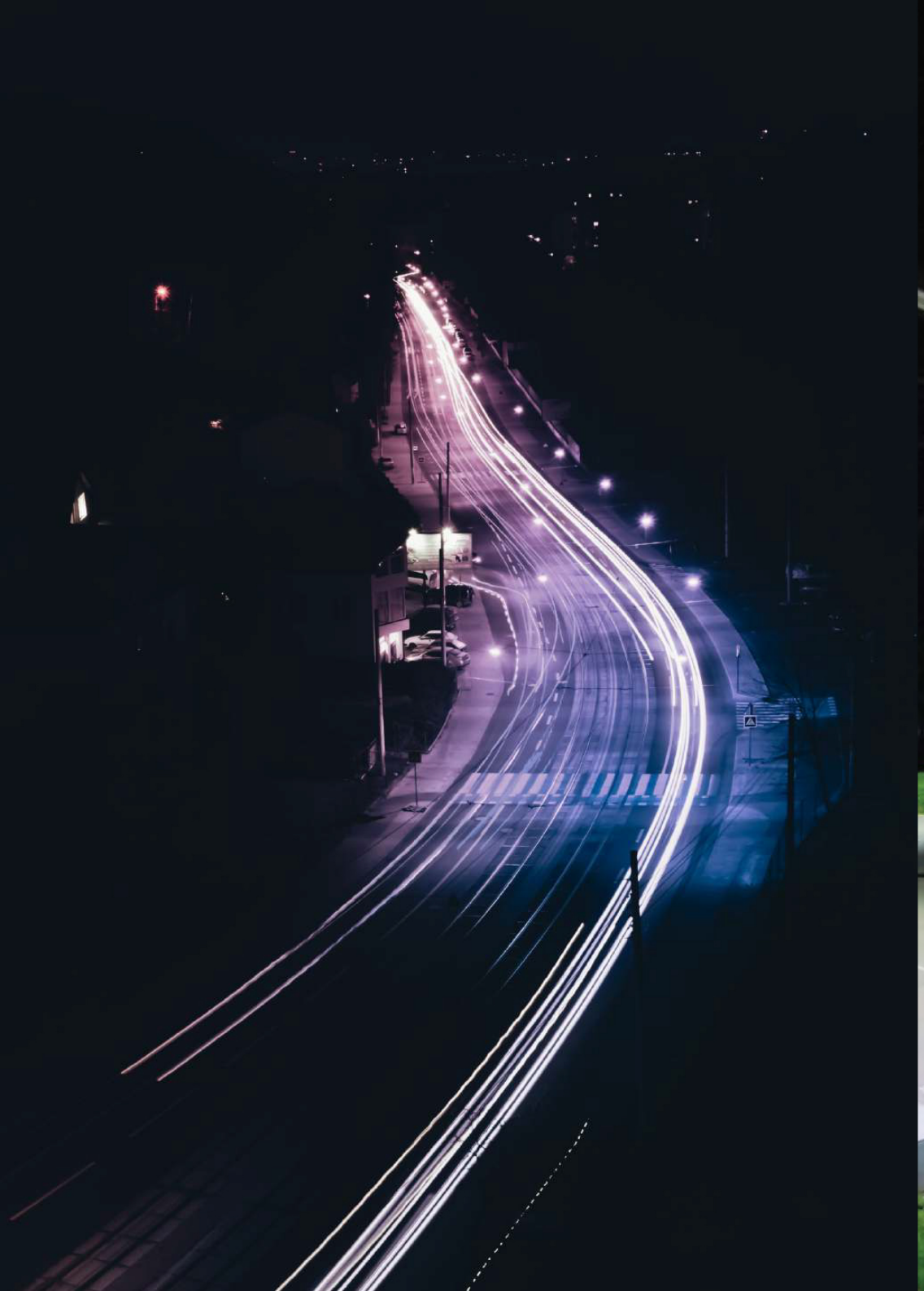

ELETTRICO LIGHTING

Solar

Lighting solutions

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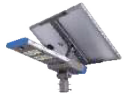
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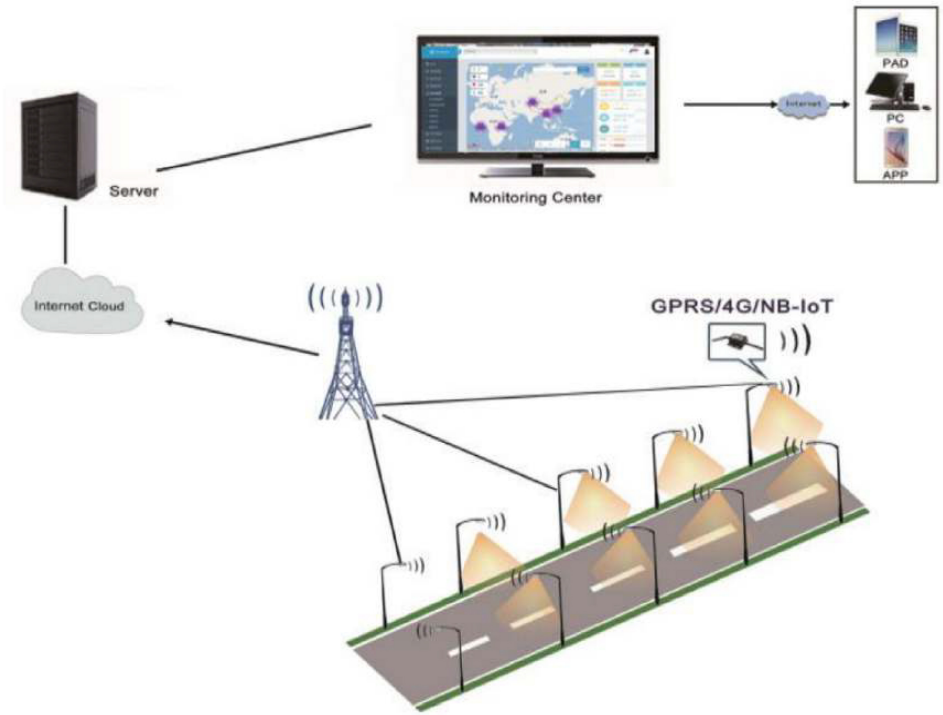
ELETTRICO LIGHTING

REALLED
Wireless Control System

Intelligent
Cloud Management
Online Remote Control

Internet of things (IoT) enabled solar street light solution networks the solar street lights with the Terminal control client end, Lora terminal controller and GPRS-Lora and discharge cycle on battery management, to monitor the solar panel and light operation modes, failure warnings, and supports the total maintenance which makes the overall project smarter, cost e ective and easy to maintain.



Introduction

The direct connection scheme is adopted, and there is no centralized manager, and the signal transmission is carried out through the base station of the mobile operator. The solar controller, wireless communication module, cloud server, client (mobile app, WBE terminal) consists of 4 parts

Solar controller: Intelligent solar controller can collect the current, voltage, temperature, power generation, power consumption, and other information of the system (battery panel, battery, LED load, etc.), and transmit the data to the communication module through the interface. It can receive commands from the client to switch lights and parameter adjustments.

Wireless communication module: Transmit the information of the solar controller to the cloud platform through the network, which is a bridge connecting the controller and the cloud platform.Cloud server: The cloud server is deployed on Alibaba Cloud and Amazon Cloud and is responsible for system scheduling, data storage, data processing, logical transaction processing, etc. It is the subject of the Wireless Monitoring and Management System.

Client: The client includes web and mobile apps. The user can view the data of the cloud service through the client, and at the same time control the switch lights and adjust the street light parameters through the cloud server.

Product introduction

Lumileds LED

Creating World Class Lighting

Lumileds

Superior Outdoor LED Chips

Luminous Efficiency Reach Up To 160lm/w

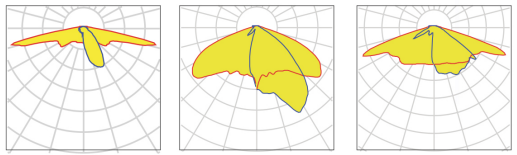
Finished Product Luminous Efficiency Over 150lm/w

Combined with the outstanding heat dissipation design, the pure aluminum lamp base with sealed lens makes the lighting more effective and prolongs the life span of LED

Bat Wing

Spread light Lens

Brand new llight distribution lens design, significantly improve the lighting effects, illumination, and uniformity. Design especially to suit various light distribution types.



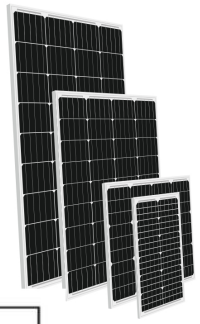
- Common for lead-acid batteries and lithium batteries, operating parameters can be set via the remote control.
- Usining ultraGreen power consumption control technology, with extremely low static power consumption and sleep current. Lead-acid battery multi-stage temperature compensation constant voltage charging.
- Time programmable load power/time control.
- Battery charge and discharge high and low temperature protection function, working temperature can be set.
- A variety of intelligent power modes can be selected, which can automatically adjust the load power according to the battery power. High-precision digital boost constant current control algorithm, high eiciency and constant current accuracy.

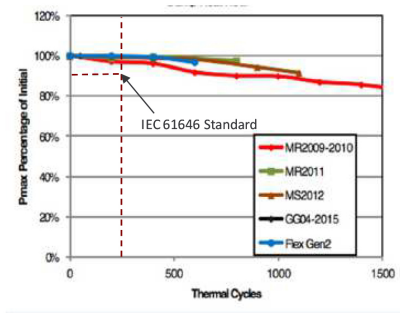
PID

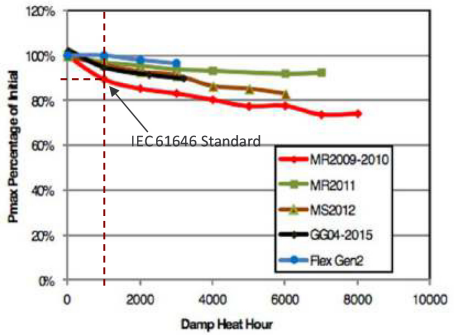
Long weather resistance
Excellent anti-PID(Potential Induced Degradation)
Certified in fireproofing for safety

Lower temperature coefficient
Improved temperature coefficient decreases power loss in the high temperature application.

Superior quality control
ISO 9001:2015 Quality Management System
100% EL and appearance inspection







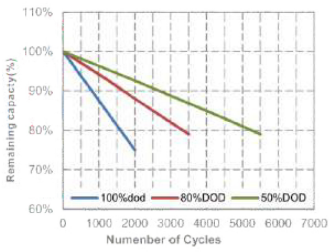
+3%

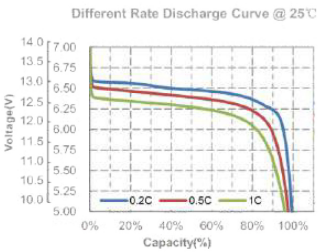
Excellent power generation performance
Guaranteed 0~+3% positive rated power tolerance ensures more power generation every day

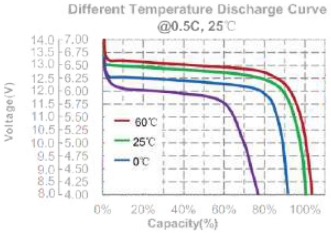
Stable mechanical performance
Passed rigorous hail test
Withstands 5400Pa snow and 2400Pa wind loads

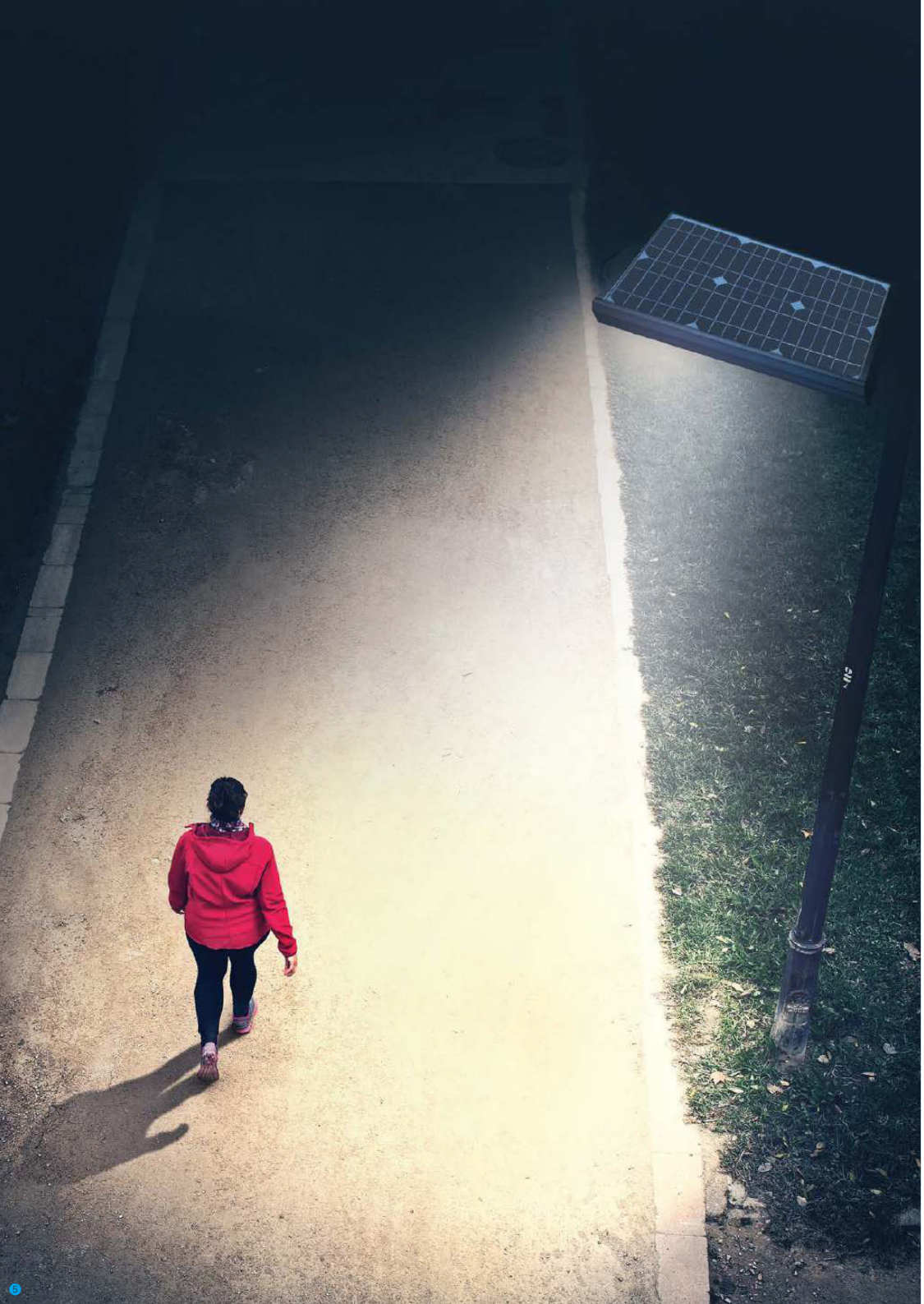
Low-light Performance
Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.

- Lithium Iron Phosphate (LiFePO4) Battery
- Safest lithium chemistry with high energy density
- Built-in automatic protection for over-charge, over-discharge, over current, and over temperature
- Efficient & long-lasting up to 4000+ cycles DOD 50%
- >2000 cycles @0.2C, Charge/Discharge at 100% DOD
- Internal cell balancing
- Wide temperature range: -20℃ ~ 70℃
- Maintenance-free after installation
- Cost-effective









ALL-IN-ONE

Solar Street Lighting

Perfect solutions in street lighting

1.PIR Sensor

Integrated design, intelligent lighting; Can achieve "people to the light on, people go out the light dim"; Sensitive response, energy saving and environmental protection; High efficiency and energy saving, long life, stable performance

2.Aluminium Frame

Beautiful appearance atmosphere, a variety of colors to choose; Oxygen resistance and corrosion resistance, long service life, and environmental protection can be recycled; Safe and stable, good strength and bearing capacity; Has a strong corrosion resistance;

3.Aluminum Die-casting

Aluminum die-casting has good strength, not easy deformation, high precision and durability

4.Magazine Batter Box

Ammunition box type battery box, easy to replace, better waterproof performance, prolong the service life of the lamp; Equipped with higher life and more abundant energy lithium battery, the battery life is long

5.Adjustable bracket

The bracket Angle can be adjusted to meet the lighting requirements of different elevations (20°)

6.Module Light

IP68 LED light engines; Lumileds/ Cree/ Osram LEDs; Super long lifetime (lumen maintenance); Multiple lighting distributions available; Wide applicability for Complex situations.

Product data-MELA

Main Features

Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Die-casting Aluminium
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications

Battery type	Lithium battery
Battery capacity (ampere-hour)	>345Wh
Battery voltage	12.8 V
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	60 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	40 W

Management and gradation

with gradation	yes
Configuration possibilities	Configurable

Materials and finishes

Total length	1100 mm
Total width	380 mm
Total height	315 mm
Color	Gray

Standards and recommendations

Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)

Initial luminous flux	>5200 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

Terms of use

Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

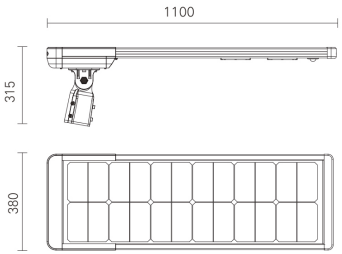
Network connection type	Off grid
Battery location	Inside Luminaire

Optional functions

CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable module	Yes

IP66 IK09

Dimensional drawing



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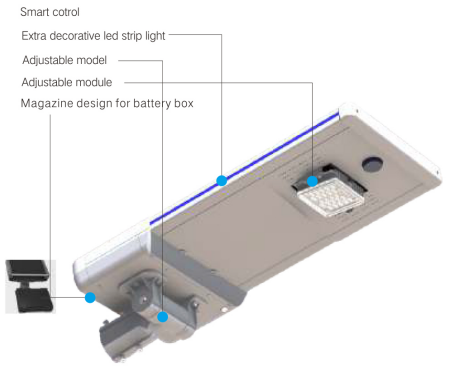


Lighting Distribution Curve

ELETTRICO LIGHTING

Product data-MELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Die-casting Aluminium
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium battery
Battery capacity (ampere-hour)	>384Wh
Battery voltage	12.8 V
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	60 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	60 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	1100 mm
Total width	380 mm
Total height	315 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>7800 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

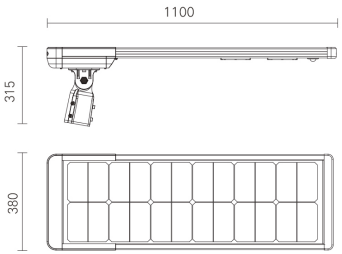
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

IP66 IK09

Dimensional drawing



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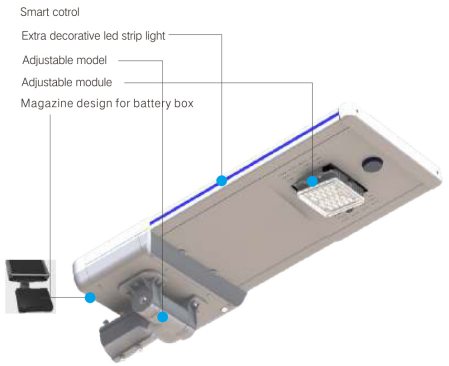


Lighting Distribution Curve

Luminaire LED Solar - MELA

Product data-MELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Die-casting Aluminium
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium battery
Battery capacity (ampere-hour)	>422Wh
Battery voltage	12.8 V
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	80 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	80 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	1420 mm
Total width	380 mm
Total height	315 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>10400 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

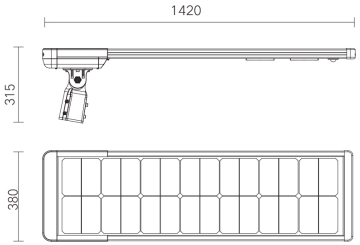
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%; Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

IP66 IK09

Dimensional drawing



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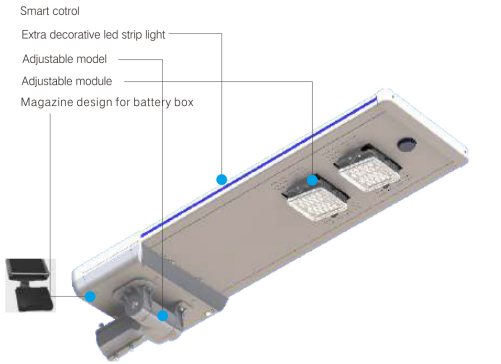


Lighting Distribution Curve

Luminaire LED Solar - VELA

Product data-VELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Die-casting Aluminium
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium battery
Battery capacity (ampere-hour)	>345Wh
Battery voltage	12.8 V
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	60 W
Type of charge controller	MPPT

Charger efficiency	>90%
Charge controller power	40 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	1100 mm
Total width	380 mm
Total height	315 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>5200 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

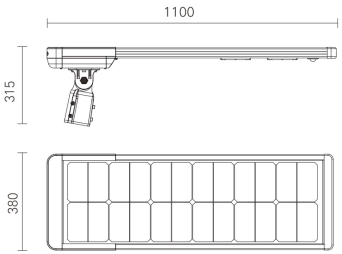
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

IP66 IK09

Dimensional drawing



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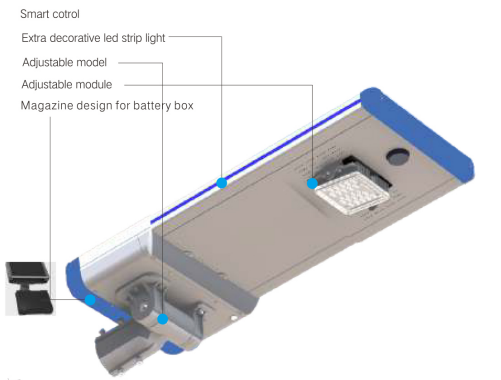
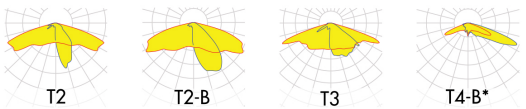


Lighting Distribution Curve



Luminaire LED Solar - VELA

Product data-VELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Die-casting Aluminium
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium battery
Battery capacity (ampere-hour)	>384Wh
Battery voltage	12.8 V
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	60 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	60 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	1100 mm
Total width	380 mm
Total height	315 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>7800 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

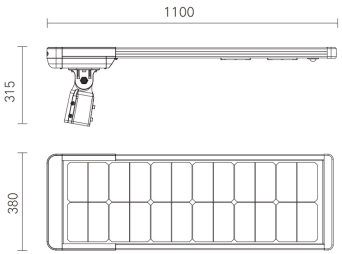
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

IP66 IK09

Dimensional drawing



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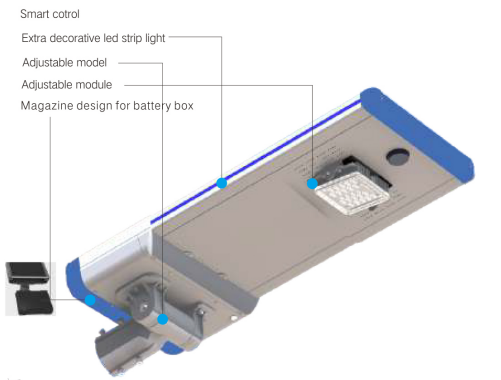


Lighting Distribution Curve

ELETTRICO LIGHTING

Product data-VELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Die-casting Aluminium
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium battery
Battery capacity (ampere-hour)	>422Wh
Battery voltage	12.8 V
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	80 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	80 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	1420 mm
Total width	380 mm
Total height	315 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>10400 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

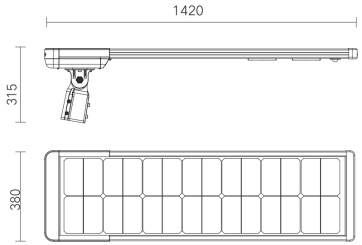
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

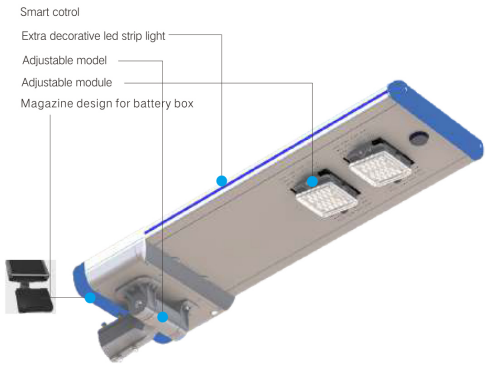
Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

IP66 IK09

Dimensional drawing



Functions



Lighting Distribution Curve

ELETTRICO LIGHTING

Product data-FELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Aluminum profile
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium battery
Battery capacity (ampere-hour)	>307Wh
Battery voltage	12.8 V
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	50 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	40 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	910 mm
Total width	390 mm
Total height	223 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>5200 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

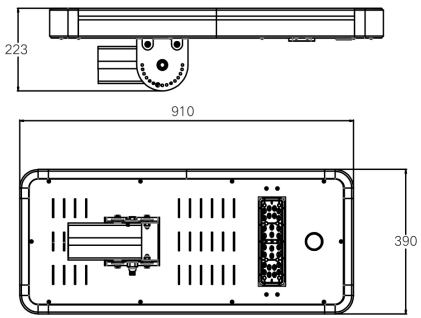
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

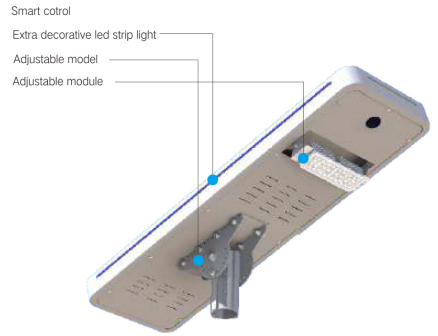
Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

IP66 IK09

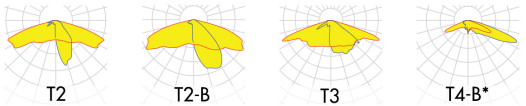
Dimensional drawing



Functions



Lighting Distribution Curve



Luminaire LED Solar - FELA

Product data-FELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Aluminum profile
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium battery
Battery capacity (ampere-hour)	>537Wh
Battery voltage	12.8 V
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	90 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	60 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	1530 mm
Total width	390 mm
Total height	223 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>7800 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

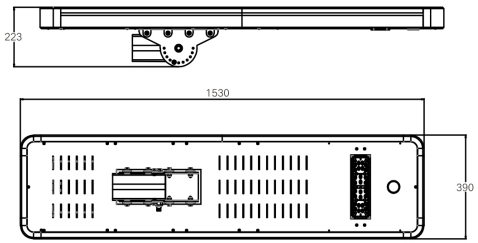
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

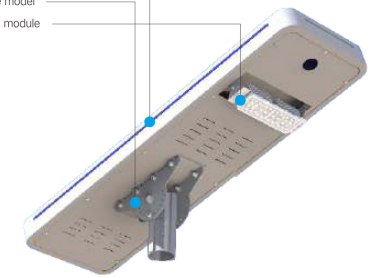
IP66 IK09

Dimensional drawing

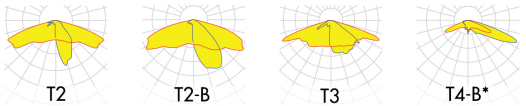


Functions

Smart cotrol
Extra decorative led strip light
Adjustable model
Adjustable module



Lighting Distribution Curve



ELETTRICO LIGHTING

Product data-FELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Aluminum profile
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium battery
Battery capacity (ampere-hour)	⩾768Wh
Battery voltage	25.6V
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Panel voltage	36 V
Peak panel intensity	120 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	80 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	1386 mm
Total width	550 mm
Total height	223 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>10400 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

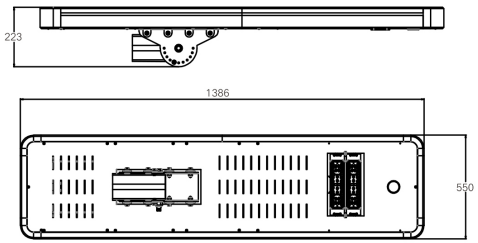
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%; Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

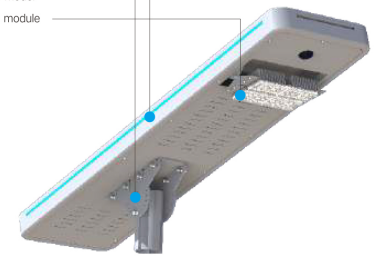
IP66 IK09

Dimensional drawing

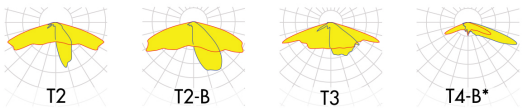


Functions

Smart cotrol
Extra decorative led strip light
Adjustable model
Adjustable module



Lighting Distribution Curve



Luminaire LED Solar - FELA

Product data-FELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Aluminum profile
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium battery
Battery capacity (ampere-hour)	>921Wh
Battery voltage	25.6 V
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Panel voltage	36 V
Peak panel intensity	135 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	100 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	1548 mm
Total width	550 mm
Total height	223 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>13000 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

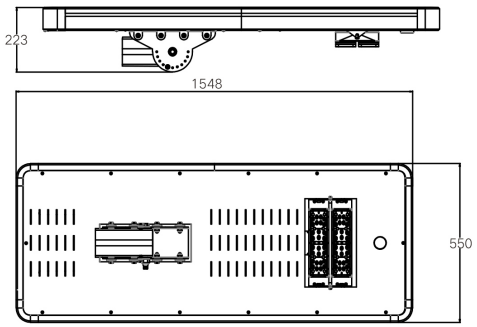
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Extra decorative led strip light	Yes
Adjustable model	Yes

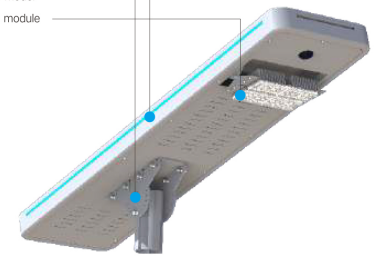
IP66 IK09

Dimensional drawing

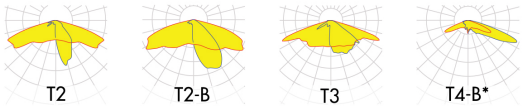


Functions

Smart cotrol
Extra decorative led strip light
Adjustable model
Adjustable module



Lighting Distribution Curve



ELETTRICO LIGHTING

Product data-FELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Aluminum profile
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium battery
Battery capacity (ampere-hour)	>1228Wh
Battery voltage	25.6 V
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Panel voltage	36 V
Peak panel intensity	180 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	150 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	1530mm
Total width	708mm
Total height	223 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>19500 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

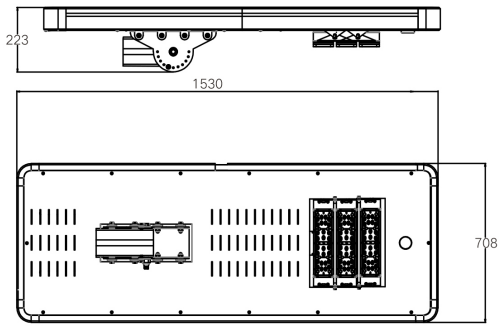
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

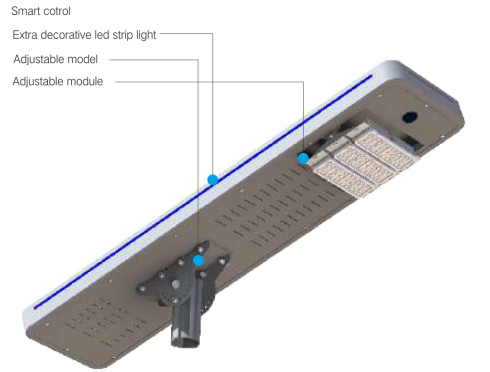
Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Extra decorative led strip light	Yes
Adjustable model	Yes

IP66 IK09

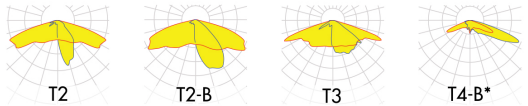
Dimensional drawing



Functions



Lighting Distribution Curve



ALL-IN-TWO

Solar Street Lighting

Perfect solutions in street lighting

1.PIR Sensor

Integrated design, intelligent lighting; Can achieve "people to the light on, people go out the light dim"; Sensitive response, energy saving and environmental protection; High efficiency and energy saving, long life, stable performance

2.Aluminium Frame

Beautiful appearance atmosphere, a variety of colors to choose; Oxygen resistance and corrosion resistance, long service life, and environmental protection can be recycled; Safe and stable, good strength and bearing capacity; Has a strong corrosion resistance;

3.Aluminum Die-casting

Aluminum die-casting has good strength, not easy deformation, high precision and durability

4.Magazine Batter Box

Ammunition box type battery box, easy to replace, better waterproof performance, prolong the service life of the lamp; Equipped with higher life and more abundant energy lithium battery, the battery life is long

5.Adjustable bracket

The bracket Angle can be adjusted to meet the lighting requirements of different elevations (20°)

6.Module Light

IP68 LED light engines; Lumileds/ Cree/ Osram LEDs; Super long lifetime (lumen maintenance); Multiple lighting distributions available; Wide applicability for Complex situations.

Luminaire LED Solar - MELA

All-in-one solar street lighting

Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)

Initial luminous flux	>7800 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

Terms of use

Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

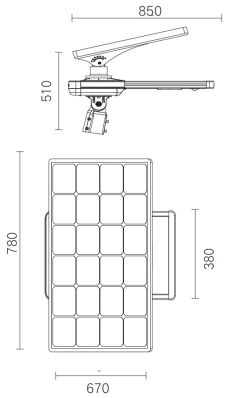
Network connection type	Off grid
Battery location	Inside Luminaire

Optional functions

CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

IP66 IK09

Dimensional drawing



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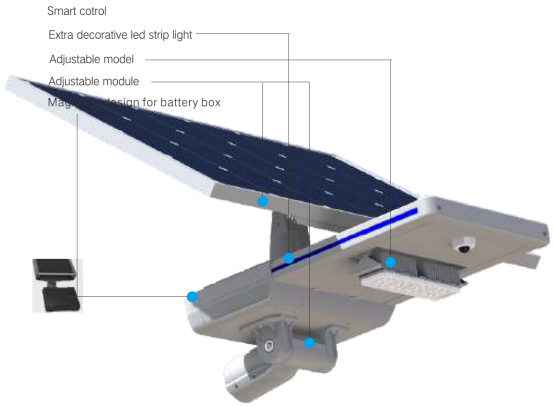
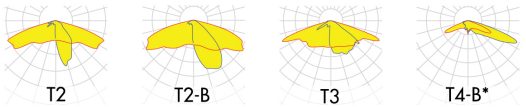


Lighting Distribution Curve



Product data-MELA

Main Features

Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Die-casting Aluminium
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications

Battery type	Lithium iron phosphate battery
Battery capacity (ampere-hour)	>422Wh
Battery voltage	12.8 V
Battery charge and discharge cycles	2000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	80 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	60 W

Management and gradation

with gradation	yes
Configuration possibilities	Configurable

Materials and finishes

Total length	780 mm
Total width	670 mm
Total height	510 mm
Color	Gray

Standards and recommendations

Protection index code	IP66

Luminaire LED Solar - MELA

Product data-MELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Die-casting Aluminium
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium iron phosphate battery
Battery capacity (ampere-hour)	>500Wh
Battery voltage	12.8 V
Battery charge and discharge cycles	2000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	110 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	80 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	1020 mm
Total width	670 mm
Total height	510 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>10400 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

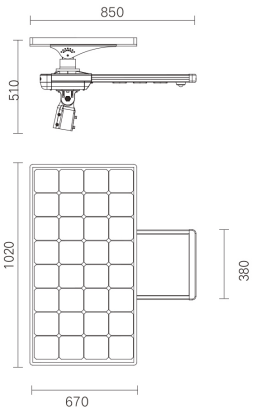
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

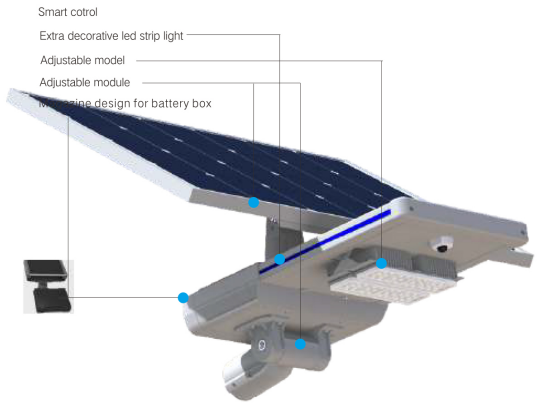
Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

IP66 IK09

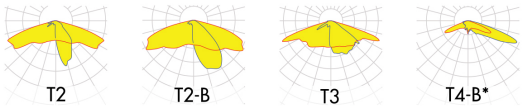
Dimensional drawing



Functions



Lighting Distribution Curve



Luminaire LED Solar - MELA

Product data-MELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Die-casting Aluminium
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium iron phosphate battery
Battery capacity (ampere-hour)	>690Wh
Battery voltage	25.6 V
Battery charge and discharge cycles	2000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	120 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	120 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	1480 mm
Total width	670 mm
Total height	510 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>15600 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

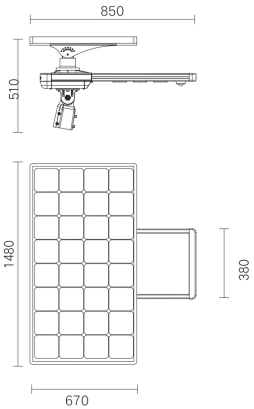
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

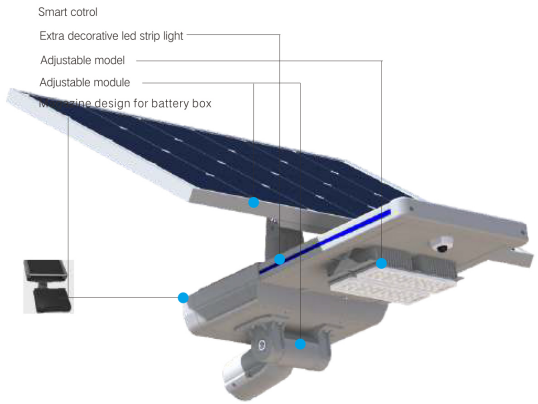
Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

IP66 IK09

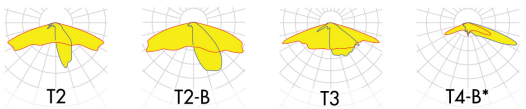
Dimensional drawing



Functions



Lighting Distribution Curve



Luminaire LED Solar - VELA

Product data-VELA

Main Features

Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Die-casting Aluminium
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications

Battery type	Lithium iron phosphate battery
Battery capacity (ampere-hour)	>422Wh
Battery voltage	12.8 V
Battery charge and discharge cycles	2000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	80 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	60 W

Management and gradation

with gradation	yes
Configuration possibilities	Configurable

Materials and finishes

Total length	780 mm
Total width	670 mm
Total height	510 mm
Color	Gray

Standards and recommendations

Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)

Initial luminous flux	>7800 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

Terms of use

Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

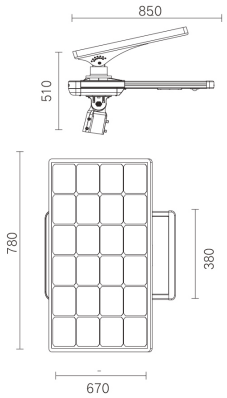
Network connection type	Off grid
Battery location	Inside Luminaire

Optional functions

CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

IP66 IK09

Dimensional drawing



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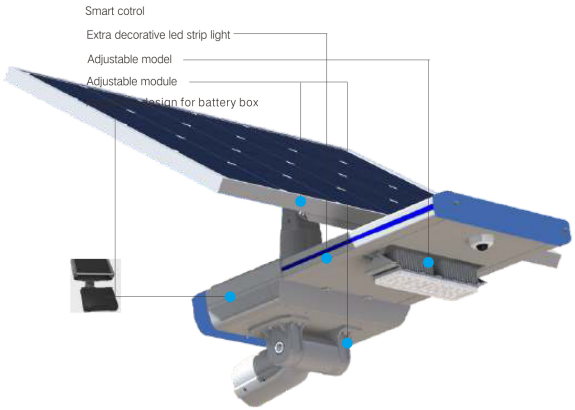
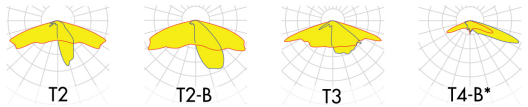


Lighting Distribution Curve



Luminaire LED Solar - VELA

Product data-VELA

Main Features

Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Die-casting Aluminium
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications

Battery type	Lithium iron phosphate battery
Battery capacity (ampere-hour)	>500Wh
Battery voltage	12.8 V
Battery charge and discharge cycles	2000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	110 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	80 W

Management and gradation

with gradation	yes
Configuration possibilities	Configurable

Materials and finishes

Total length	1020 mm
Total width	670 mm
Total height	510 mm
Color	Gray

Standards and recommendations

Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)

Initial luminous flux	>10400 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

Terms of use

Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

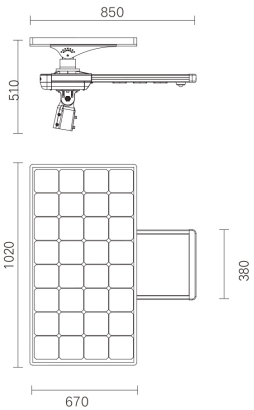
Network connection type	Off grid
Battery location	Inside Luminaire

Optional functions

CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

IP66 IK09

Dimensional drawing



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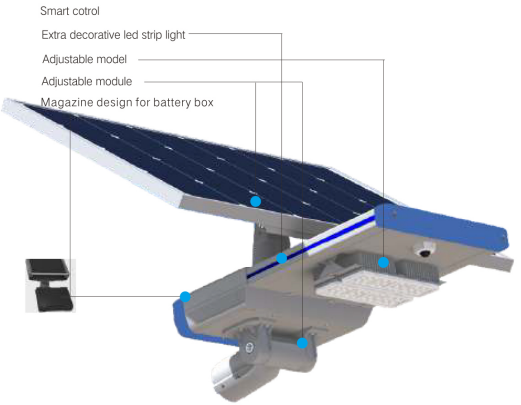
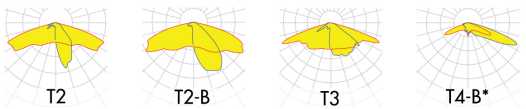


Lighting Distribution Curve



Luminaire LED Solar - VELA

Product data-VELA

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	5 years
Materials	Die-casting Aluminium
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium iron phosphate battery
Battery capacity (ampere-hour)	>690Wh
Battery voltage	25.6 V
Battery charge and discharge cycles	2000
Panel type	Monocrystalline
Panel voltage	18 V
Peak panel intensity	120 W
Type of charge controller	MPPT
Charger efficiency	>90%
Charge controller power	120 W

Management and gradation	
with gradation	yes
Configuration possibilities	Configurable

Materials and finishes	
Total length	1480 mm
Total width	670 mm
Total height	510 mm
Color	Gray

Standards and recommendations	
Protection index code	IP66
Mechanical shock protection code	IK09

Initial Performance (IEC Compliant)	
Initial luminous flux	>15600 lm
Initial proximal color temperature	2700-6500 K
Color rendering index (initial)	>70

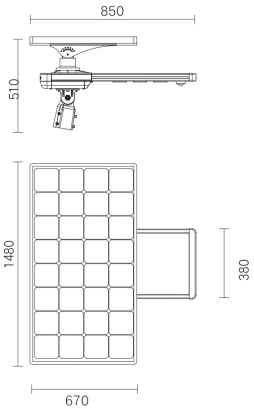
Terms of use	
Ambient temperature range	-20 to +50 °C
Ambient temperature range - load	0 to +45 °C
Ambient temperature range - discharge (when the light is on)	-20 to +50 °C
Autonomy	> 48 h (with fully charged battery)
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30%; Next 3 Hrs - On motion : 60%, without motion :20%;Next 6 Hrs On motion : 30%, without motion :10%； Rest 1 hour: On motion: 50%, without motion :30%

Network connection type	Off grid
Battery location	Inside Luminaire

Optional functions	
CCTV	Yes
Extra decorative led strip light	Yes
Electrc supply	Yes
Adjustable model	Yes

IP66 IK09

Dimensional drawing



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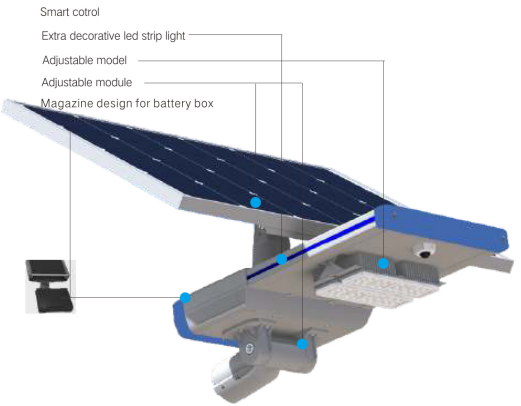
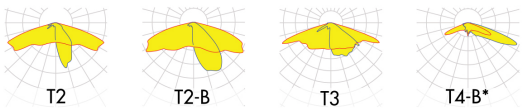


Lighting Distribution Curve



SOLAR LIGHTING SYSTEM

ELETTRICO LIGHTING

Solar Street Lighting

Perfect solutions in street lighting

▶ 1.Economical

Since the sun gives energy without any charge, one can enjoy thirty percent power savings on the electricity bills as well as a long backup lighting system at no running cost.

▶ 2.Non-Polluting

Powered by the renewable energy of the sun, this system is a clean source of illumination.

▶ 3.Hardly No Maintenance

Solar lighting system includes some moveable parts that reduce the danger of breakage. After it is installed, the system lasts for a long span of time and needs negligible attention.

▶ 4.Easy to installation

Solar light fastened to the pole or wall with screws and gasket, IP65 waterproof, which can work in any severe weather.

▶ 5.Induction mode

Starts automatically at dusk, automatically closes at sunrise. It provides more than 24 hours continuously lighting from after full charging at daytime

▶ 6.Safety: electric shock or fire

Due to the low voltage of 12-24V, the solar street lamp has stable voltage, reliable operation and no hidden dangers. It is an ideal product for the ecological community and the road administration department. There are no accidents such as electric shock or fire.

ELETTRICO LIGHTING

Pole Height	6m	8m	10m	12m
Luminaie	40W	60W	80W	100W
LED Chips	Lumileds/ CREE			
Solar panel	Monocrystalline Solar panel			
Battery	Lithium Battery			
Controller	MPPT/PWM/Hybrid controller			
Charging Time	6-8Hs			
Autonomy	> 48 h (with fully charged battery)			

Solar Panel
A GRADE high efficient
Mono: 18% convert efficiency
Poly: 17% convert efiency

Light Fixture
LED Wattage: 60/90/120W
Chips: Lumileds 3030 or 5050
Housing: die casting aluminum

Smart Controller (PWM or MPPT)
Automatic light and time control

Light pole
Material: Q235 steel
Hot dip galvanized, powder coating

Gel battery/ Lithium battery

fully sealed construction
ABS plastic buried battery box
Batteries can be placed underground
or under solar panels(ONLY FOR LITHIUM BATTERY)
3-4 days rainy days back up

Product data-RL-FT

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	3-5 years
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium iron phosphate/ GEL battery
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Type of charge controller	MPPT/PWM
Power	60-120 W
Configuration possibilities	Configurable
Protection index code	IP66
Autonomy	> 48 h (with fully charged battery)

ELETTRICO LIGHTING

Pole Height	6m	8m	10m	12m
Luminaie	40W	60W	80W	100W
LED Chips	Lumileds/ CREE			
Solar panel	Monocrystalline Solar panel			
Battery	Lithium Battery			
Controller	MPPT/PWM/Hybrid controller			
Charging Time	6-8Hs			
Autonomy	> 48 h (with fully charged battery)			

Solar Panel
A GRADE high efficient
Mono: 18% convert efficiency
Poly: 17% convert efiency

Lithium battery
fully sealed construction
Aluminum battery box
under solar panels
3-4 days rainy days back up

Light Fixture
LED Wattage: 60/90/120W
Chips: Lumileds 3030 or 5050
Housing: die casting aluminum

Smart Controller (PWM or MPPT)
Automatic light and time control

Product data-RL-GT

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	3-5 years
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

Electrical Specifications	
Battery type	Lithium iron phosphate/ GEL battery
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Type of charge controller	MPPT/PWM
Power	60-120 W
Configuration possibilities	Configurable
Protection index code	IP66
Autonomy	> 48 h (with fully charged battery)

Integrated Solar Pole

Solar Lighting Soulations

ELETTRICO LIGHTING

Perfect solutions in solar lighting

1.Economical

Since the sun gives energy without any charge, one can enjoy thirty percent power savings on the electricity bills as well as a long backup lighting system at no running cost.

2.Non-Polluting

Powered by the renewable energy of the sun, this system is a clean source of illumination.

3.Hardly No Maintenance

Solar lighting system includes some moveable parts that reduce the danger of breakage. After it is installed, the system lasts for a long span of time and needs negligible attention.

4.Easy to installation

Solar light fastened to the pole or wall with screws and gasket, IP65 waterproof, which can work in any severe weather.

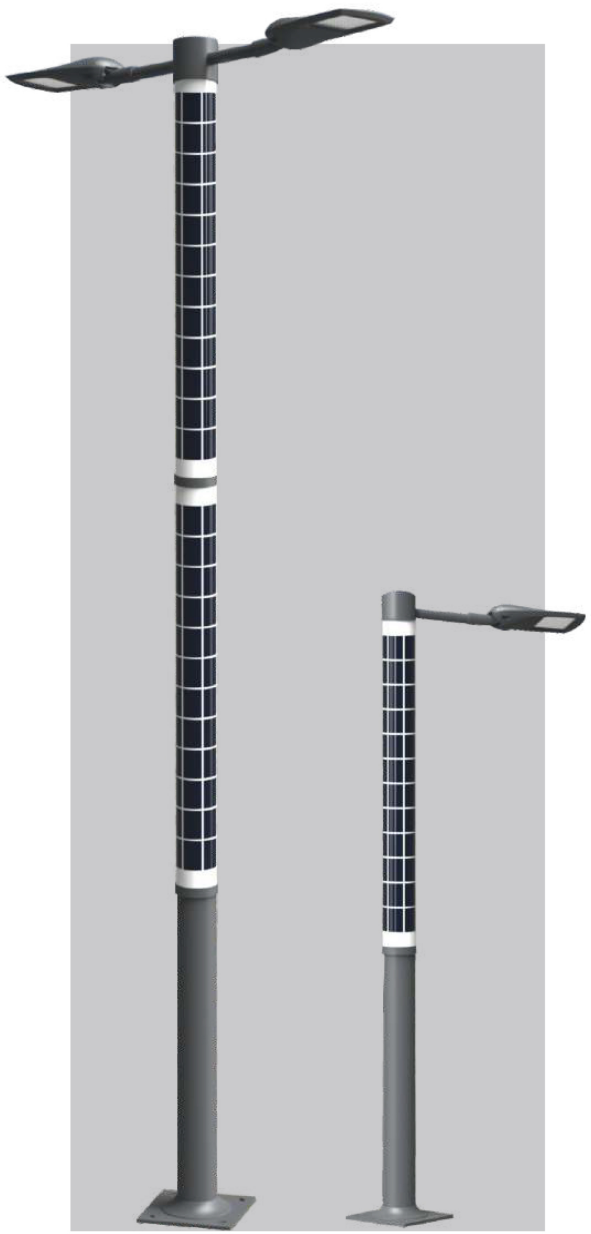
5.Induction mode

Starts automatically at dusk, automatically closes at sunrise. It provides more than 24 hours continuously lighting from after full charging at daytime

6.Safety: electric shock or fire

Due to the low voltage of 12-24V, the solar street lamp has stable voltage, reliable operation and no hidden dangers. It is an ideal product for the ecological community and the road administration department. There are no accidents such as electric shock or fire.

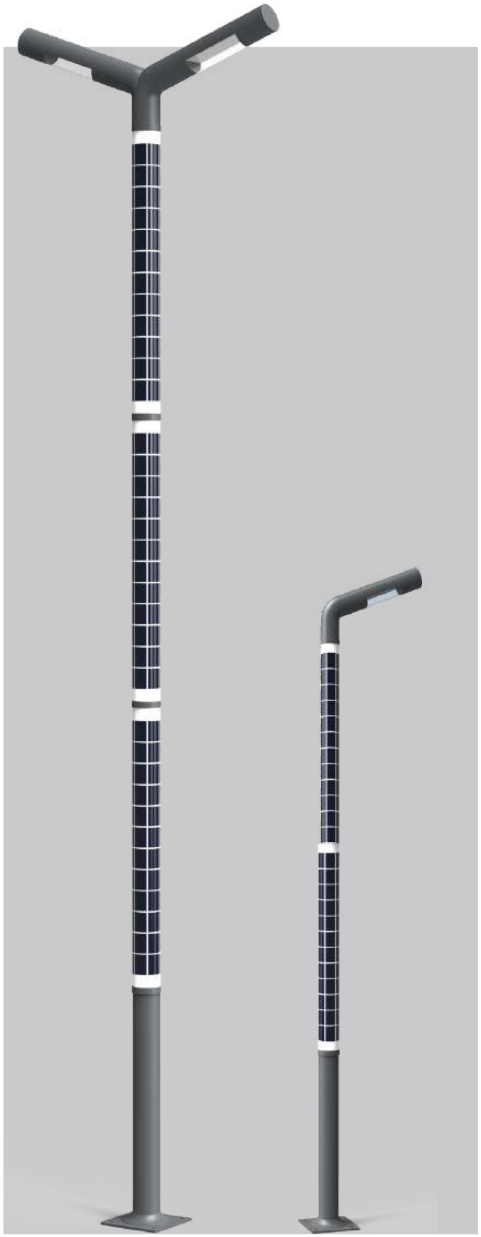
ELETTRICO LIGHTING



Integrated outdoor solar lights with outstanding design. A decorative, award-winning solar light pole for professional architectural outdoor lighting applications such as round, promenades, and boulevards.
100 percent self-sustaining.

General information	pole height	light spot height	diameter	Material
	4-12m	3.8-11.8m	220mm	Aluminum/ Steel
	operating time	days of autonomy	operating temperature	
	8 hrs	2-4 days	-30 up to +60	
Luminary	LED chips type	LED wattage	CRI	
	Lumileds / Osram	20-150W	<75	
	Voltage	lumen	Chips luminous	color temperature
	24/48V	130-140lm/w	>140lm/W	2700-6500k
	operation temperature	lifetime LED	dimmability	on/ off control
	-20 +60	50.000hrs	yes	yes
	light profle			
	n/a			
Solar Module	type	wattage	Voltage	
	Fexible module	120/150W	18/36V	
Battery	type	voltage	capacity	lifetime
	lithium	12.8/25.6VDC	30-60Ah	2000-3000 cycles
	position			
	integrated in pole			
Pole	material	fnish/ color	windload	
	Aluminum/ Steel	oxidation/painted	force 12	
Warranty	pole	solar module	battery	electronic parts
	5 years	20 years	5 years	5 years
Protection and Security	certifcation	ingress protection rating	low battery voltage cut-off	
	CE	IP66/IK09	yes	
	security pole door			
	yes			

ELETTRICO LIGHTING



Integrated outdoor solar lights with outstanding design. A decorative, award-winning solar light pole for professional architectural outdoor lighting applications such as round, promenades, and boulevards.
100 percent self-sustaining.

General information	pole height	light spot height	diameter	Material
	4-12m	3.8-11.8m	220mm	Aluminum/ Steel
	operating time	days of autonomy	operating temperature	
	8 hrs	2-4 days	-30 up to +60	
Luminary	LED chips type	LED wattage	CRI	
	Lumileds / Osram	20-150W	<75	
	Voltage	lumen	Chips luminous	color temperature
	24/48V	130-140lm/w	>140lm/W	2700-6500k
	operation temperature	lifetime LED	dimmability	on/ off control
	-20 +60	50.000hrs	yes	yes
	light profle			
	n/a			
Solar Module	type	wattage	Voltage	
	Fexible module	120/150W	18/36V	
Battery	type	voltage	capacity	lifetime
	lithium	12.8/25.6VDC	30-60Ah	2000-3000 cycles
	position			
	integrated in pole			
Pole	material	fnish/ color	windload	
	Aluminum/ Steel	oxidation/painted	force 12	
Warranty	pole	solar module	battery	electronic parts
	5 years	20 years	5 years	5 years
Protection and Security	certifcation	ingress protection rating	low battery voltage cut-off	
	CE	IP66/IK09	yes	
	security pole door			
	yes			

Integrated Pole Solar - Rainbow

Integrated outdoor solar lights with outstanding design. A decorative, award-winning solar light pole for professional architectural outdoor lighting applications such as round, promenades, and boulevards.
100 percent self-sustaining.

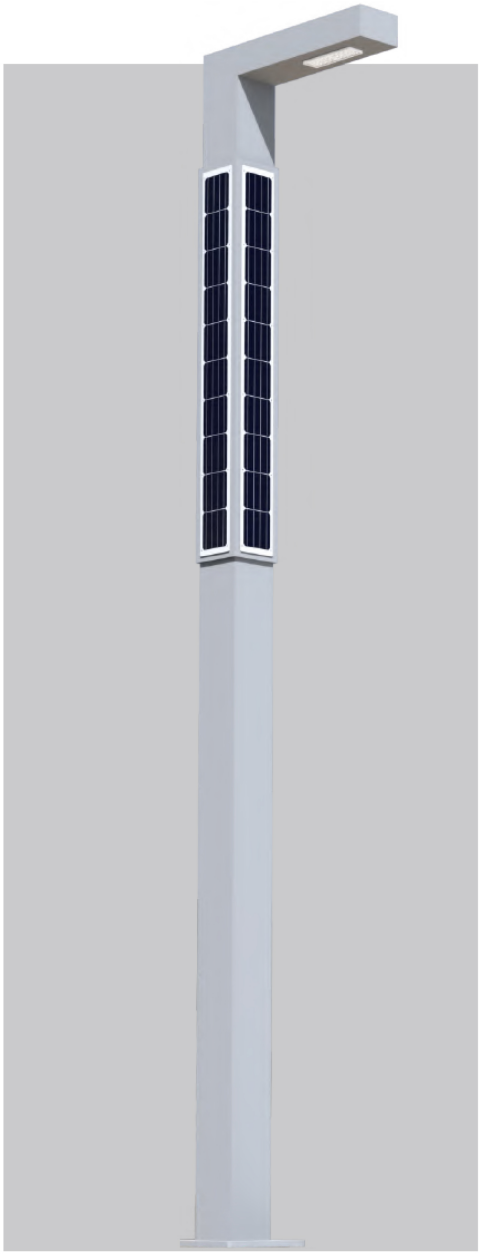
General information	pole height	light spot height	diameter	Material
	3-5m	3-5m	105mm	Aluminum/ Steel
	operating time	days of autonomy	operating temperature	
	8 hrs	2-4 days	-30 up to +60	
Luminary	LED chips type	LED wattage	CRI	
	Lumileds / Osram	20-60W	<75	
	Voltage	lumen	Chips luminous	color temperature
	24/48V	130-140lm/w	>140lm/W	2700-6500k
	operation temperature	lifetime LED	dimmability	on/ off control
	-20 +60	50.000hrs	yes	yes
	light profle			
	n/a			
Solar Module	type	wattage	Voltage	
	Fexible module	120/150W	18/36V	
Battery	type	voltage	capacity	lifetime
	lithium	12.8/25.6VDC	30-60Ah	2000-3000 cycles
	position			
	integrated in pole			
Pole	material	fnish/ color	windload	
	Aluminum/ Steel	oxidation/painted	force 12	
Warranty	pole	solar module	battery	electronic parts
	5 years	20 years	5 years	5 years
Protection and Security	certifcation	ingress protection rating	low battery voltage cut-off	
	CE	IP66/IK09	yes	
	security pole door			
	yes			

Integrated Pole Solar - Square

Integrated outdoor solar lights with outstanding design. A decorative, award-winning solar light pole for professional architectural outdoor lighting applications such as square, promenades, and boulevards.
100 percent self-sustaining.

General information	pole height	light spot height	diameter	Material
	4-12m	3.8-11.8m	220mm	Steel
	operating time	days of autonomy	operating temperature	
	8 hrs	2-4 days	-30 up to +60	
Luminary	LED chips type	LED wattage	CRI	
	Lumileds / Osram	20-150W	<75	
	Voltage	lumen	Chips luminous	color temperature
	24/48V	130-140lm/w	>140lm/W	2700-6500k
	operation temperature	lifetime LED	dimmability	on/ off control
	-20 +60	50.000hrs	yes	yes
	light profle			
	n/a			
Solar Module	type	wattage	Voltage	
	Fexible module	120/150W	18/36V	
Battery	type	voltage	capacity	lifetime
	lithium	12.8/25.6VDC	30-60Ah	2000-3000 cycles
	position			
	integrated in pole			
Pole	material	fnish/ color	windload	
	Steel	painted	force 12	
Warranty	pole	solar module	battery	electronic parts
	5 years	20 years	5 years	5 years
Protection and Security	certifcation	ingress protection rating	low battery voltage cut-off	
	CE	IP66/IK09	yes	
	security pole door			
	yes			

ELETTRICO LIGHTING



Integrated outdoor solar lights with outstanding design. A decorative, award-winning solar light pole for professional architectural outdoor lighting applications such as square, promenades, and boulevards.
100 percent self-sustaining.

IP67

General information	pole height	light spot height	diameter	Material
	4-8m	3.8-7.8m	180mm	Steel
	operating time	days of autonomy	operating temperature	
	8 hrs	2-4 days	-30 up to +60	
Luminary	LED chips type	LED wattage	CRI	
	Lumileds / Osram	20-80W	<75	
	Voltage	lumen	Chips luminous	color temperature
	24/48V	130-140lm/w	>140lm/W	2700-6500k
	operation temperature	lifetime LED	dimmability	on/ off control
	-20 +60	50.000hrs	yes	yes
	light profle			
	n/a			
Solar Module	type	wattage	Voltage	
	Fexible module	120/150W	18/36V	
Battery	type	voltage	capacity	lifetime
	lithium	12.8/25.6VDC	30-60Ah	2000-3000 cycles
	position			
	integrated in pole			
Pole	material	fnish/ color	windload	
	Steel	painted	force 12	
Warranty	pole	solar module	battery	electronic parts
	5 years	20 years	5 years	5 years
Protection and Security	certifcation	ingress protection rating	low battery voltage cut-off	
	CE	IP66/IK09	yes	
	security pole door			
	yes			

Integrated Pole Solar - Module

Integrated outdoor solar lights with outstanding design. A decorative, award-winning solar light pole for professional architectural outdoor lighting applications such as module, promenades, and boulevards.
100 percent self-sustaining.(A good design to remold normal pole to solar pole)

General information	pole height	light spot height	diameter	Material
	4-12m	3.8-11.8m	220mm	Aluminum/ Steel
	operating time	days of autonomy	operating temperature	
	8 hrs	2-4 days	-30 up to +60	
Luminary	LED chips type	LED wattage	CRI	
	Lumileds / Osram	20-150W	<75	
	Voltage	lumen	Chips luminous	color temperature
	24/48V	130-140lm/w	>140lm/W	2700-6500k
	operation temperature	lifetime LED	dimmability	on/ off control
	-20 +60	50.000hrs	yes	yes
	light profle			
	n/a			
Solar Module	type	wattage	Voltage	
	Fexible module	120/150W	18/36V	
Battery	type	voltage	capacity	lifetime
	lithium	12.8/25.6VDC	30-60Ah	2000-3000 cycles
	position			
	integrated in pole			
Pole	material	fnish/ color	windload	
	Aluminum/ Steel	oxidation/painted	force 12	
Warranty	pole	solar module	battery	electronic parts
	5 years	20 years	5 years	5 years
Protection and Security	certifcation	ingress protection rating	low battery voltage cut-off	
	CE	IP66/IK09	yes	
	security pole door			
	yes			

Solar Garden light

Solar Lighting Soulations

Perfect solutions in solar lighting

1.Economical

Since the sun gives energy without any charge, one can enjoy thirty percent power savings on the electricity bills as well as a long backup lighting system at no running cost.

2.Non-Polluting

Powered by the renewable energy of the sun, this system is a clean source of illumination.

3.Hardly No Maintenance

Solar lighting system includes some moveable parts that reduce the danger of breakage. After it is installed, the system lasts for a long span of time and needs negligible attention.

4.Easy to installation

Solar light fastened to the pole or wall with screws and gasket, IP65 waterproof, which can work in any severe weather.

5.Induction mode

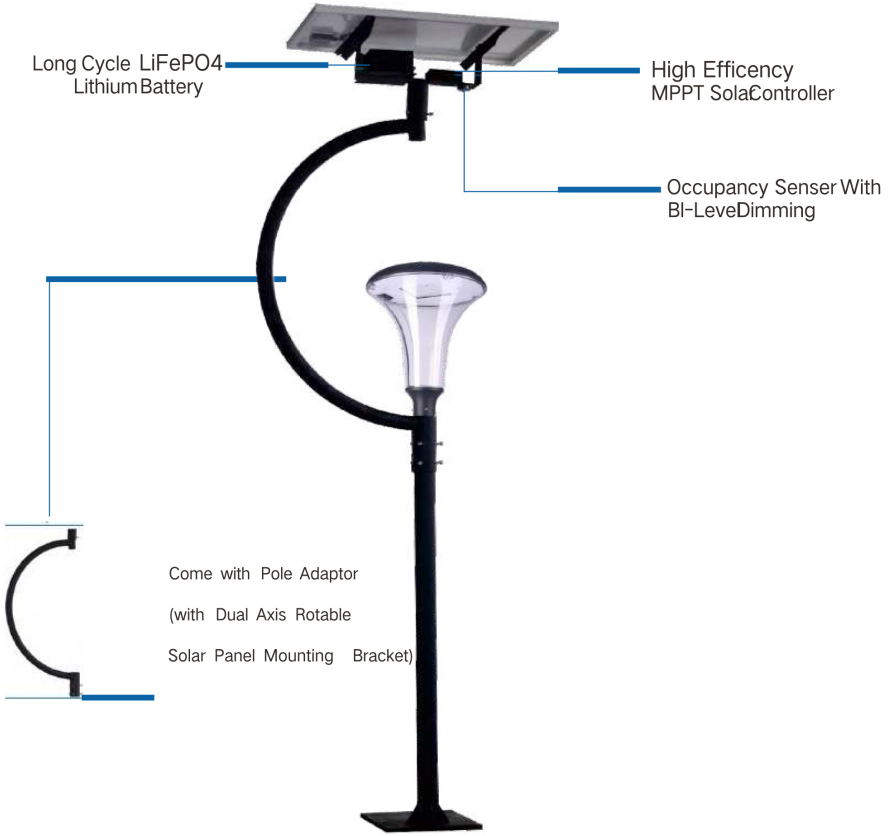
Starts automatically at dusk, automatically closes at sunrise. It provides more than 24 hours continuously lighting from after full charging at daytime

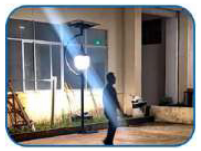
6.Safety: electric shock or fire

Due to the low voltage of 12-24V, the solar street lamp has stable voltage, reliable operation and no hidden dangers. It is an ideal product for the ecological community and the road administration department. There are no accidents such as electric shock or fire.

ELETTRICO LIGHTING

Solar Post Top Light Series





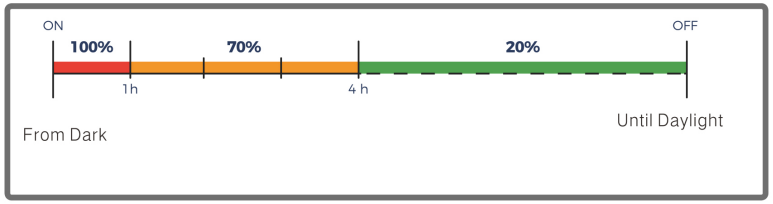
Product data

Main Features	
Optical cover / lens type	Polycarbonate
Command interface	IR remote control
Guarantee	3-5 years
Dimmable	Yes
Automatic Dusk to dawn detection	Yes

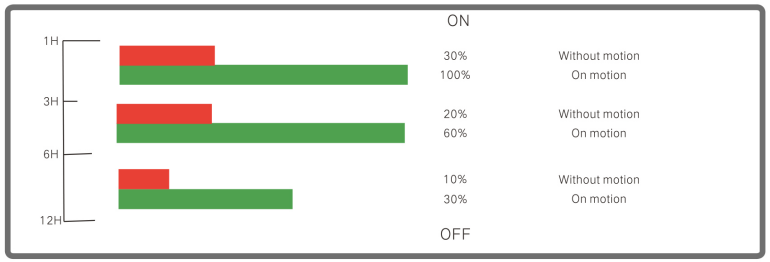
Electrical Specifications	
Battery type	Lithium iron phosphate/ GEL battery
Battery charge and discharge cycles	2000-3000
Panel type	Monocrystalline
Type of charge controller	MPPT/PWM
Power	40-100 W
Configuration possibilities	Configurable
Protection index code	IP66
Autonomy	> 48 h (with fully charged battery)

OPERATING MODE

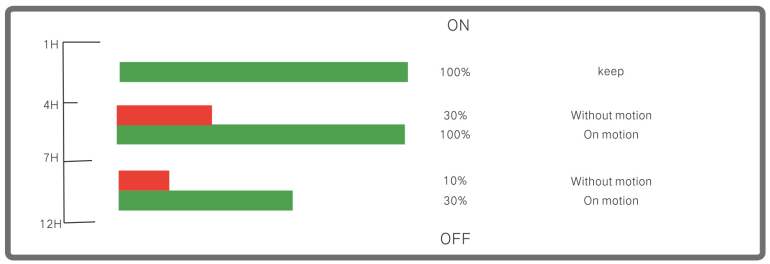
1.) Intelligent operate mode: 100% power in 1 hour, 70% power in 3 hours, 20% power until daylight

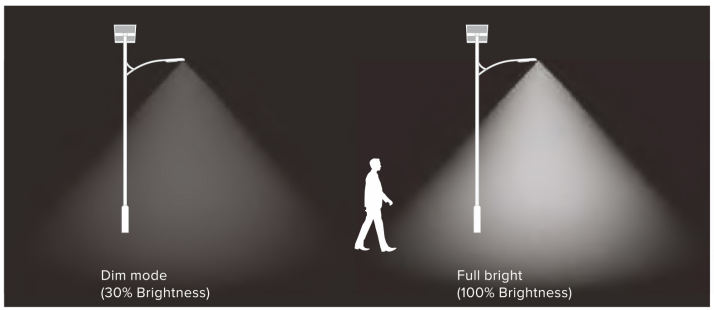


2.) Intelligent sensor: as per below(can be customized)



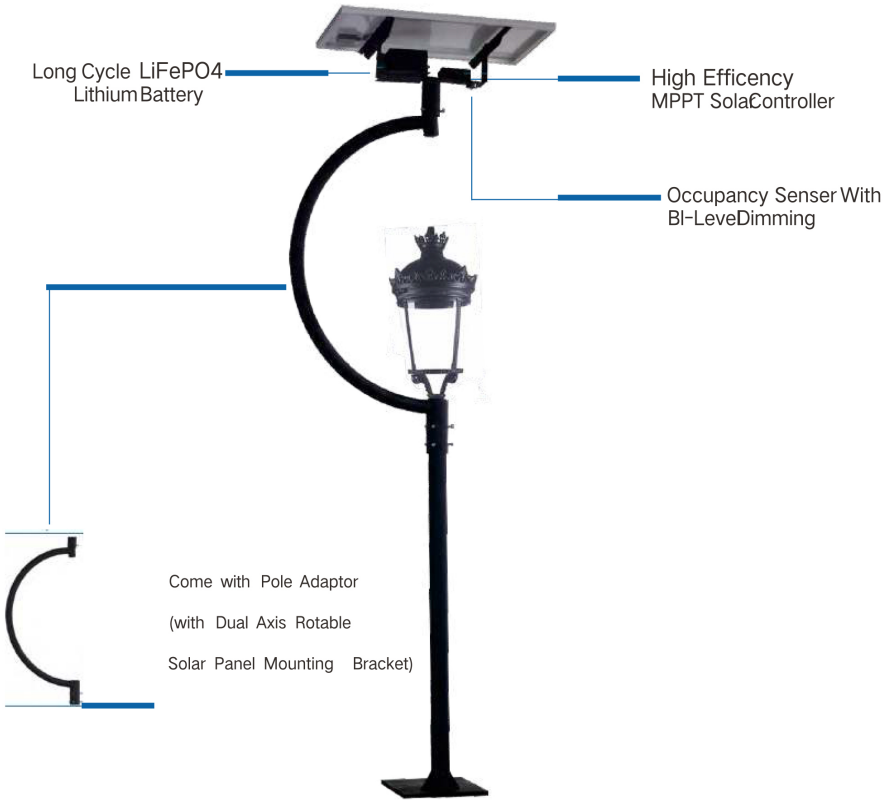
3.) Time control and Sensor control: as per below(can be customized)

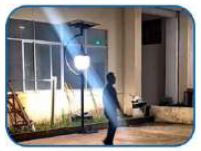




ELETTRICO LIGHTING

Solar Post Top Light Series





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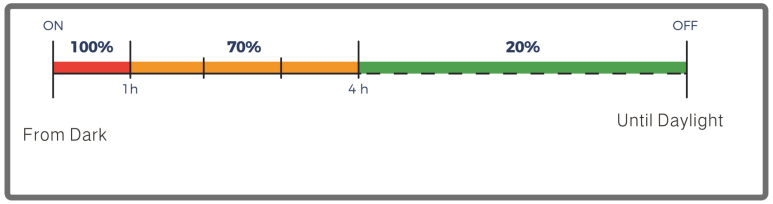

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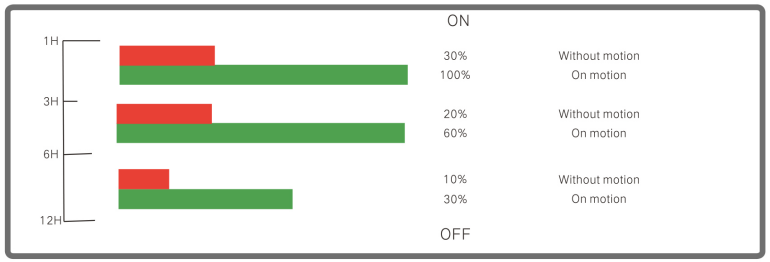

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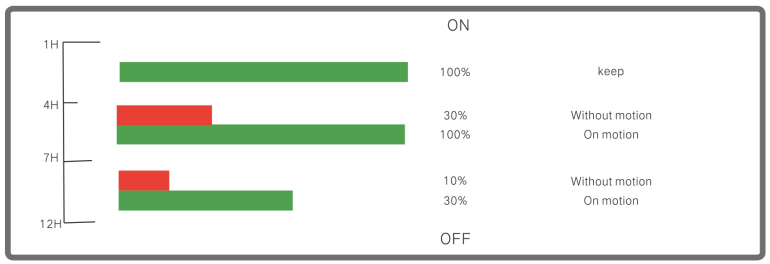
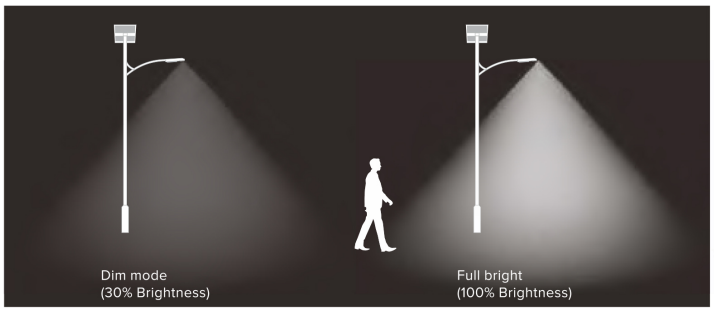
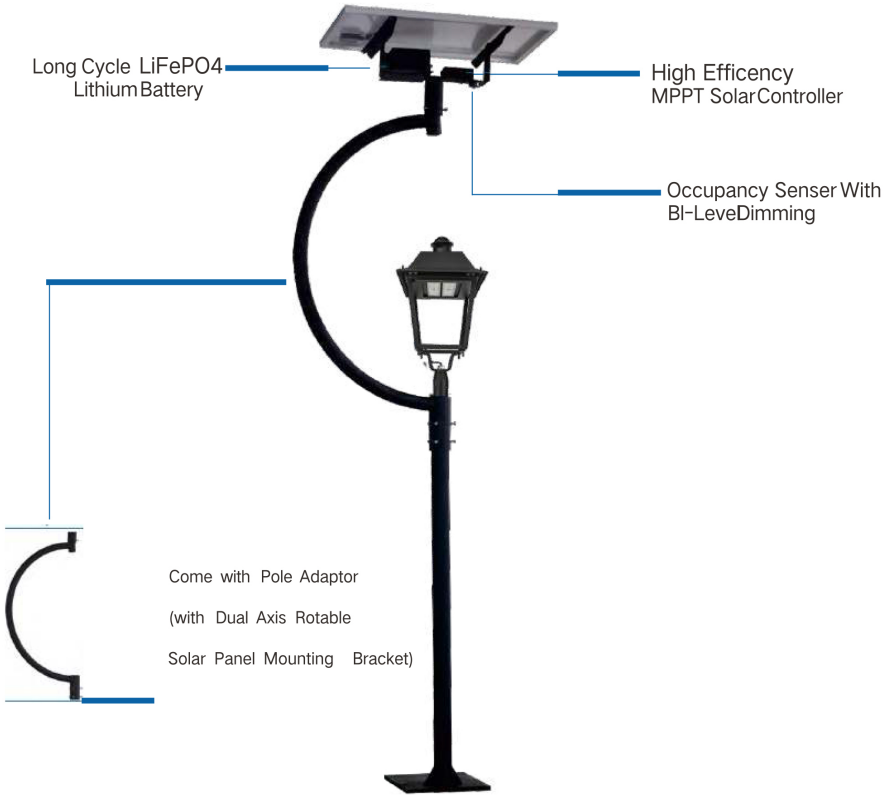
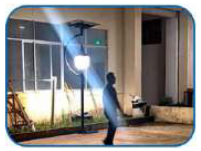




ELETTRICO LIGHTING

Solar Post Top Light Series





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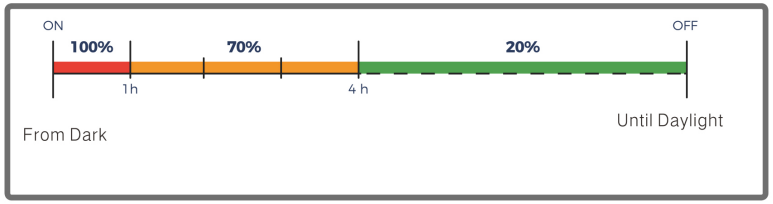

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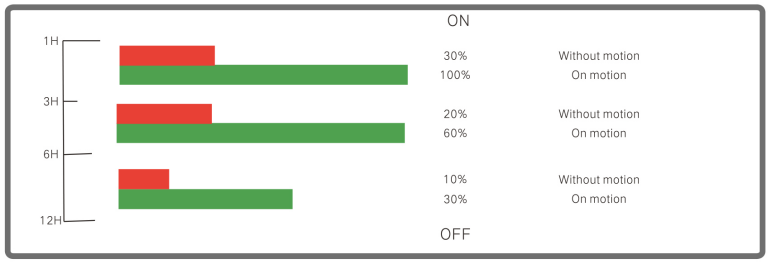

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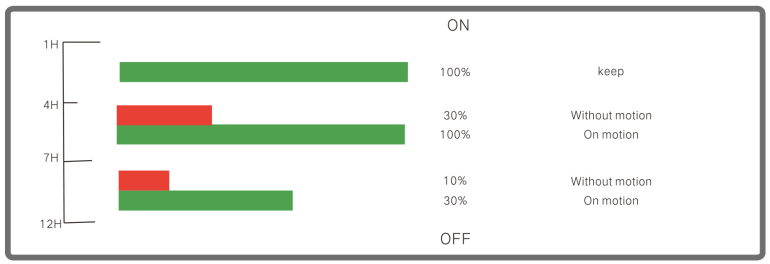
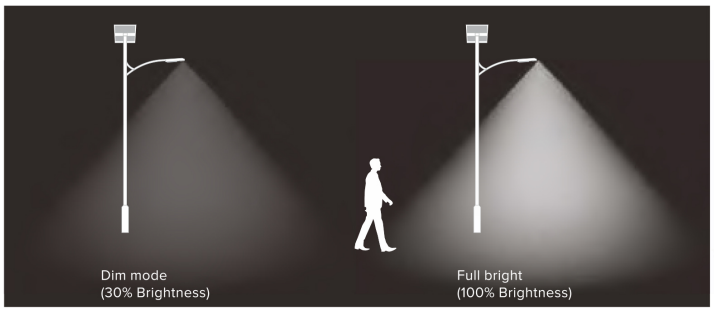




Solar Bollard

Solar Decorative Lighting Soulations

Perfect solutions in solar lighting

1.Economical

Since the sun gives energy without any charge, one can enjoy thirty percent power savings on the electricity bills as well as a long backup lighting system at no running cost.

2.Non-Polluting

Powered by the renewable energy of the sun, this system is a clean source of illumination.

3.Hardly No Maintenance

Solar lighting system includes some moveable parts that reduce the danger of breakage. After it is installed, the system lasts for a long span of time and needs negligible attention.

4.Easy to installation

Solar light fastened to the pole or wall with screws and gasket, IP65 waterproof, which can work in any severe weather.

5.Induction mode

Starts automatically at dusk, automatically closes at sunrise. It provides more than 24 hours continuously lighting from after full charging at daytime

6.Safety: electric shock or fire

Due to the low voltage of 12-24V, the solar street lamp has stable voltage, reliable operation and no hidden dangers. It is an ideal product for the ecological community and the road administration department. There are no accidents such as electric shock or fire.

Specification Sheet

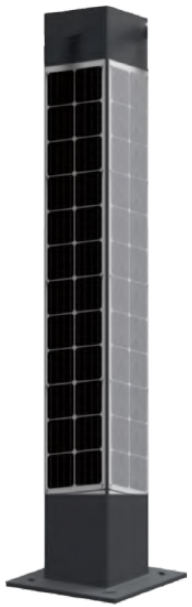
Item Number	SCP-01
Control Method	Automatic ON/OFF
Solar Panel	Mono
Battery Capacity	Lithium battery
Charging Time	5 hours
Autonomy	2 days
Battery Autonomy	>24 hours
Working Temp.	-15 ~ +70
Waterproof Rating	IP65
Housing Material	Aluminium
Finishing	Black / Satin Chrome / Customized

Specification Sheet

Item Number	SCP-02
Control Method	Automatic ON/OFF
Solar Panel	Mono
Battery Capacity	Lithium battery
Charging Time	5 hours
Autonomy	2 days
Battery Autonomy	>24 hours
Working Temp.	-15 ~ +70
Waterproof Rating	IP65
Housing Material	Aluminium
Finishing	Black / Satin Chrome / Customized

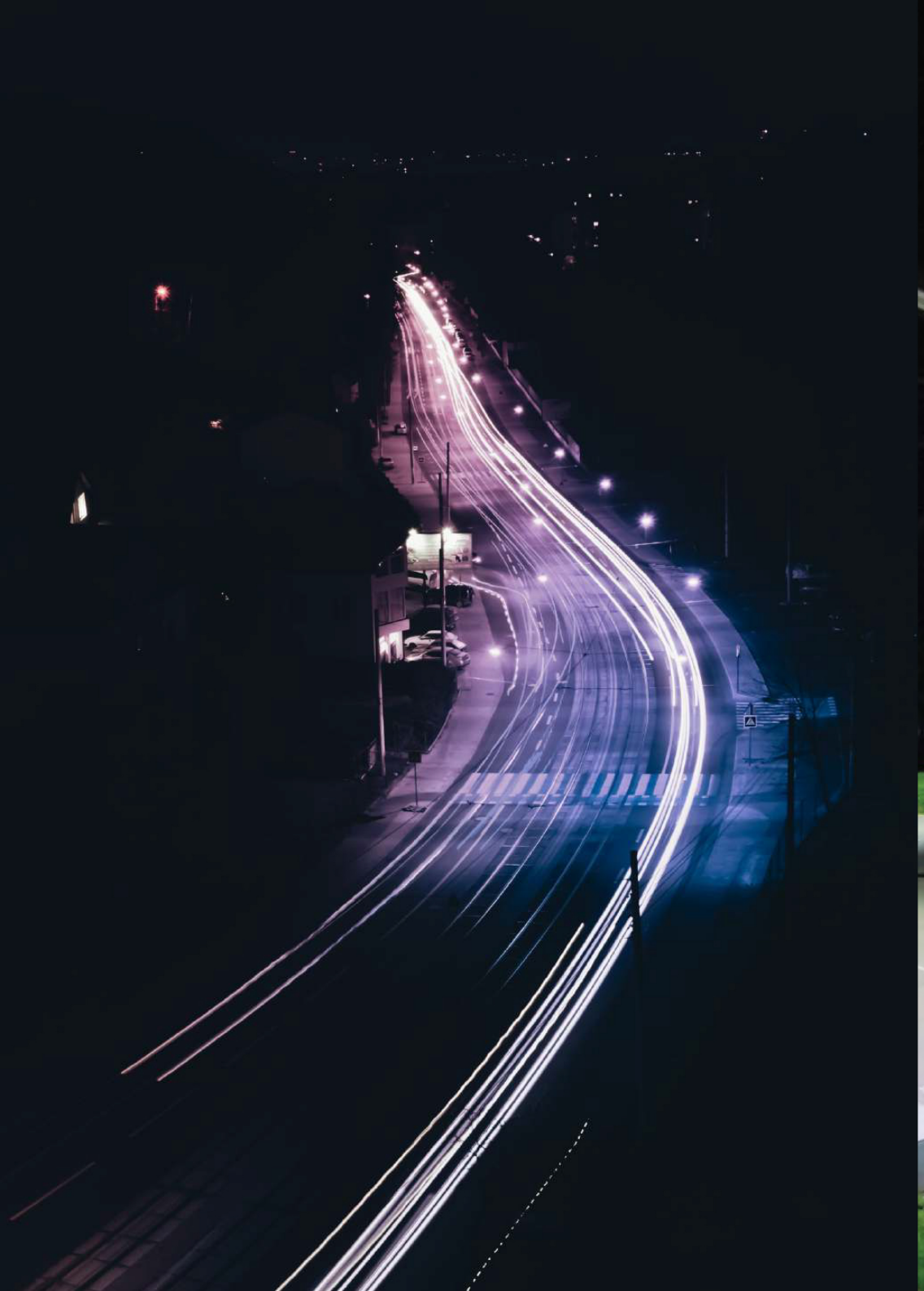
Specification Sheet

Item Number	SCP-03
Control Method	Automatic ON/OFF
Solar Panel	Mono
Battery Capacity	Lithium battery
Charging Time	5 hours
Autonomy	2 days
Battery Autonomy	>24 hours
Working Temp.	-15 ~ +70
Waterproof Rating	IP65
Housing Material	Aluminium
Finishing	Black / Satin Chrome / Customized



Specification Sheet

Item Number	SCP-04
Control Method	Automatic ON/OFF
Solar Panel	Mono
Battery Capacity	Lithium battery
Charging Time	5 hours
Autonomy	2 days
Battery Autonomy	>24 hours
Working Temp.	-15 ~ +70
Waterproof Rating	IP65
Housing Material	Aluminium
Finishing	Black / Satin Chrome / Customized



ELETTRICO
LIGHTING

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Solar

Lighting solutions