



JAMES ENERGY

LED Integrated®

LED Integrated®



United States

Quality Control &

Technological Integration



James Energy

James Energy established LED Integrated® in 2018 to focus on the R&D, production and sales of LED lighting products, which have advanced integrated technologies built into the fixtures. We are committed to becoming one of North America's premier advanced integration lighting manufacturers. LED Integrated's priority is to service and support its contracting partners acting as a value-added distributor.

We have added a custom integration production line to our USA warehouses. We now can provide our customers with customizable solutions based on individual project designs, adding advanced sensors, additional battery backup and wireless hubs right in our warehouse before shipping. This provides our customers with seamless turnkey installations. Thus saving time and money when it comes to the installation process.

SL

LED INTEGRATED SOLAR LED STREET LIGHT WITH INTEGRATED CONTROLS

PRODUCT DESCRIPTION:

The new SL Series is LED-Integrated's first-generation 'All in One' solar LED lighting fixture. All aluminum alloy design with sandblasting oxidation treatment adopted. The SL Series comes with remote control to select among the preset PIR, Timer or PIR + Timer options. The SL series possess advanced optical design, enhanced solar panel capabilities with improved design to separately access to LED panel, IP66 waterproof battery box and intuitive controller to make it very effective and easy to quickly install. This robust stand-alone solution is designed for a sustainable future in for all type of installations



FEATURES:

- *Module Controller Design and One Step Pull- out Battery Pack, easy to maintain.
- *Vertical sleeve bracket design, easy to install.
- *Remote control included.
- *Three kinds of lighting mode selectable according to the different installation environment.
- *Detachable window design for battery box and intelligent controller

APPLICATION:

- *Residential-areas,
- *Island-Square's,
- *Garden's,
- *Park's and Cottage's
- *Marina's and Camping
- *Pathway's and Parking Lots,
- *Universities and School Campuses,
- *Cottages and Hunting Cabins,
- *Federal and Municipality Locations,
- *Industrial and Commercial Buildings



Lights up 12 hours a night, supports 5 days of autonomy.

The intelligent control system scientifically calculates the lighting output according to the weather and battery capacity to ensure the lighting time, which can realize the lighting up throughout the whole year.



Real-time working condition monitoring and modular in design. Easy for maintenance.

Three different display lights show the real-time working status of the solar panels, batteries, and light sources, making it easy to maintain.



Easy to maintain

The one-step pull-out battery pack modular design and modular controller design make it easy to maintain and replace after installation.



High light efficiency

The maximum light efficiency of the SL series can reach up to 160 Lm/W, which makes the energy conversion more efficient.



JUNZI Remote Control

The switch of the luminaire can be controlled by a remote control and the user can set the illumination mode and illumination time.



Adjustable mounting bracket

The SL series is available with sleeve brackets, hoop brackets and 0-72 ° adjustable brackets for maximum installation flexibility.



Demonstration Product Launch







The LED Integrated SL and SLC series, product development process has been based on actual demonstration project installation's and market feedback over the past years' experience.



Sales and Installation Training

LED Integrated provides full sales support and installation training.

Specification

PICTURE						
Model No.	LEDI-SL-20W	LEDI-SL-30W	LEDI-SL-40W*	LEDI-SL-50W	LEDI-SL-60W	LEDI-SL-80W *
LED Power	20W LED LAMP	30W LED LAMP	40W LED LAMP	50W LED LAMP	60W LED LAMP	80W LED LAMP
Lumen Efficiency	120LM/W	120LM/W	120LM/W	120LM/W	120LM/W	120LM/W
System Lumens	2400lm	3600lm	4800lm	6000lm	7200lm	9600lm
Colour Temperature	3000K - 6000K	3000K - 6000K	3000K - 6000K	3000K - 6000K	3000K - 6000K	3000K - 6000K
Battery Spec.	DC 12.8V 10.5AH	DC12.8V 14AH	DC12.8V 17.5AH	DC12.8V 21AH	DC12.8V 24.5AH	DC12.8V 28AH
Solar panel Spec.	18V 35W Polycrystal	18V 43W Polycrystal	18V 50W Polycrystal	18V 60W Polycrystal	18V 68W Polycrystal	18V 78W Polycrystal
Charging time (full sunshine)	7-8H	7-8H	7-8H	7-8H	7-8H	7-8H
Operation rainy days (After fully charged)	Support 5 raining days	Support 5 raining days	Support 5 raining days	Support 5 raining days	Support 5 raining days	Support 5 raining days
Install height	5-6M	6-7M	6-8M	7-8 Meters	7-9M	8-10M
Product dimension L*W*H	724*315H206 mm	L882*315*206 mm	1031*315*206 mm	1198*315*206 mm	1356*315*206 mm	1514*315*206 mm
Carton box dimension L*W*H	830*420*150 mm	980*420*150 mm	1140*420*150 mm	1310*420*150 mm	1460*420*150 mm	1630*420*150 mm
Net weight	8.0kg	9.0kg	12.80kg	14.50kg	14.10kg	15.40kg
Gross weight	9.70kg	12.60kg	14.00kg	16.00kg	17.50kg	18.00kg

*160 lm/W product information on request.

Material & Operation conditions				
LED Brand	Bridgelux	Optical	70*140 °	Certificates
Control Type	Remote control	Control Options	PIR Sensor/Time Control	CE,FCC,ROHS
Battery Type	LifePO4 battery	Body material	Aluminum Alloy	
Solar Panel Type	Polycrystal	Finish	Anodizing+Powder coating	
Operation Temperature	-20°C to +50°C	Pole Fitter Diameter	φ60-φ80MM	
IP Rating	IP66	Mounting Type	Sleeve type	



LED INTEGRATED SOLAR LED STREET LIGHT WITH BUILT IN CAMERA & WiFi

PRODUCT DESCRIPTION:

The SLC CAMERA Series is an upgraded solar LED lighting solution integrated with SLC Series features to add 24 hours of surveillance and security to a wide range of application like schools, offices, parking lots, industrial parks and other public or home places to provide safe monitoring and lighting environment. SLC Series includes Remote Control to select among the preset PIR, Timer or PIR+Timer options or a different configuration registered by the user.

FEATURES:

- *Module Controller Design and One Step Pull- out Battery Pack, both easy to maintain.
- *Vertical sleeve bracket design, easy to install.
- *Remote control included.
- *Three kinds of lighting modes are selectable according to the different installation environments.
- * Detachable window design for LED panel, battery box and intelligent controller.
- * Real-time 24 hours of surveillance and security monitoring from the mobile phone APP or a computer.

APPLICATION:

- Residential Homes and Streets,
- *Island-Square's, State and City Parks
 - *Garden's and Area Lighting
 - *Park's and Cottage's
 - *Marina's and Camping
 - *Pathway's and Parking Lots,
 - *Universities and School Campuses,
 - *Cottages and Hunting Cabins,
 - *Federal and Municipality Locations,
 - *Industrial and Commercial Buildings



**LED INTEGRATED SOLAR
LED STREET LIGHT WITH
BUILT IN CAMERA & WiFi**





Lights up 12 hours a night, 24 hours monitoring, 365 days per year and supports 3 days of autonomy.

The intelligent control system scientifically calculates the lighting output according to the weather and battery capacity to ensure the lighting time, which can realize the lighting up throughout the whole year.



Real-time working condition monitoring and modular in design. Easy for maintenance.

Three different display lights show the real-time working status of the solar panels, batteries, and light sources, making it easy to maintain.



Equipped with webcam

Support local and remote operations, such as camera, video, timer recording, video / picture download and other functions, support Android, IOS devices, and WINDOWS system; WIFI version and 4G version optional, support 10-12 days of video / picture storage.



Adjustable mounting bracket

The SLC series is available with sleeve brackets, hoop brackets and 0-72 ° adjustable brackets for maximum installation flexibility.



JUNZI Remote control

The switch of the luminaire can be controlled by a remote control and the user can set the illumination mode and illumination time.



Adjustable mounting bracket

The SL series is available with sleeve brackets, hoop brackets and 0-72 ° adjustable brackets for maximum installation flexibility.



Total production to date is 30,000 plus units.

The LED Integrated SL and SLC series, product development process has been based on actual demonstration project installation's and market feedback over the past years' experience.



Sales and Installation Training

LED Integrated provides full sales support and installation training.

Specification

PICTURE			
Model No.	LEDI-SLC-15W	LEDI-SLC-30W	LEDI-SLC-60W
LED Power	15W LED LAMP	30W LED LAMP	60W LED LAMP
Lumen Efficiency	120LM/W	120LM/W	120LM/W
System Lumens	1800lm	3600lm	7200lm
Colour Temperature	3000K - 6000K	3000K - 6000K	3000K - 6000K
Battery Spec.	15W 12.8V 14AH Lithium Battery	30W 12.8V 21AH Lithium Battery	60W 12.8V 28AH Lithium Battery
Solar panel Spec.	18V 43W Polycrystal	18V 60W Polycrystal	18V78W Polycrystal
Charging time (full sunshine)	7-8H	7-8H	7-8H
Operation rainy days (After fully charged)	Support 3 raining days	Support 3 raining days	Support 3 raining days
Install height	5-6M	6-7M	7-9M
Product dimension L*W*H	882*315*206mm	1198*315*206mm	1514*315*206mm
Carton box dimension L*W*H	990*420*180mm	1320*420*180mm	1620*420*180mm
Net weight	11.0kg	13.00kg	14.50kg
Gross weight	13.0kg	14.50kg	16.00kg

Camera function

- 1, Supports double simultaneous monitoring.
- 2, Supports operation from mobile phone.
- 3, Supports 6 users monitoring the IP Camera at the same time.
- 4, Build-in WEB SERVER, supports parameter setting from browsers, use one port for data transmitting making it easy for users to configure network settings.
- 5, Support 802.11b/g/n protocol, can be built-in wifi module, flexible forming wireless monitoring environment.
- 6, Supports four regional Motion Detection and alarm linkage call presets.
- 7, Camera Pixel: one million pixel.

Camera storage

Default with 32G TF card, supports 128G TF card.

Camera Video Compression

Adopts H.264 Main profile and Baseline Profile compression algorithms, so image is clearer, less code flow, easier for network transmission, and saving storage space.



Material & Operation conditions				
LED Brand	Bridgelux	Optical	70°140 °	Certificates
Control Type	Remote control /APP control	Control Options	PIR Sensor/Time Control	CE,FCC,ROHS
Battery Type	LifePO4 battery	Body material	Aluminum Alloy	
Solar Panel Type	Polycrystal	Finish	Anodizing+Powder coating	
Operation Temperature	-20℃ to +50℃	Pole Fitter Diameter	φ60-φ80MM	
IP Rating	IP65	Mounting Type	Sleeve type	

OG

OFF GRID SERIES INTEGRATED SOLAR LED AREA LIGHTS

PRODUCT DESCRIPTION:

The "Off Grid" OG series is LED Integrated's adjustable split solar LED lighting solution. It's a new revolutionary product combining solar and LED technology with 100% solar powered self-sustained all in one designed for quick installation and free of maintenance. The OG series is the best solution for areas requesting energy saving and areas with insufficient electricity supply but with good climatology, like remote rural places. Management of ON/OFF, working status, lighting mode, trouble shooting etc. on mobile APP is available.



FEATURES:

- *100% solar powered & self-sustained.
- *Adjustable solar panel 360° horizontally X 240° in vertically to get more sunshine.
- *Semi-split & compact designed everything in one fixture.
- *Battery has 1 day of autonomy.
- *PIR presence sensing, TIMER, working days optional on mobile APP.
- *Simple & easy installation, free of maintenance after installation.

APPLICATION:

- Residential Homes and Streets,
- *Island-Square's, State and City Parks
- *Garden's and Area Lighting
- *Park's and Cottage's
- *Marina's and Camping
- *Pathway's and Parking Lots,
- *Universities and School Campuses,
- *Cottages and Hunting Cabins,
- *Federal and Municipality Locations,
- *Industrial and Commercial Buildings



Lights up 12 hours a night, supports 6-12 hours of autonomy.

The Junzi intelligent control system scientifically calculates the lighting output according to the weather and battery capacity to ensure the lighting time, which can realize the lighting up throughout the whole year. Scientific and reasonable configuration design ensures 24-hour stable monitoring status.



Mobile APP intelligent control, real-time working status remote monitoring, easy to maintain.

The luminaire's can be controlled from the mobile devices. You can also monitor the working status of the luminaire and key components, adjust the lighting mode and facilitate the later maintenance.



360° in horizontally X 240° vertically adjustable solar panels, adapt to different latitude and longitude installation sites.



Demonstration Product Launched in 2018, sales of 50,000 units +.

The LED Integrated OG series product's is a split solar streetlight designed for off grid installations in regions where there is a lot of sunlight.

The appearance of die-casting and molding, smooth lines and smooth metal texture bring out high-grade quality performance.



Sales and Installation Training

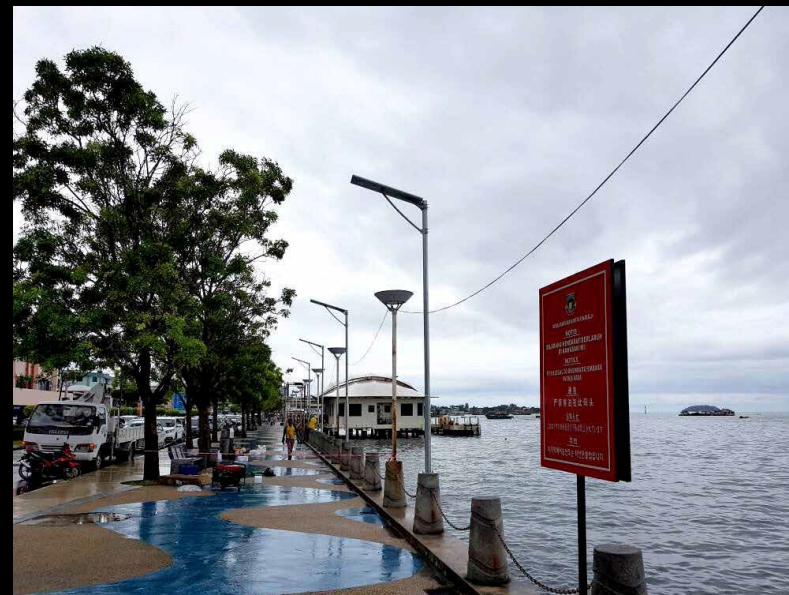
LED Integrated provides full sales support and installation training.

Specification				
PICTURE				
Model No.	LEDI-LD30W-SF	LEDI-LD40W-SF	LEDI-LD50W-SF	LEDI-LD60W-SF *
LED Power	30W LED LAMP	40W LED LAMP	50W LED LAMP	60W LED LAMP
Lumen Efficiency	130-150LM/W	130-150LM/W	130-150LM/W	130-150LM/W
System Lumens	3900-4500 lm	5000-6000 lm	6500-7500lm	7800-9000lm
Colour Temperature	3000K - 6500K	3000K - 6500K	3000K - 6500K	3000K - 6500K
Battery Spec.	DC11.1V 24AH Lithium battery	DC11.1V 28.8AH Lithium battery	DC11.1V 33.6AH Lithium battery	DC11.1V 38.4AH Lithium battery
Solar panel Spec.	18V 60W Monocrystal	18V 60W Monocrystal	18V 80W Monocrystal	18V 80W Monocrystal
Charging time (full sunshine)	6-8H	6-8H	6-8H	6-8H
Operation rainy days (After fully charged)	Max.power 6hrs;half power 12hrs	Max.power 6hrs;half power 12hrs	Max.power 6hrs;half power 12hrs	Max.power 6hrs;half power 12hrs
Install height	4-6M	5-7M	6-8M	7-9M
Light fixture dimension	640*260*250mm	640*260*250mm	640*260*250mm	640*260*250mm
Solar Panel Size	640*260*250mm	690*330*320mm	690*330*320mm	690*330*320mm
Solar panel carton dimension	825*565*75mm	825*565*75mm	800*720*75mm	800*720*75mm
Light fixture carton dimension	690*330*320mm	11.0KG	11.30KG	8.70KG
Solar panel carton weight	7.10KG	7.10KG	8.70KG	8.70KG
Light fixture carton weight	10.7KG	11.0KG	11.30KG	11.60KG

Material & Operation conditions				
LED Brand	Bridgelux	Optical	70°140°	Certificates
Control Type	Remote control /APP control	Control Options	PIR Sensor/Time Control/Mixed mode	CE,FCC,ROHS
Battery Type	Lithium Battery	Body material	Aluminum Alloy	
Solar Panel Type	Monocrystal	Finish	Metal powder coating	
Operation Temperature	-30°C to +60°C	Pole Fitter Diameter	φ48-φ76mm	
IP Rating	IP65	Mounting Type	Sleeve type	

DEMONSTRATION PROJECT PHOTOS

The cost of 'traditional grid' electricity continues to rise and as the 'system' gouges you, the consumer, we are seeing unprecedented demand for Solar Lighting & Power Solutions. We partner with businesses, utilities, municipalities and governments to customize innovative power and sustainability solutions that are informed by our years of experience as market leaders.





LED Integrated®

***SOLAR**

***OFF GRID &**

***SECURITY**

***LED LIGHTING**



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