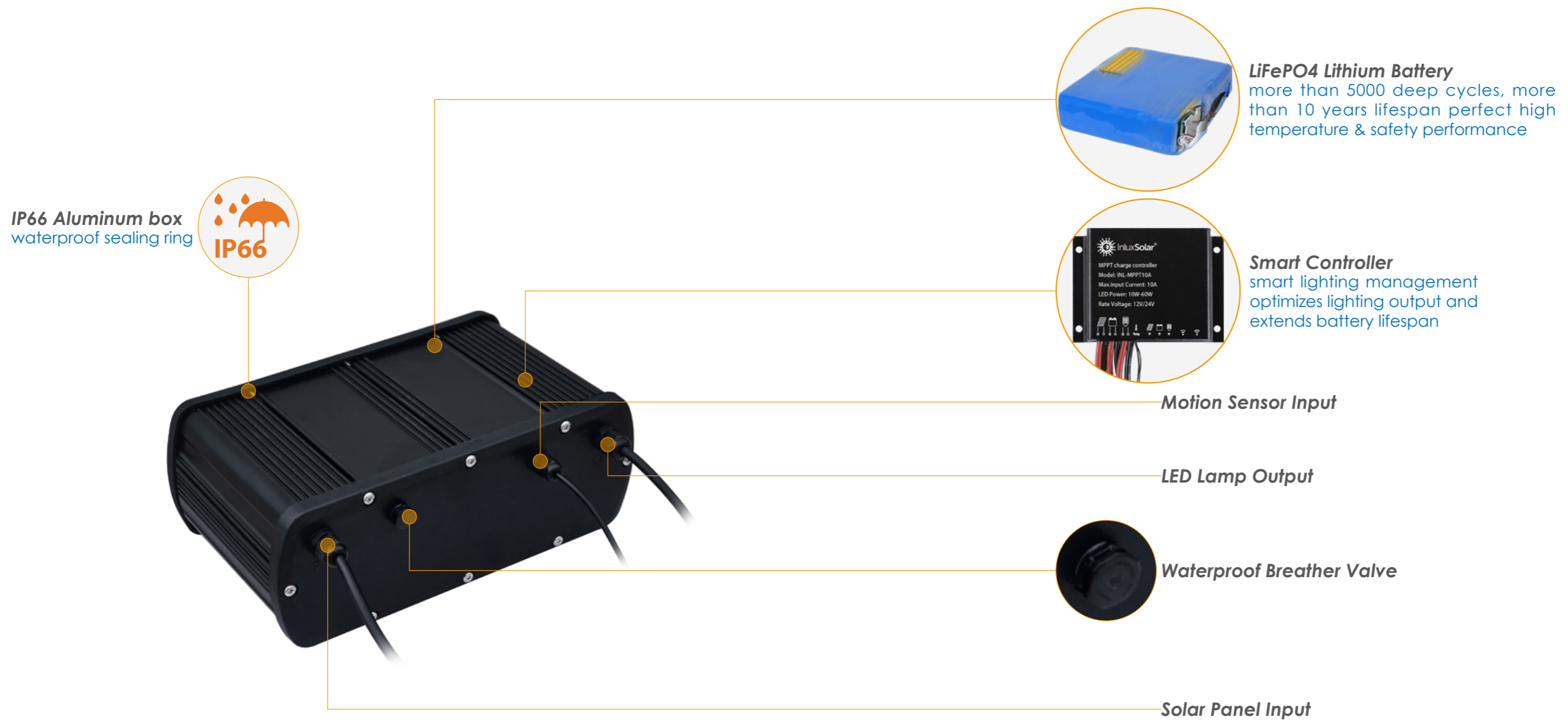
Perfect Lux Readings

Jaguar series have perfect Lux readings based on DIALUX simulation.



Lamp Power	Height	Road width	Spacing Distance	Average Lux	Max.Lux
30W	6m	7m	20m	26	52
40W	7m	8m	25m	25	48
50W	8m	9m	30m	24	47
70W	9m	10m	35m	24	45
80W	10m	12m	40m	22	41
100W	12m	14m	50m	21	40

Battery Power Unit



Applications

Rural Roads, Main Streets, Highways, Parking Lot, Resorts. Etc.



All-in-Three Solar Street Light

All-in-Three Solar Street Light



All-In-One Solar Street Light

Of all the solar street light models, All-In-One series is the most compact one, which simplifies installation remarkably by eliminating troubles of cable connection. ALIEN series is the first seen by the industry that enables solar panel & lighting source to be fixed in optimum directions respectively to obtain highest efficiency.

Galaxy Series

INL-AIO6

GALAXY Series covers all application scenarios. All components use modular design which is convenient to maintain and replace.

GALAXY PARAMETERS

Lamp Lumen & Power	3625lm (30W)	4350lm (40W)	7400lm (60W)	8900lm (80W)	10500lm (100W)	12040lm (120W)
Solar Panel Capacity	40W	50W	70W	90W	100W	120W
LiFePO4 Lithium Battery Capacity	230WH	256WH	384WH	512WH	640WH	768WH
Product Dimension	630*310*106mm					
Mounting Height	3-6 Meters	4-7 Meters	5-8 Meters	6-9 Meters	7-10 Meters	8-12 Meters
System Life Span	> 7 years					
Motion Sensor	√					
Remote Control	√					







Above parameters can be customized according to customers' request.



All-in-two Solar Street Light

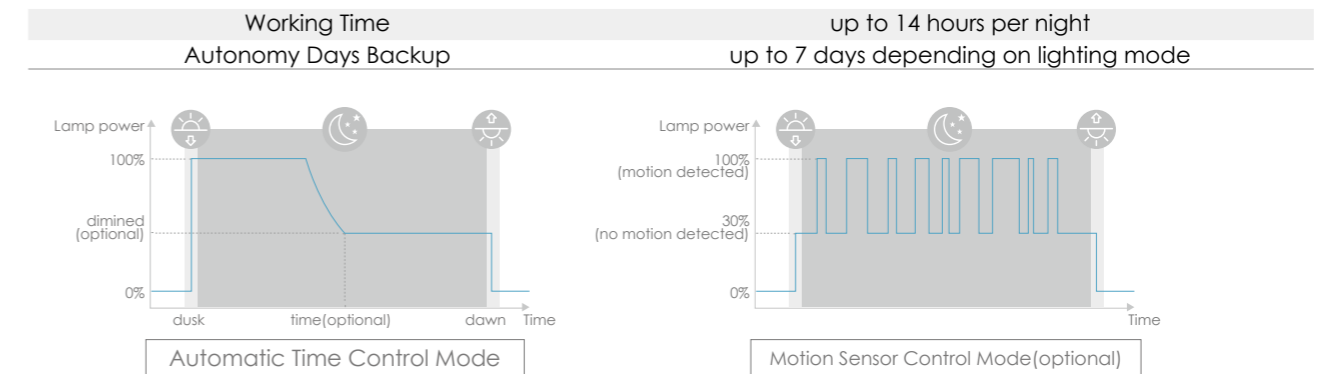


Key Features

-  The module design concept ensures more easier maintenance, as each component is detachable.
-  Service life of LiFePO4 lithium battery is up to 10 years, which is over 5000 deep cycles.
-  Extremely bright 5050 LED chips are adopted, which ensure over 170lm/w.
-  The intelligent integrated design simplifies installation remarkably by saving cable connections
-  Smart wireless control system is optional.
-  Smart motion sensor is optional.

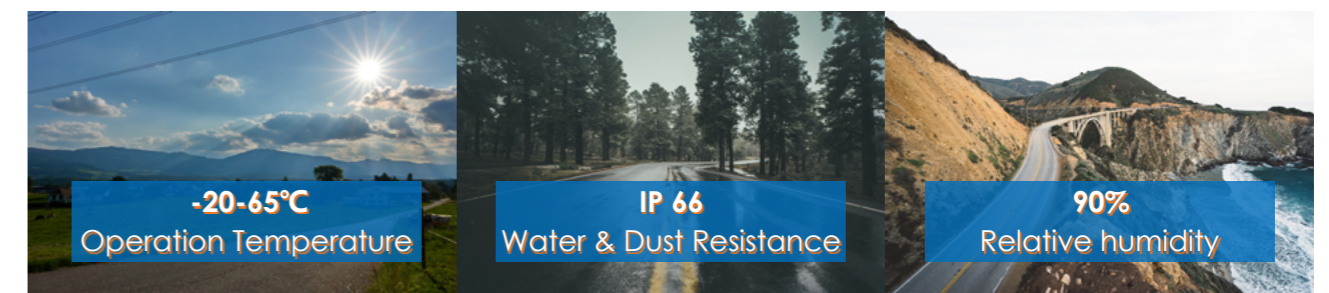
Smart Lighting Mode

Various operating modes with different programs are available.



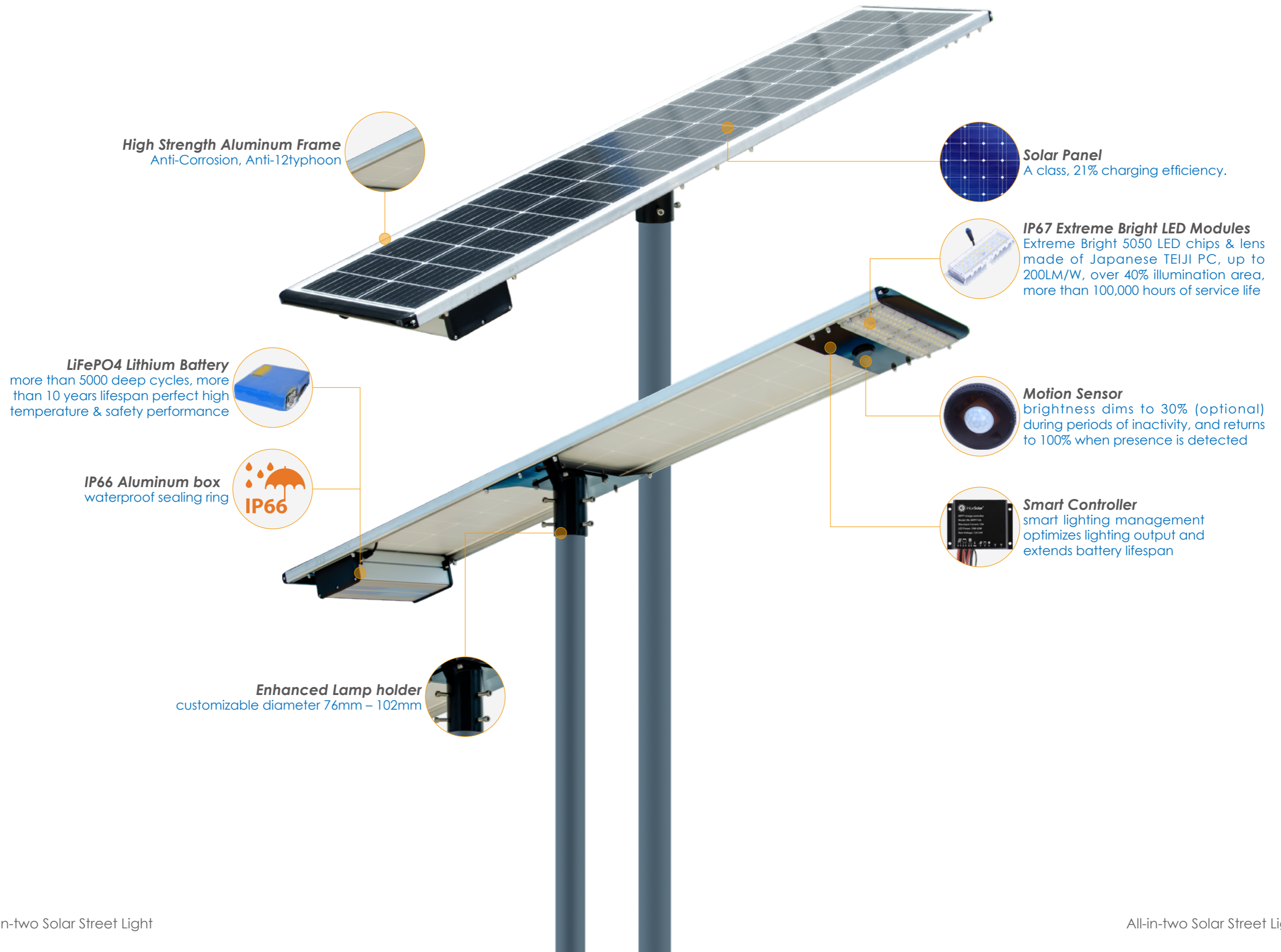
Work at All Climates

With LiFePO4 battery's high-temperature resistance, controller's temperature compensated function and BMS' temperature protection system, ALIEN series is able to operate under extreme climate conditions.



All-in-two Solar Street Light

Product Details



High Strength Aluminum Frame
Anti-Corrosion, Anti-12typhoon

Solar Panel
A class, 21% charging efficiency.

IP67 Extreme Bright LED Modules
Extreme Bright 5050 LED chips & lens made of Japanese TEIJI PC, up to 200LM/W, over 40% illumination area, more than 100,000 hours of service life

Motion Sensor
brightness dims to 30% (optional) during periods of inactivity, and returns to 100% when presence is detected

Smart Controller
smart lighting management optimizes lighting output and extends battery lifespan

LiFePO4 Lithium Battery
more than 5000 deep cycles, more than 10 years lifespan perfect high temperature & safety performance

IP66 Aluminum box
waterproof sealing ring



Enhanced Lamp holder
customizable diameter 76mm – 102mm

Alien Series

INL-AIO5

The design of ALIEN series ensures coverage of all application needs, and enables the system to obtain the highest efficiency by adjusting solar panel & lighting source directions. Besides, INL-AIO5-D is the first double-lamp all in one solar street light that has been seen by the world.



ALIEN-S
Single Lamp

ALIEN-D
Double Lamps

ALIEN-S PARAMETERS

Lamp Lumen & Power	3625lm (30W)	4350lm (40W)	7400lm (60W)	8900lm (80W)	10500lm (100W)	12040lm (120W)
Solar Panel Capacity	40W	50W	70W	90W	100W	120W
LiFePO4 Lithium Battery Capacity	230WH	256WH	384WH	512WH	640WH	768WH
Product Dimension	630*310*106mm					
Mounting Height	3-6 Meters	4-7 Meters	5-8 Meters	6-9 Meters	7-10 Meters	8-12 Meters
System Life Span	> 7 years					
PIR Motion Sensor	√					
Remote Control	√					

ALIEN-D PARAMETERS

Lamp Lumen & Power	2*3625lm (2*30W)	2*4350lm (2*40W)	2*7400lm (2*60W)
Solar Panel Capacity	2*40W	2* 50W	2* 70W
LiFePO4 Lithium Battery Capacity	2*230WH	2*256WH	2* 384WH
Product Dimension	630*310*106mm		
Mounting Height	3-6 Meters	4-7 Meters	5-8 Meters
System Life Span	> 7 years		
PIR Motion Sensor	√		
Remote Control	√		

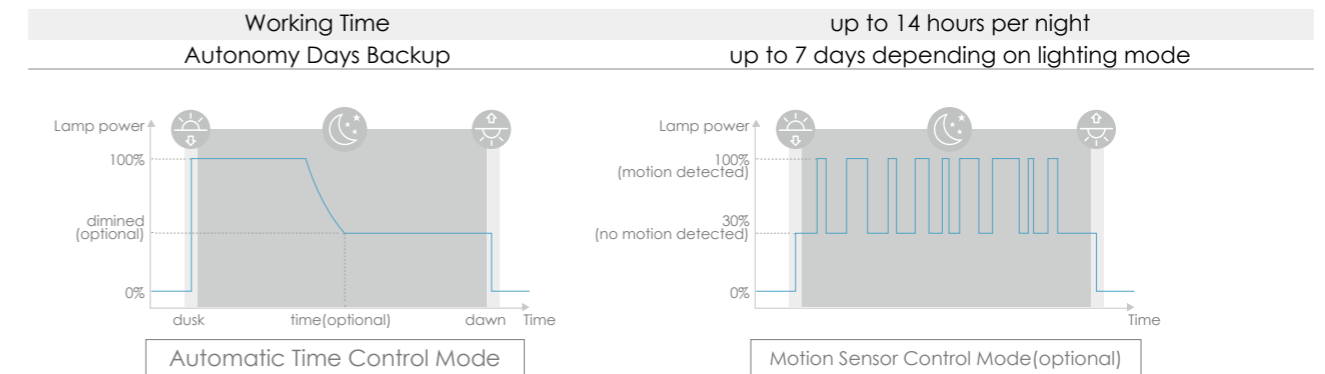
Above parameters can be customized according to customers' request.

Key Features

- Separate design ensures optimal angle of solar panel, thus the highest charging efficiency.
- Service life of LiFePO4 lithium battery is up to 10 years, which is over 5000 deep cycles.
- Extremely bright 5050 LED chips are adopted, which ensure over 170lm/w.
- The intelligent integrated design simplifies installation remarkably by saving cable connections
- Smart wireless control system is optional.
- Smart motion sensor is optional.

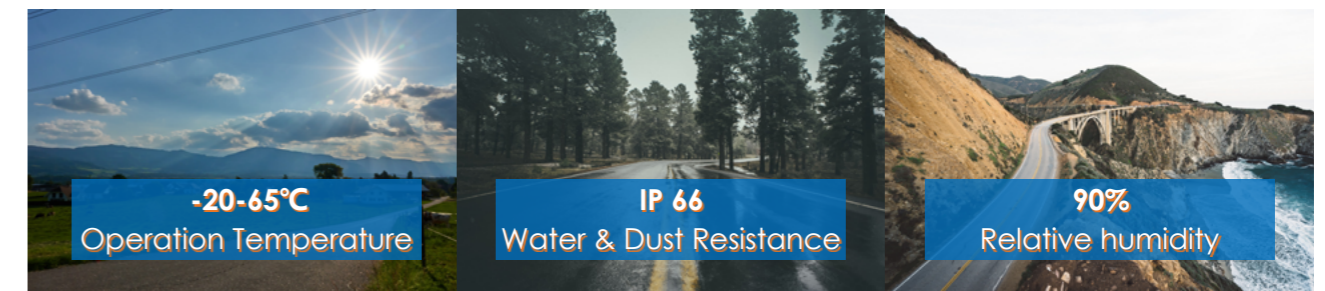
Smart Lighting Mode

Various operating modes with different programs are available.

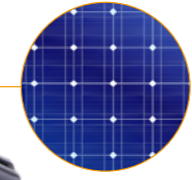
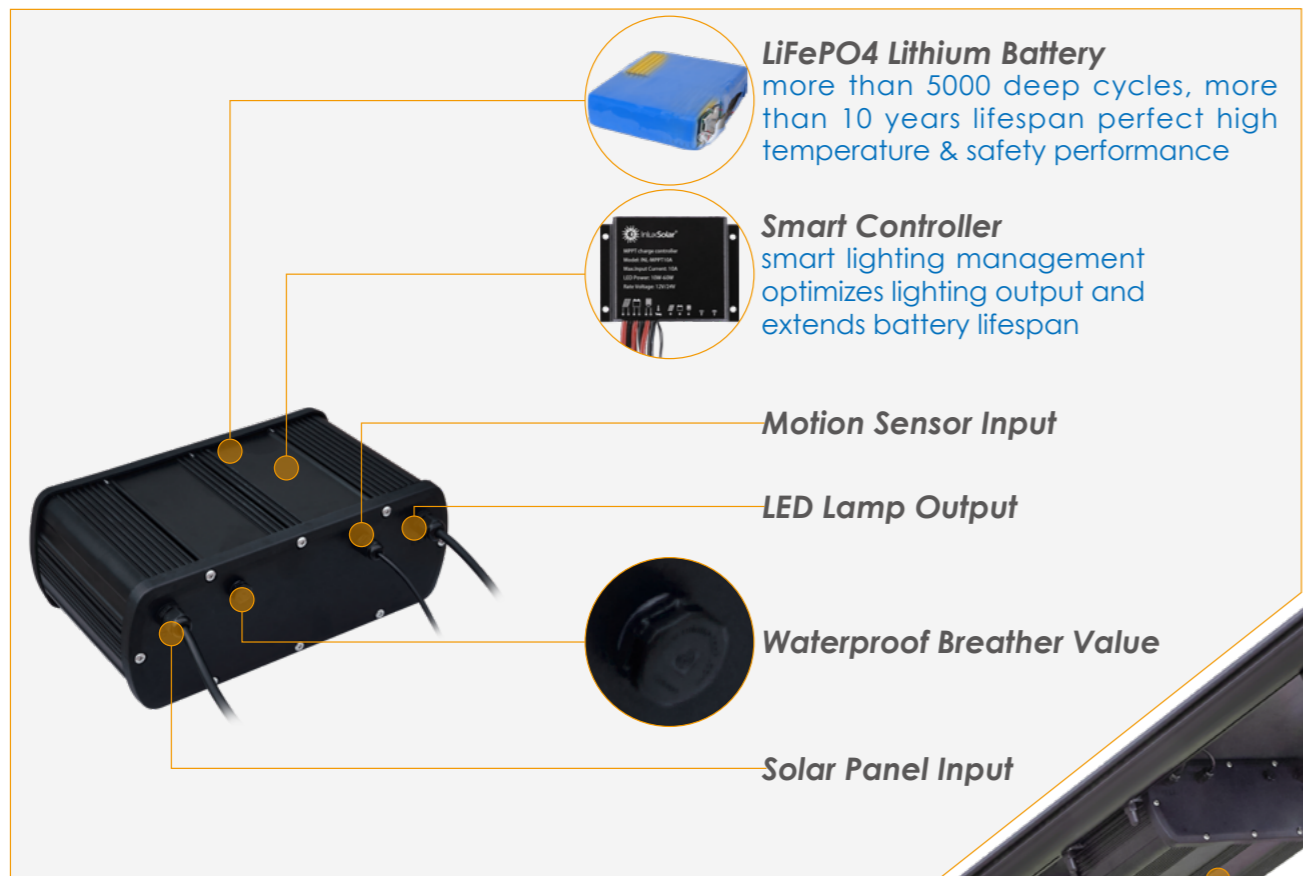


Work at All Climates

With LiFePO4 battery's high-temperature resistance, controller's temperature compensated function and BMS' temperature protection system, ALIEN series is able to operate under extreme climate conditions.



Product Details

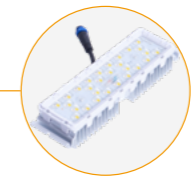


Solar Panel
one-sided Mono Solar Panel/
Double-sided Solar panel, A class,
21% charging efficiency.



PIR Motion Sensor
brightness dims to 30% (optional)
during periods of inactivity, and returns
to 100% when presence is detected

IP66 Aluminum box
waterproof sealing ring
IP66



IP67 Extreme Bright LED Modules
philips 5050 LED chips & lens made of
Japanese TEIJI PC, up to 200LM/W,
over 40% illumination area, more than
100,000 hours of service life

High Strength Aluminum Frame
Anti-Corrosion, Anti-12typhoon



Enhanced Lamp holder
customizable diameter 76mm – 102mm

No more a replica

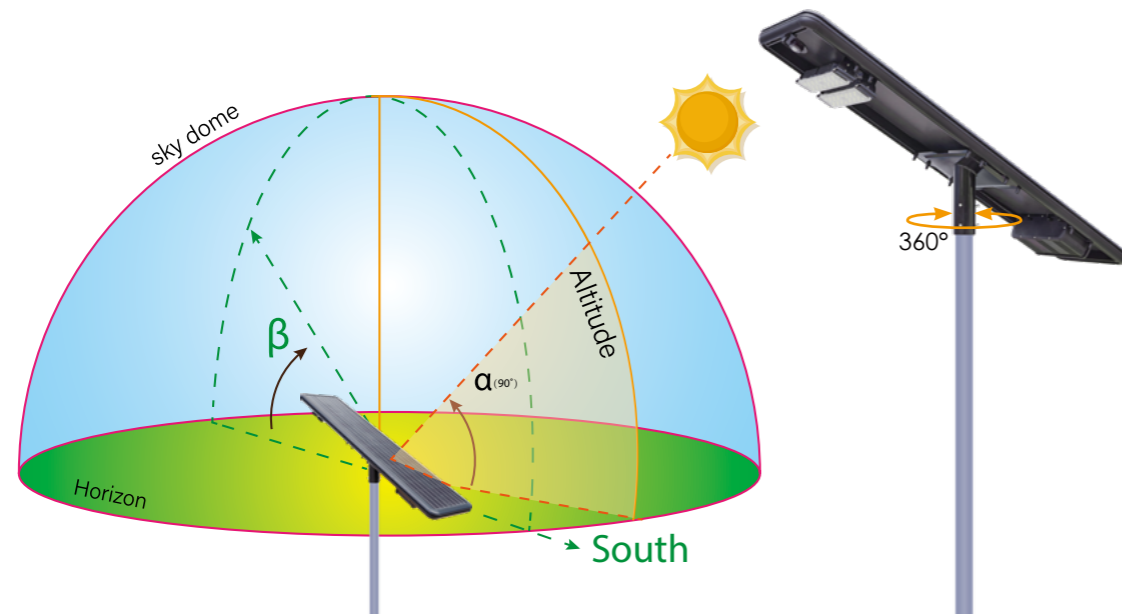
Compared with traditional design, it's not difficult to find that ALIEN series has redefined all in one solar street light with multiple brand new functions.

Adjustable lighting source and solar panel

0-180° horizontally and -45°~+45° vertically adjustable lighting source together with 360° horizontally adjustable solar panel ensure optimal angle between solar panel and sunrays, thus the highest charging efficiency and best illumination effects.

Notes: how to achieve optimal angle between solar panel and lighting source.

A: Set solar panel to south (in south hemisphere, it should face north)



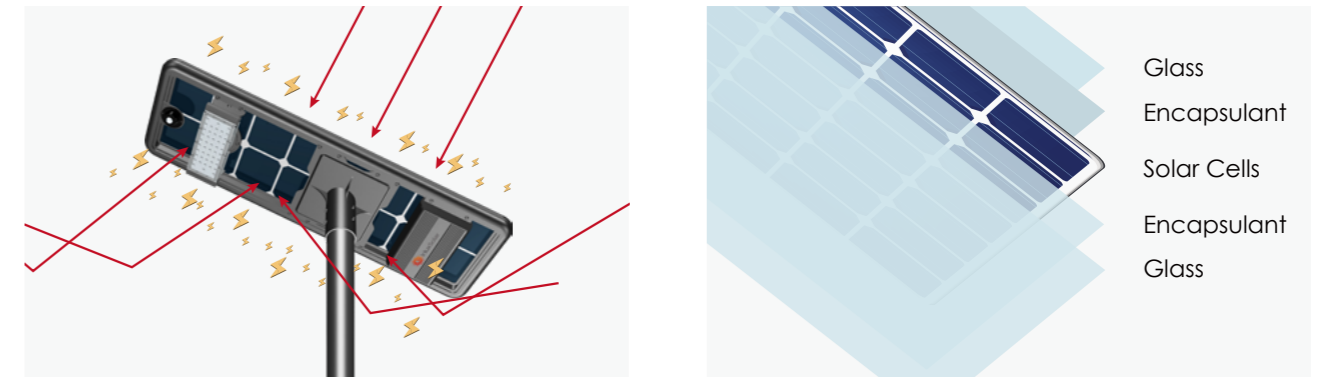
B: Adjust lighting source horizontally and vertically according to direction of roads.



All-in-two Solar Street Light

Optional double-sided solar panel

Double-sided solar panel, whose charging efficiency is up to 15% higher than conventional ones, is optional to ALIEN series.



Innovative dual lighting design

ALIEN-D series adopts innovative design of dual lighting source, which is especially suitable for two-way street.



Notes: Multi-light solutions for area lighting

Modular design makes additional lighting source and different illuminating directions available, which is especially suitable for large areas with multiple targets to be illuminated.



All-in-two Solar Street Light

Breathing' lithium battery

In high-temperature regions, heat generated by working lithium battery and solar radiation makes interior temperature much higher than that of the ambient. Continuous working in excessive high temperature takes a huge toll on the service life of lithium and internal electronic parts. We have solved this issue by fixing a one-way vent valve on lithium battery housing, by which accelerates internal heat dissipation as well as prevents rains and dusts from entering.



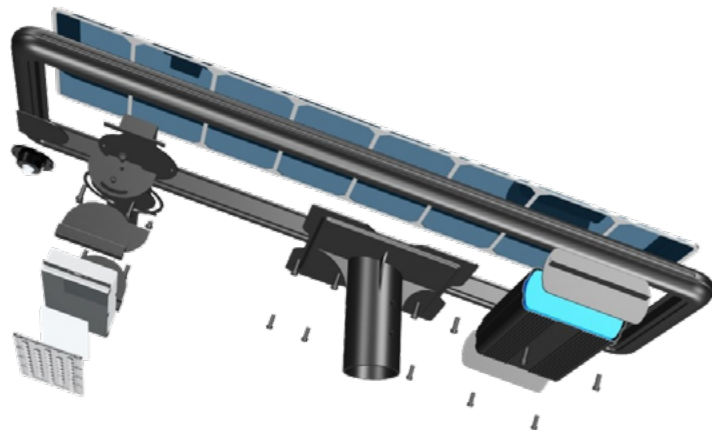
Ventilate



IP65 Waterproof

Individualized customization and easy maintenance

The brand-new module design adopted by ALIEN series ensures convenient maintenance, as each component is designed to be detachable. Besides, adjustable mounting chute satisfies clients with different requirements on lighting source mounting position.



Applications

Pathways, Rural Roads, Parks, Main Streets, Highways, Parking lot, Perimeters, Resorts. Etc.



No Back Plate Design

Better heat dissipation performance

With back plate, heat accumulated under conventional solar panel is hard to dissipate, which will lead to high operation ambient temperature, thus significantly reduce the service life of electronic components.

Insects and dusts prevention

In desert or tropic areas, dusts and insects will find the thermal dissipation hole a very easy access into the lamp housing, whose accumulation will then impede the heat dissipation of whole system.



Heat dissipation



Other Suppliers' models
Thermal dissipation hole

Insects and dusts prevention

More than solar light

ALIEN series is also an integrated solar power platform, to which appliances like CCTV camera and WiFi system can be attached.



All-in-two Solar Street Light

All-in-two Solar Street Light

Polaris Series

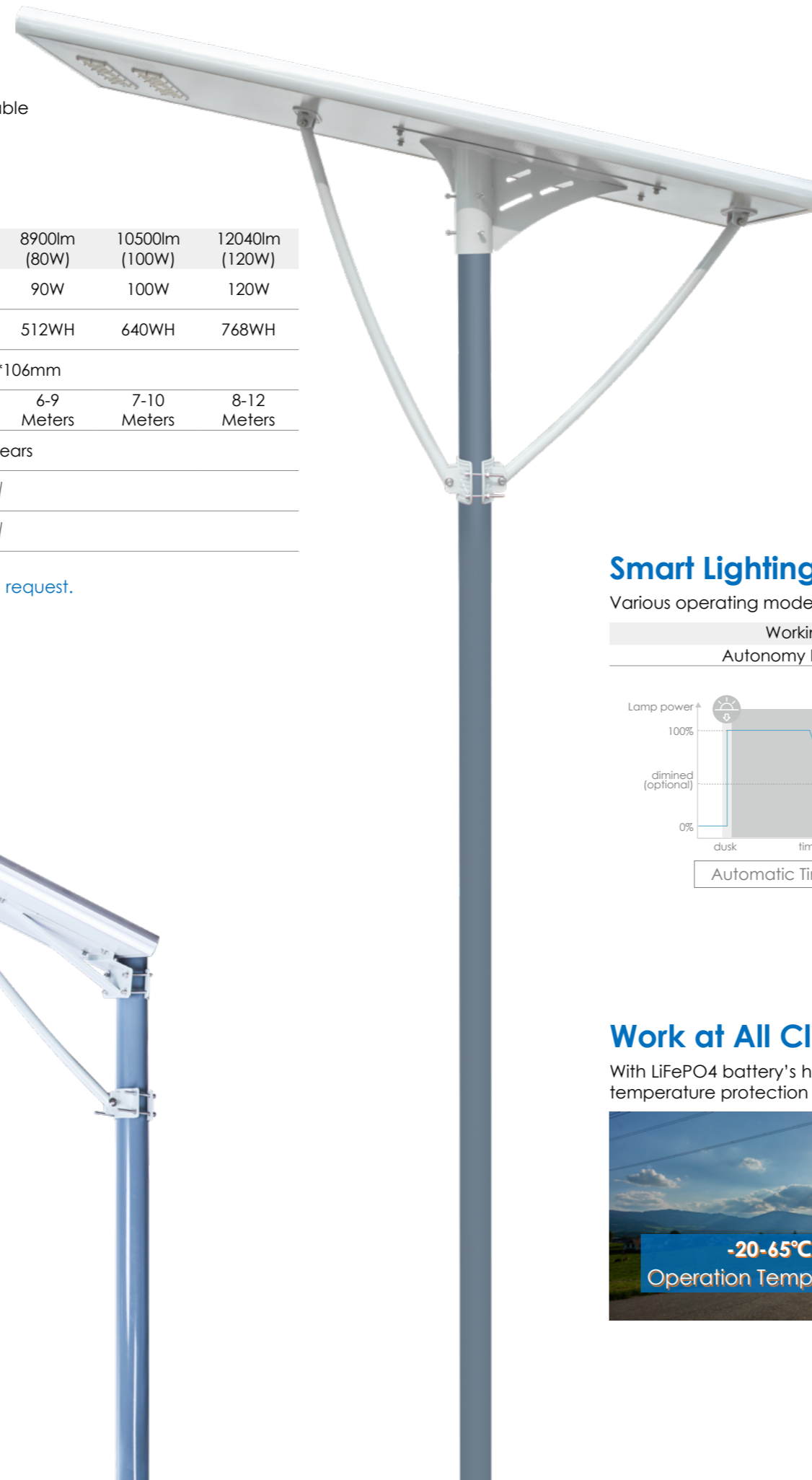
INL-AIO2

POLARIS Series is an All-In-One solar street light which is applicable to all scenarios.






POLARIS PARAMETERS

Lamp Lumen & Power	3625lm (30W)	4350lm (40W)	7400lm (60W)	8900lm (80W)	10500lm (100W)	12040lm (120W)
Solar Panel Capacity	40W	50W	70W	90W	100W	120W
LiFePO4 Lithium Battery Capacity	230WH	256WH	384WH	512WH	640WH	768WH
Product Dimension	630*310*106mm					
Mounting Height	3-6 Meters	4-7 Meters	5-8 Meters	6-9 Meters	7-10 Meters	8-12 Meters
System Life Span	> 7 years					
PIR Motion Sensor	√					
Remote Control	√					

Above parameters can be customized according to customers' request.

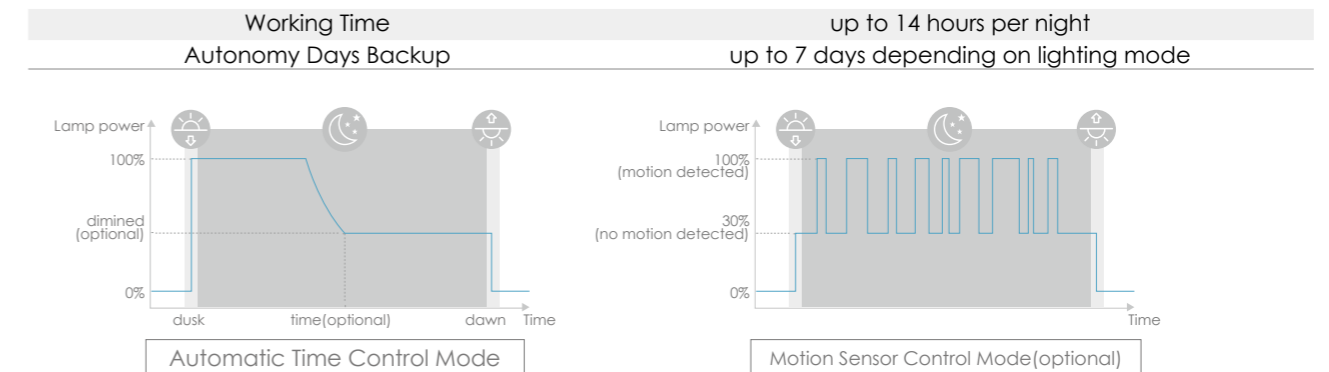


Key Features

-  Service life of LiFePO4 lithium battery is up to 10 years, which is over 5000 deep cycles.
-  Extremely bright 5050 LED chips are adopted, which ensure over 170lm/w.
-  The intelligent integrated design simplifies installation remarkably by saving cable connections
-  Smart wireless control system is optional.
-  Smart motion sensor is optional.

Smart Lighting Mode

Various operating modes with different programs are available.

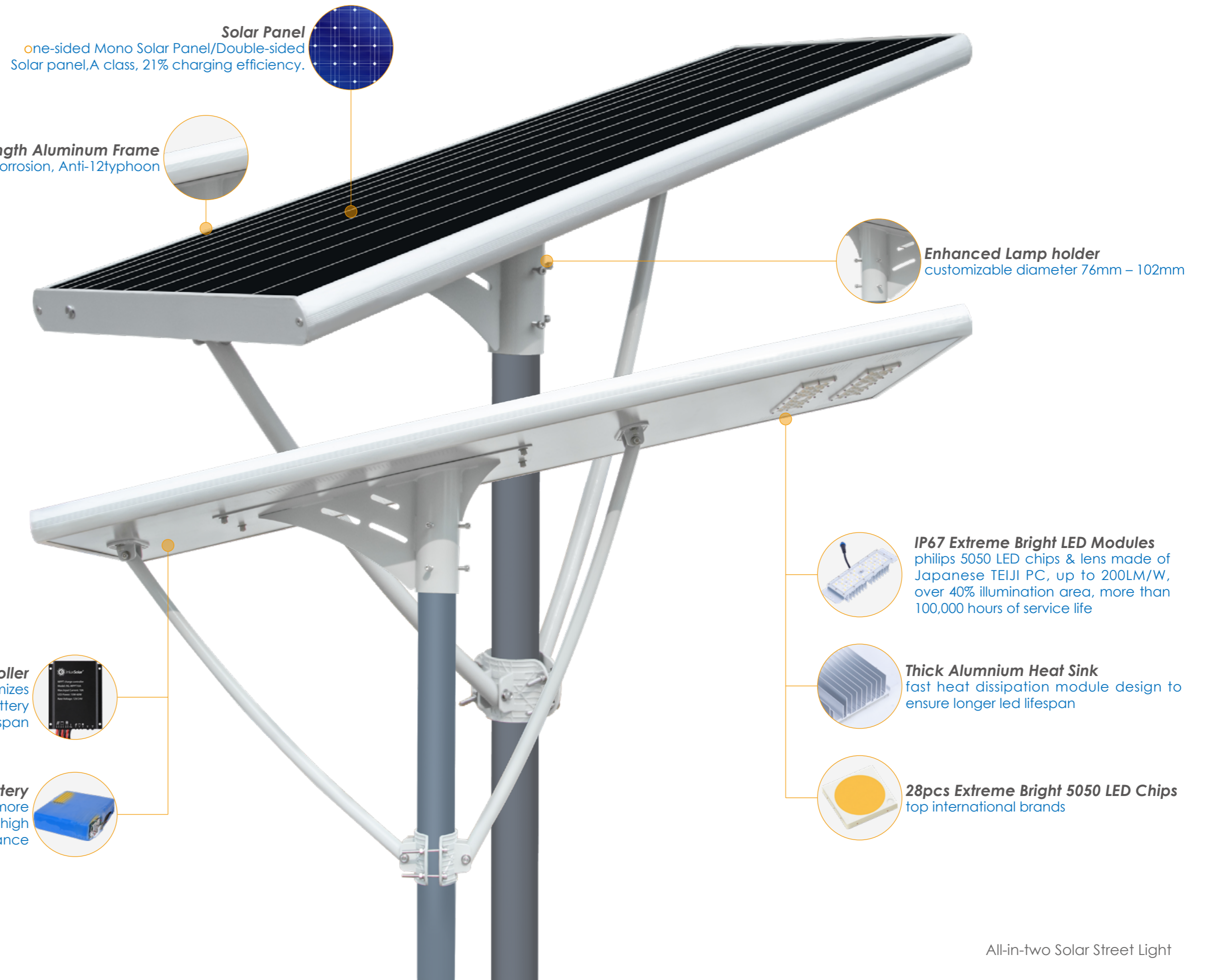


Work at All Climates

With LiFePO4 battery's high-temperature resistance, controller's temperature compensated function and BMS' temperature protection system, ALIEN series is able to operate under extreme climate conditions.



Product Details



Solar Panel
one-sided Mono Solar Panel/Double-sided Solar panel,A class, 21% charging efficiency.

High Strength Aluminum Frame
Anti-Corrosion, Anti-12typhoon

Enhanced Lamp holder
customizable diameter 76mm – 102mm

IP67 Extreme Bright LED Modules
philips 5050 LED chips & lens made of Japanese TEIJI PC, up to 200LM/W, over 40% illumination area, more than 100,000 hours of service life

Thick Aluminium Heat Sink
fast heat dissipation module design to ensure longer led lifespan

28pcs Extreme Bright 5050 LED Chips
top international brands

Smart Controller
smart lighting management optimizes lighting output and extends battery lifespan

LiFePO4 Lithium Battery
more than 5000 deep cycles, more than 10 years lifespan perfect high temperature & safety performance



Solar Pole Light

ARMOUR Series

Solar pole light is a solar street light system with special shape. The battery board is placed vertically around the lamp pole. Compared with the conventional solar street lamp, it is more beautiful and simple, and makes the daily cleaning of the battery panel more simple.

Armour Series

INL-SPL




Armour series is a small-medium LED output solar street lighting system, designed for parks, hotels, residential area, and main streets lighting. The solar panels are vertically mounted around the lighting pole, and adopt All-In-TWO solar lamp as the solar lighting source.





Single-arm Model

Double-arm Model

Key Features

-  Eight solar panels are fixed tightly on an octagon frame. It ensures 50% of solar panels will face to sunshine at any time.
-  The cylindrical solar panel design reduces the wind resistance area, which is especially adapted to very windy regions.
-  The solar panels vertically mounted on the pole is not easy to be covered by the dust or snow, which vastly reduces the requirements of solar panel cleaning.

-  Instead of mounting big solar panels on the top, the solar panels are vertically integrated with the pole, which makes the whole system very simple and modern looking.
-  Suitable for lamp posts with diameters of 50-175mm.

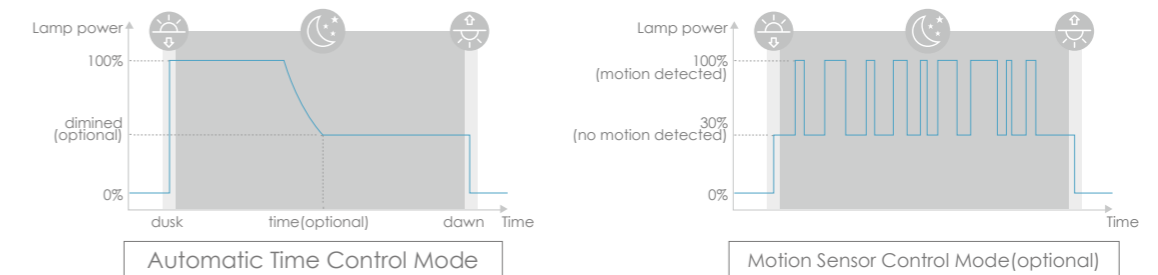
PARAMETERS

Lamp Model	Falcon	Jaguar
Lamp Power	10W-80W	30W-150W
LiFePO4 Lithium Battery Capacity	Up to 640Wh	Up to 1280Wh
Solar Panel	140W -640W	
Mounting Height	3-12 Meters	
System Life Span	> 7 years	
PIR Motion Sensor	√	
Remote Control	√	

Smart Lighting Mode

Various operating modes with different programs are available.

Working Time	up to 14 hours per night
Autonomy Days Backup	up to 7 days depending on lighting mode

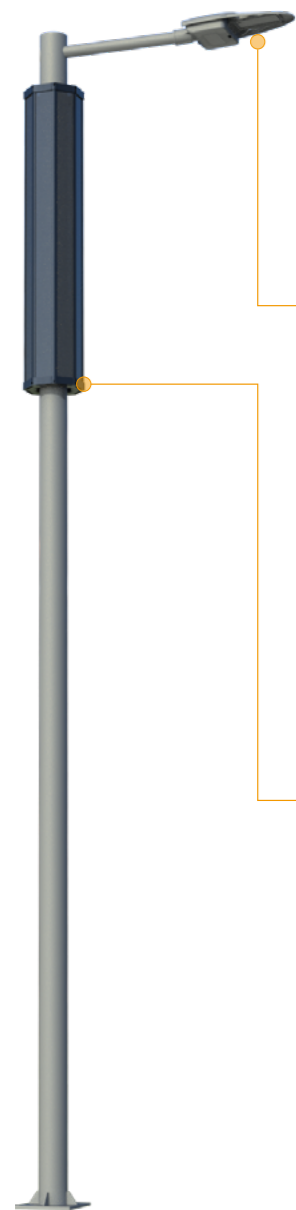


Work at All Climates

With LiFePO4 battery's high-temperature resistance, controller's temperature compensated function and BMS' temperature protection system, ARMOUR series is able to operate under extreme climate conditions.



Product Details



The lamp fixture adopts the latest Semi-Integrated Designed Solar Lamp Fixtures. With lithium battery and solar controller integrated inside the light housing.

The lamp fixture adopts the latest Semi-Integrated Designed Solar Lamp Fixtures. With lithium battery and solar controller integrated inside the light housing.

Octagon Solar Panel Unit

Eight panels are formed in a circle, fixed to an octagonal base Octagon Solar Panel Unit

Key Specification of Solar Module

Model No.	INL-SPC-80W	INL-SPC-90W	INL-SPC-160W	INL-SPC-180W
Silicon Type	Mono-crystalline			
Pmax	80W	90W	160W	180W
Vmp	6V		18V / 36V	
Product Dimension	Φ 315mm *600mm	Φ 315mm *650mm	Φ 315mm *1600mm	Φ 315mm *1700mm
Operating Temperature	-40°C~85°C			
Maximum System Voltage (Vmax)	1000V			
Maximum Overcurrent Protection Rating (Imax)	15A			
Solar Panel Frame	Aluminum Alloy			
Suitable Lighting Pole Diameter	80mm-170mm			
IP Grade	IP65			
Life Time	More than 25years			



Applications

Parks, Main Streets, Highways, Parking lot, Perimeters, Resorts. Etc.



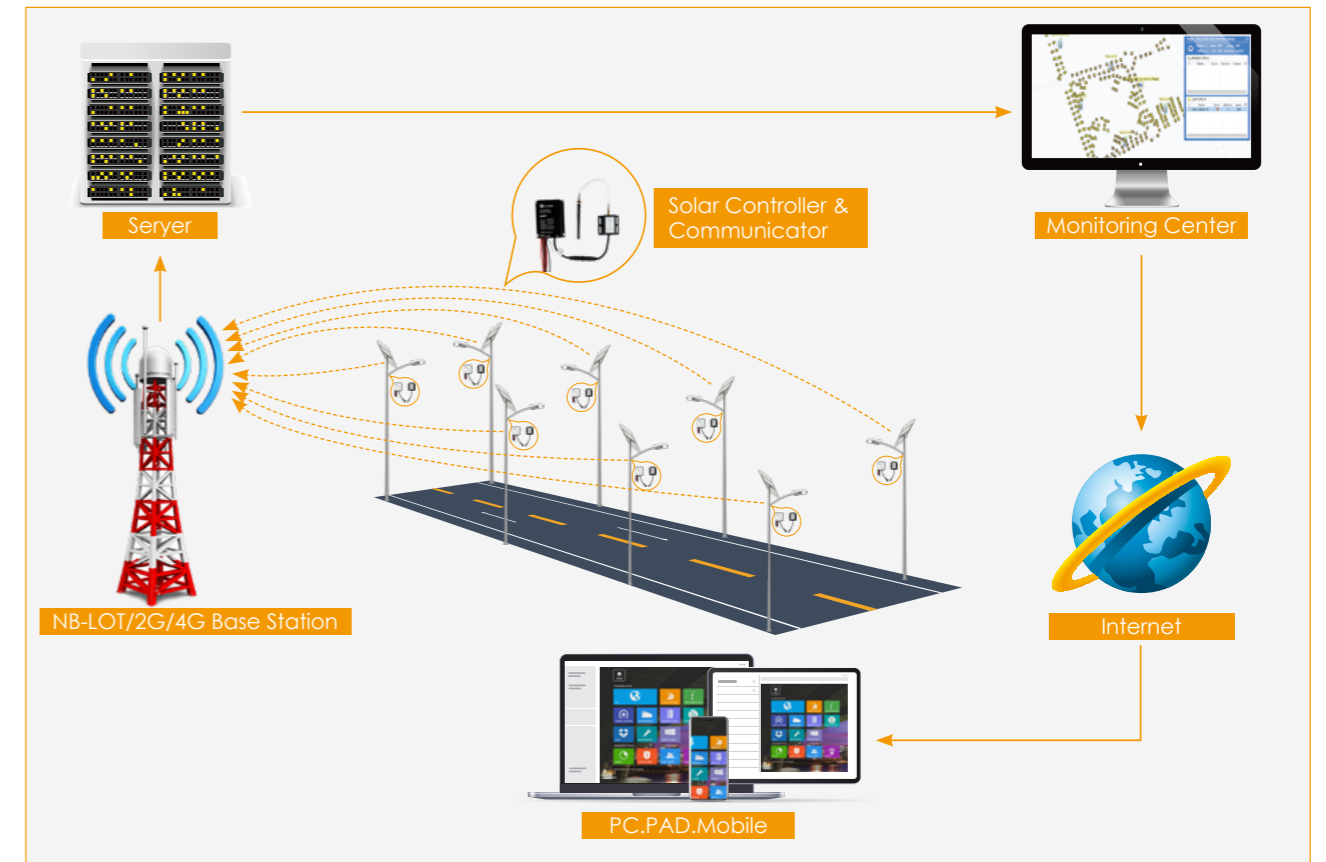
All-in-two Solar Street Light

All-in-two Solar Street Light

Core Technology

Beyond producing better products, INLUX SOLAR has been dedicating to R&D of cutting edge solar street light technology. Ever since the foundation of the company, we have achieved dozens of patents. As a frontrunner in this industry, we will be focusing on developing a more intelligent and intrgrated solar street light system with longer service life, better performance and lower price, so as to push a more widely global application.

I-CLOUD Wireless Intelligent Remote Control System



Based on NB-L0T/2G/4G technology, I-CLOUD Wireless Intelligent Remote Control System enables real-time monitor of each solar street light, record of historical data, change of working parameters on PC, PAD and MOBILE, which facilitates later maintenance tremendously.

Traditional wireless remote control system combines the signal of a group of solar street lights in one communication module, then accesses to Internet. Unsmooth data transmission due to blockade between solar street light and communication module or long distance will lead to failure of remote control system.

While in the newly developed I-CLOUD Wireless Intelligent Remote Control System, installation environment has only marginal impact on data transmission, as there is an Internet accessing module for each solar street light. By far it is a generally recognized best wireless remote control solution in the industry.

Functions:



GPS Map



Failure Warning



Historical Data Record



Remote Management of lighting modes



Authority Management

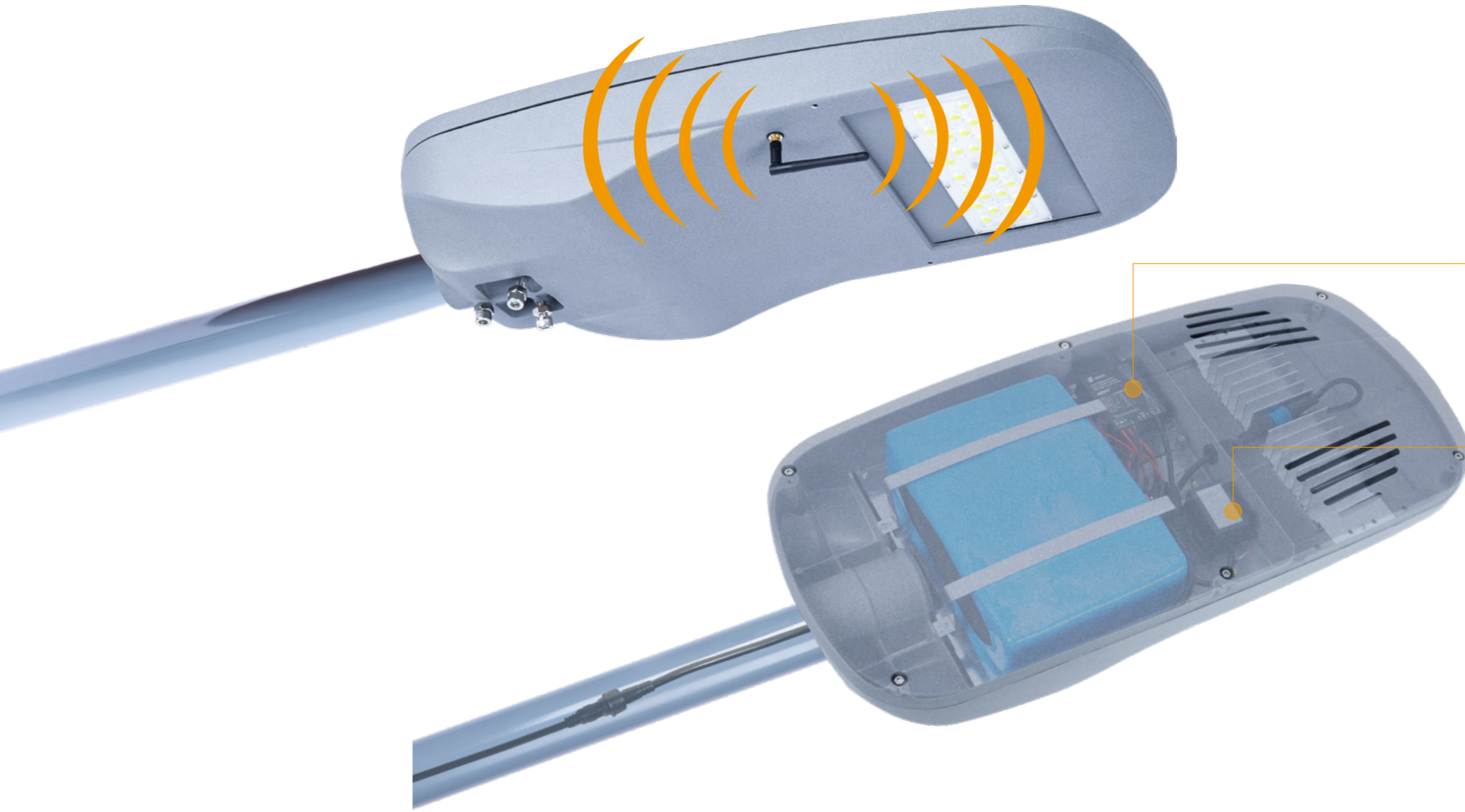


Remote ON/OFF Switch



Working condition monitoring

Hardware units

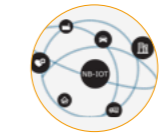


Smart Controller
 smart lighting management
 optimizes lighting output and
 extends battery lifespan



Communicator unit
 Communication modes of
 NB-L0T/2G/4G are optional
 according to the Internet
 situation of project location.

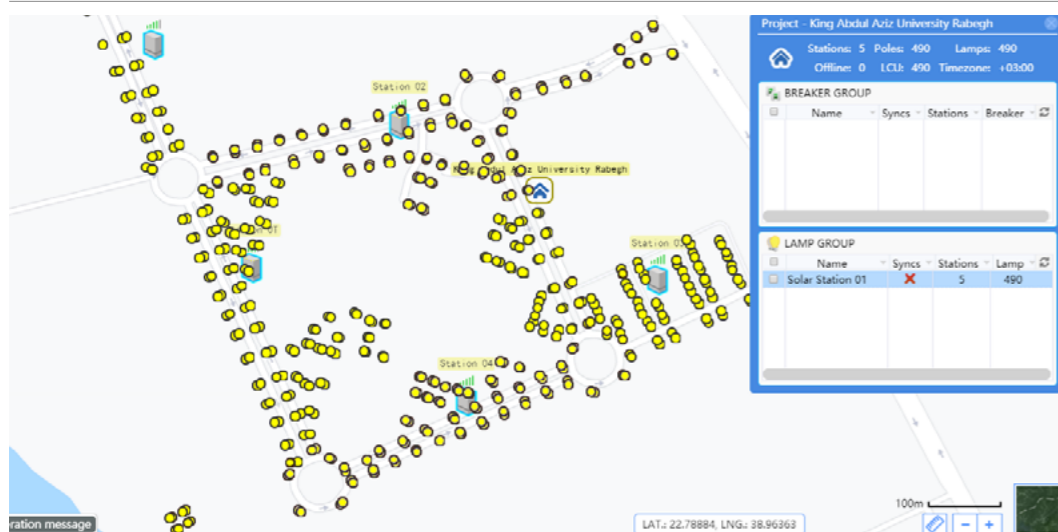
Sim card



PILOT PROJECT

Location
 Time

Saudi Arabia
 2019



Solar Controller & communicator

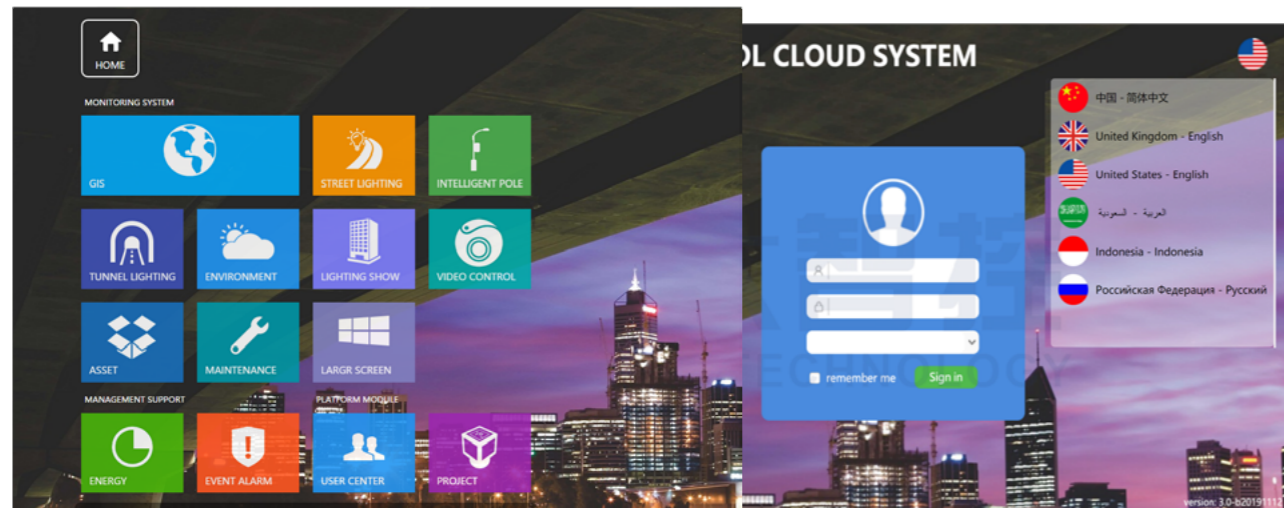


Communication modes of NB-LoT/2G/4G are optional according to the Internet situation of project location.

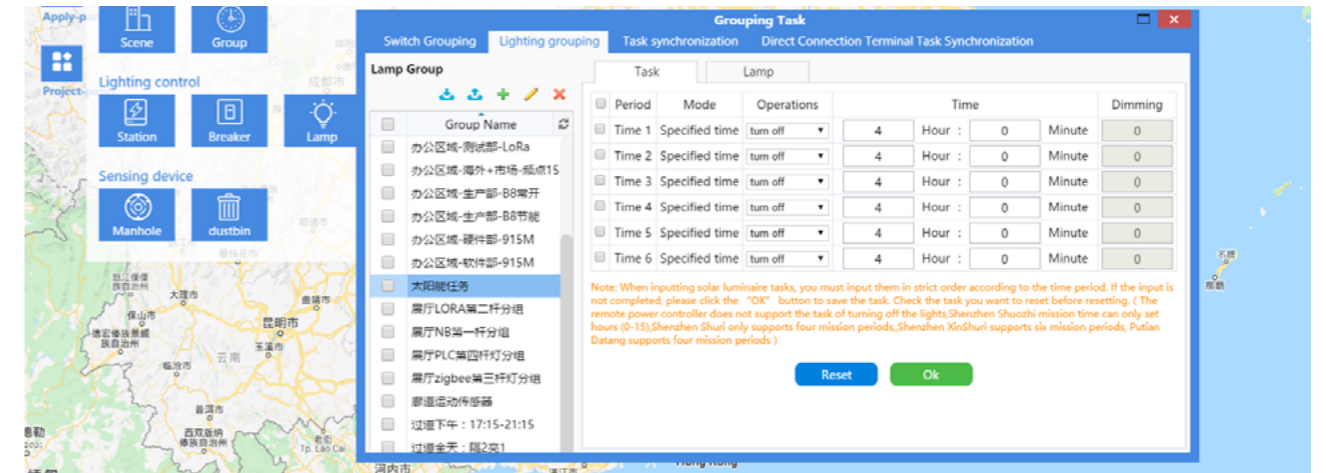
SOFTWARE PLATFORM

Home page

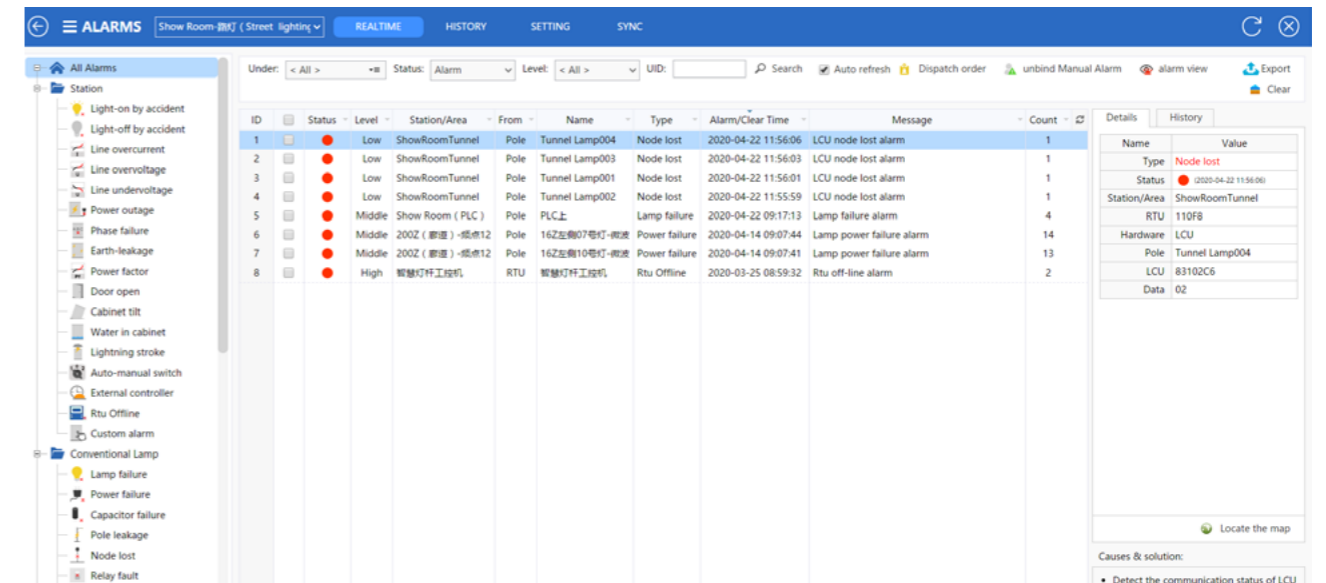
Multi-lingual homepage, available on pc, pad and mobile



Remote Management of lighting modes



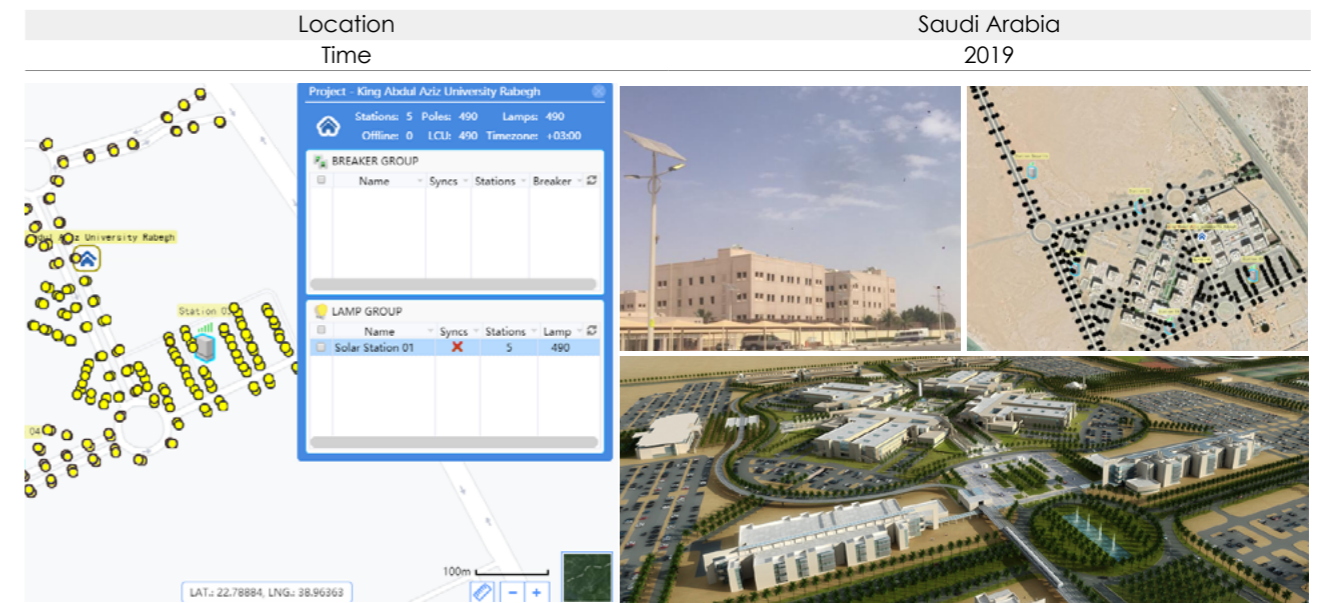
Failure Warning



Working Condition Monitoring Based On Map

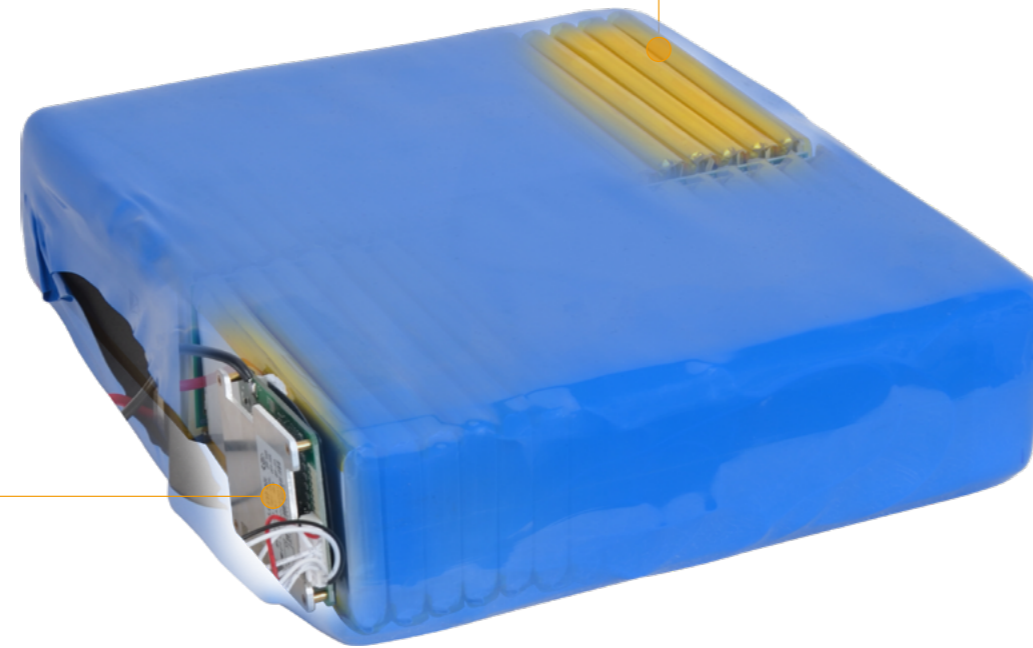


PILOT PROJECT



Reliable and Durable LiFePO4 Battery system

We offer a wide range of lithium iron Phosphate (LiFePO4) battery, and each has been specially engineered to deliver long cycle life and excellent thermostable performance. Along with multi-protection applied by BMS unit, solar controller contributes to maintaining normal operation under various extreme climates. LiFePO4 battery is the most reliable lithium battery available on the current market.



LiFePO4 Lithium Battery Cell
Cylindrical Type LiFePO4 Lithium Battery

BMS Unit

BMS Unit provides multiple protections for the LiFePO4 Lithium Battery package



Extending cycle life by protecting the battery from over-charging and over-discharging.



Coulomb counting and dynamic drift correction are applied to monitor charging status.



Monitors internal resistance of individual cells and the measured capacity of the battery pack.



Multiple methods to control chargers, motor controllers and other external devices.



Over-temperature and under-temperature protection.



Efficient passive balancing is applied to making the utmost of usable capacity of battery packs.



More than 8 years life time



High discharge rate of up to 10C



Different shape selection applies to different products



At room temperature 1C charge and discharge, the battery capacity after 3000 cycles is still more than 80%



Environmentally friendly

No heavy metals, no pollution, in line with ROHS standards



High temperature performance

The peak temperature can withstand up to 500 °C , 65 °C can still work normally



High safety standards

The anode material of lithium iron phosphate has good electrochemical performance, stable charging and discharging platform and stable structure during charging and discharging

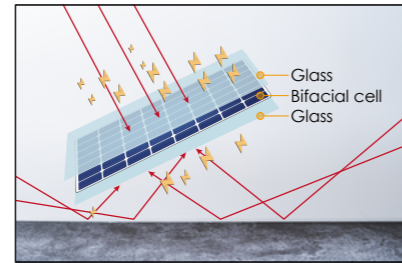
High Efficient Solar Panel

Except conventional mono and poly cells, we provide half-cut and BiFacial solar panel as options of higher efficiency.

BiFacial Solar Panel



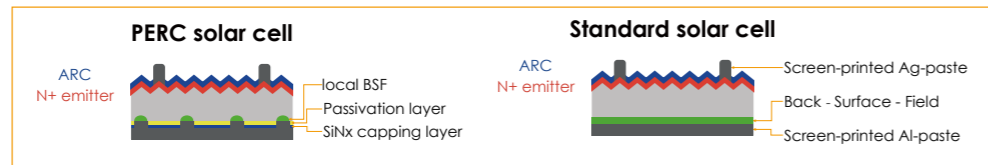
BiFacial solar panel is designed to generate more electricity by absorbing solar energy with both sides of PV module. It is optional for Allien Series All-In-One Solar Street Lights.



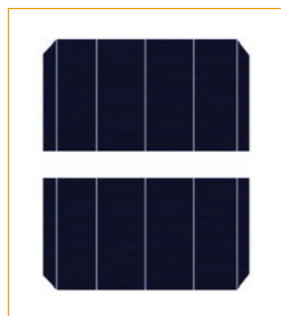
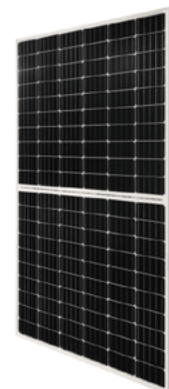
PERC Solar Panel



In essential, it is a solar cell with higher efficiency, that is to say solar panel made of PERC cells can convert sunlight into usable electricity more easily. PERC solar panel typically performs better than traditional panels under conditions of low light and high temperature. PERC technology boosts efficiency by adding a layer to the back of a traditional solar cell, which also brings about several benefits to the cell's production.



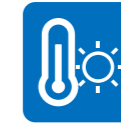
Half Cut Solar Panel



Half-cut solar panel, made of solar cells that are cut in half, is with better performance and durability. The quantity of cells of half-cut solar panel doubles that of common solar panel. Lower resistive losses and more power generation will be achieved due to halved current of such solar cells. Furthermore, lower possibility of cracking because of smaller mechanical stresses and higher output ratings have made the half cut solar panel more reliable than traditional ones.

High Quality & Reliable Controller

Top-notch electronic component, together with advanced packaging technology makes an IP67 controller. The controller, adopting mature and concise algorithm program, has been verified by thousands of actual cases that its service life has reached over 10 years. It is able to maintain stable working status as well as extremely low failure rates even under extreme climates.



Intelligent Temperature Adjustment

Temperature sensor in the controller keeps monitoring battery temperature while the system is under operation. Once abnormal temperature detected, controller will adjust charging current to regulate battery temperature, so as to ensure safe operation.



Multi-protection

Battery reverse polarity protection, solar panel reverse polarity protection, solar panel over-voltage protection, lithium battery overcharge and over discharge protection, lithium battery BMS overcharge detection protection, over temperature protection, load open circuit and short circuit protection, load over current protection, etc.



Advanced MPPT Technology

The controller can detect real-time power generation and track the maximum voltage and current, which enables the system to charge the battery with the highest efficiency, thus increase energy utilization by 15% to 20%



I-Cloud Smart Solar Lighting Wireless Control Option

Featuring real-time data detecting and system monitoring via Internet, I-Cloud Smart Solar Lighting Wireless Control System makes maintenance much easier.



Smart Lighting Mode & 365-day non-stop operation

5-stage working modes can be set on customers' demand. During continuous rainy days, the system will intelligently reduce output power of LED lamp to extend working time, thus ensure the non-stop operation.



Optional PIR Sensor

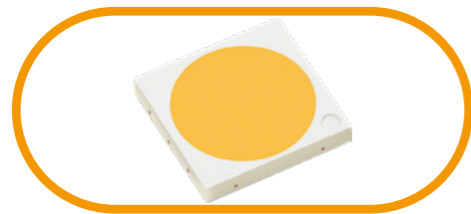
With optional PIR sensor, controller realizes energy saving by controlling output power of LED lamp via motion detection.

First-Class Lighting Solutions

Composed of JIANG 3rd-Generation module, more efficient PHILIPS LUXEON® Rebel ES LED luminous source and reliable MEAN WELL HLG Series LED driver, JIANG H series has become the most cost-effective LED street light on the current market.

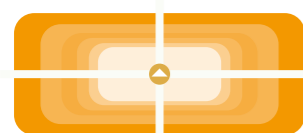
BRIGHTER LED LUMINOUS SOURCE FROM TOP BRANDS

The CREE, LUMILEDS, SAN'AN 5050 LED chips adopted by INLUX SOLAR provide 50% higher lumen output (up to 200lm/w) and longer-lasting stability than normal 3030 LED chips. It is the brightest LED lighting source solution on the market now.

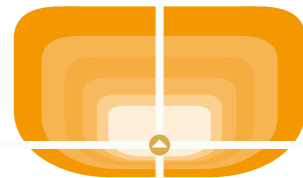


Customized Lighting solution

We will propose lighting solutions according to different application situations, and issue DIALUX report to simulate the illuminating effects of the light to be installed.



Type1: Two-way lateral suitable for 2 lane roads and walkways. Meant to be placed in the center.



Type2: Lateral but a little larger are than Type 1. Good for 4-lanes, on-ramps, and usually cated roadside.



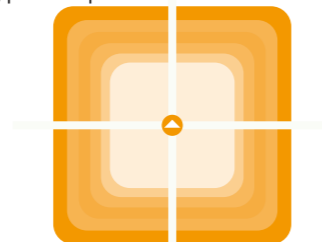
Type3: Commonly known as "bat-wing" it is suitable for perimeters where other interior pole placements fill the site.



Type 4: Known as a "forward throw", or asymmetric, is best along perimeters where spill light is a concern and/or there are no places to add poles within the site.

Type 5: Available as a square/ rectangular or as a circle pattern. Best for large interior areas within a site.

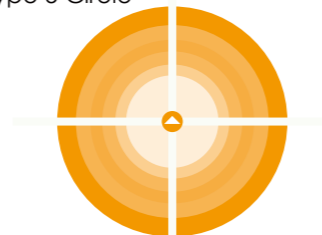
Type 5 Square



Type 5 Rectangle



Type 5 Circle

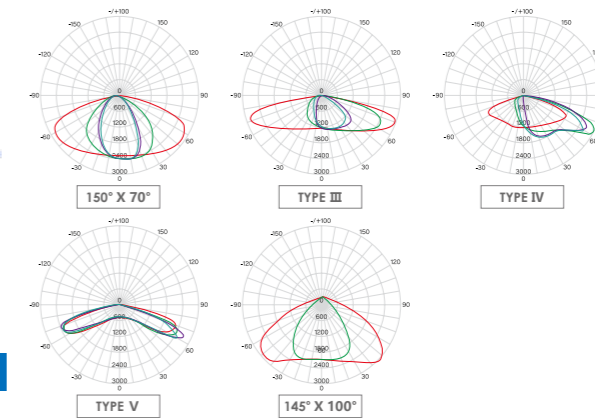


BRAND-NEW LED MODULE DESIGN

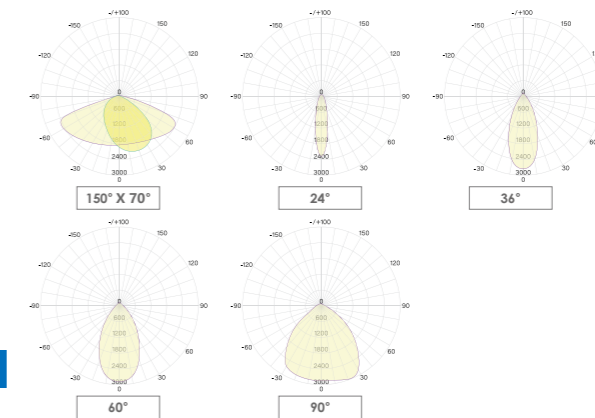
Exquisite design with high power output and better waterproof performance.



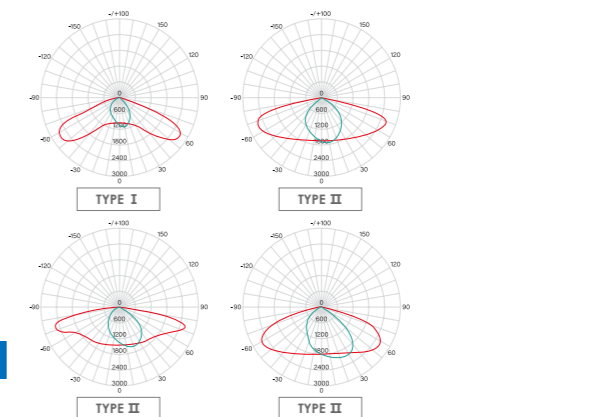
INL-M1 Series



INL-M2 Series



INL-M3 Series



Advantage

1. Patent independent module design, flexible installation.
2. Aluminum alloy heat sink processed by anti-corrosion dull polish treatment, professional fin design, good thermal performance.
3. Luminous efficiency can reach 200lm/w.
4. Multiple beam angles, suitable for various application scenarios.
5. Easy installation and maintenance.
6. Up to IP67 protection grade.
7. Extreme climates endurable.

Lighting Pole

Steel and aluminium poles with various designs are available.



Key features



Anti-corrosion



High-strength



Various design and colors

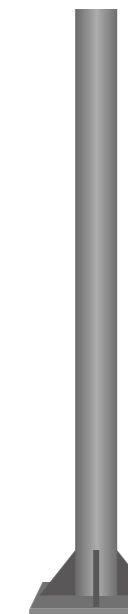


Over 20 years of service life

Pole Shape options



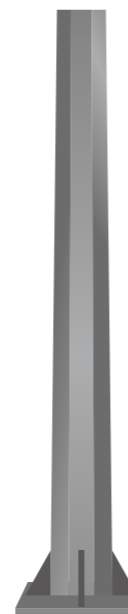
Square Shape



Round Shape

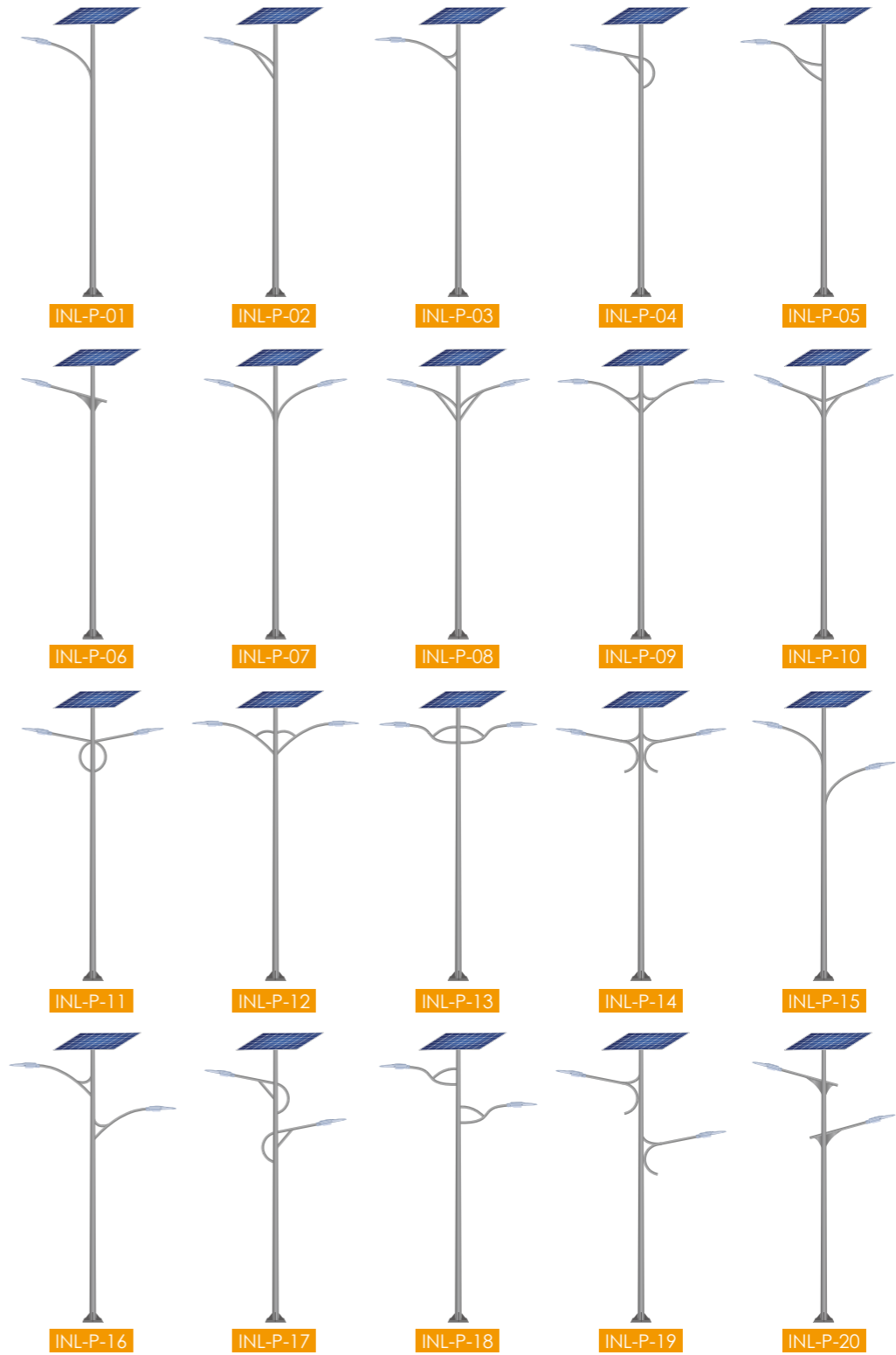


Conical Shape



Octagonal shape

Main Design options



Painting Color Options



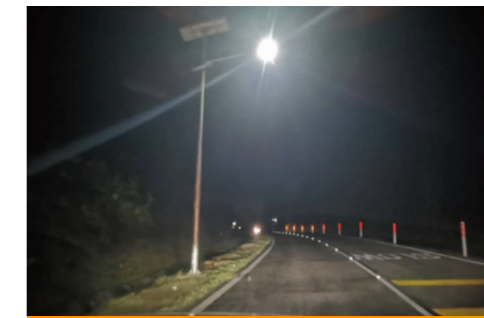
WORLDWIDE PROJECTS

Abundant Project Experience

So far, 350,000 odd sets of our solar street lights have been installed in more than 1000 installation sites in over 85 countries. We have supplied solar street lights to many UNDP, UNHCR, "UNOPS" WORLD BANK, IDCOL, and GLOBAL LIGHTING projects.



Bangladesh




Malaysia





Phillipines




Libya


2,508
Locations

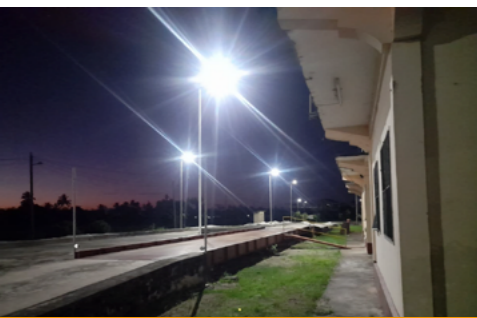

88
Countries


1,826
Clients


281,693
Devices



Malaysia



Guyana



UAE



France



Mexico



Qatar



Libya



Malaysia



Mexico



Costa Rica



Ecuador



Libya



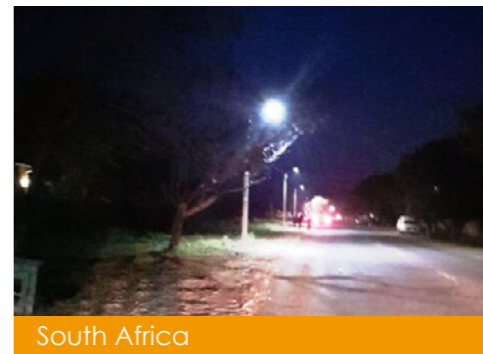
Egypt



Kuwait



Uganda



South Africa



Nigeria



Palestine



Libya



Jordan



Cameroon



Sierra Leone



Malaysia



Syria



Lebanon



Sudan



Indonesia



Myanmar



Thailand



Zambia



Sierra Leone



Tanzania



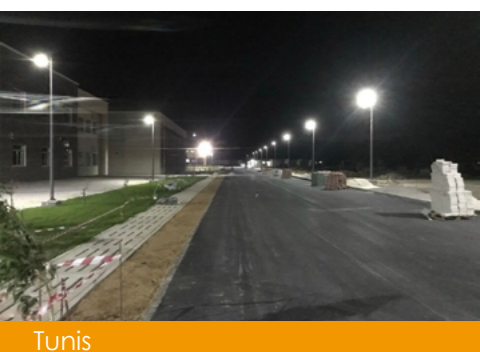
Myanmar



Malaysia



Malaysia



Tunis



Senegal



Cameroon



Malaysia



Phillipines



Thailand

RATCCO


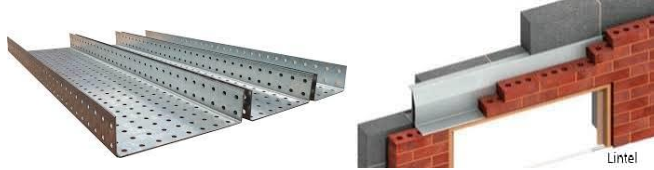

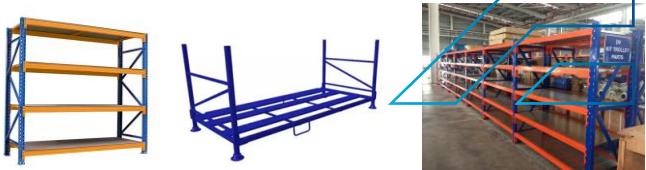

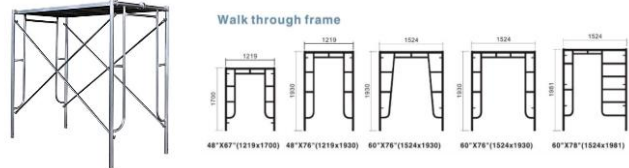
GROUP



Sheet Metal, Switchgear & Diesel Generator Products

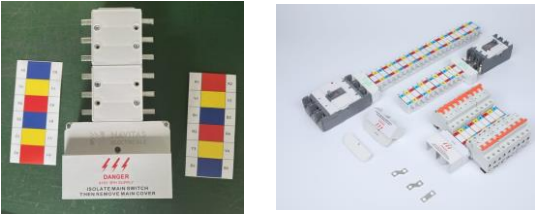
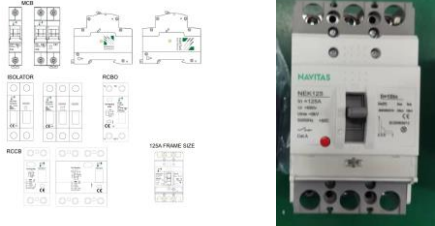




Seet Metal Products – Certified Products:

<p>1. Cable Support System – Cable Trays, Cable Tray Covers, Trunking / Ducting, Unistrut Channels and Accessories.</p>		<p>Products Approved by EWA</p>
<p>2. Doors & Window Lintels.</p>		<p>Product Certified by TUV SUD</p>
<p>3. Electrical Light Poles.</p>		<p>Product Certified by TUV SUD</p>
<p>4. Storage Racking System.</p>		<p>Product Certified by TUV SUD</p>
<p>5. Road Crash Barriers & System.</p>		<p>Product Certified by TUV SUD</p>
<p>6. Light Weight H Frame Scaffolding & Planks.</p>		<p>Product Certified by TUV SUD</p>



Switchgear Division Products:

<p>Switchgear Components – Pan-Assembly</p>		<p>Pan Assembly in stock.</p>
<p>Switchgear Components – Breakers, Contactors, Fuse Holder, Indication Lamp, Selector Switches & Push Buttons.</p>		<p>Breakers are in Stock.</p>
<p>Electrical DBs & Isolators.</p>		
<p>Panels – Main / Sub-Main Distribution boards, Motor Control Centers, Control Panels / VFD Soft Starters, PLC, Genset ATS Panels & Capacitor Banks.</p>		<p>EATON Industries approved Ratcco as EATON Licensed Panel Builder for Kingdom of Bahrain. Received EWA approvals and qualified to participate in Panel enquiries & tenders.</p>

← Diesel Generator Assembly Division:

Diesel Engine Generators		Design Completed, Production to start Nov 2022
Tower Lights		Design Completed, Production to start Nov 2022
Other Associated Products – Outsourced		
Transformers		Discussion with Transformer Manufacturers, Middle East is in Progress

Our Clients

Pharmacy
lemon



صيدلية
ليمون

Bahri
البحري



Domino's



وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture

وزارة التجارة والاستثمار
Ministry of Commerce and Investment



وزارة الصحة
Ministry of Health



Al Jazea Pharmacy
صيدلية الجازع



الشركة السعودية للكهرباء
Saudi Electricity Company





RATCCO



G R O U P

