

Solar Park Pole Lights and Pedestrian Lighting



Solar LED Floodlight with Pole and IR motion sensor



Solar powered led light fixture with 4m pole and PIR detector. Made in Germany. Lighting on demand.
LT-SOL-AP1

Adjustable LED projector with pure-aluminium reflector for high light output. The light intensity is comparable to 200 watt halogen light. High quality monocrystalline solar-module 20W (Protected against wind, dirt and snow) aprx. 20 years lifespan.

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

With movement detector. The light starts only during darkness and if anybody enters the detection area.

Battery: Special solar gel accumulator 12 volt, long life time: 5-8 years. With electronic charge and system controller for optimized battery charging and extended battery life.

Controller: Automatic Stand-By function by the light sensor at dawn.

PIR Sensor: Adjustable presence detector, detection area of 12m.

Lighting duration adjustable from 10 sec. - 10 min.

Daily lighting periods:

400 lamp starts for 2 minutes or 180 illuminations for 5 minutes.

(Optionally available with extended lighting time or for continuous operation.)

Lighting distance aprx. 20m.

Total height 440cm

Pole: Galvanized steel Ø 60mm, height 3 meter + earth end 600mm for concreting, (optionally additionally powder coated or with floor mounting plate for bolting).

Vandalism-proof. With service door (special tool required).

Protection IP44, class II.

Alternative version is available with LED for continuous lighting, without presence detector.

Weight: 50 kg

PV Solar Street Lights for Central European Countries



Solar Floodlight LED on demand 70W with pole



Photovoltaic area light fixture switchable 70w power LED and 5m post for sport place, riding range, building site, maintenance applications. Made in Germany.
LT-SOL-AP4

Robust photovoltaic area lighting with LED lamp - no power supply required. High brightness - The brightness is comparable to 600 watt halogen light. With a switch, the lighting is switched on as needed. The shutdown takes place automatically after 1 or 2 hours with an adjustable timer.

So turning off will not be forgotten and the battery is not deep discharge. The galvanized steel pole and the whole structure is so robust that contrast Kicking is futile. The LED floodlight is rotatable and pivotable.

All functions are pre-programmed charge on the project and customer requirements from us, so that the lamp is ready for use immediately after construction.

Solar module (without extension): monocrystalline silicon 120W with very high efficiency (tempered safety glass, hail-resistant), about 25 years of life expectancy.

This high-quality module technology allows charging also on cloudy days. All attachments and fasteners are galvanized or provided with a scratch-resistant and UV-resistant paint in a shade of gray.

The screws are made from stainless VA steel.

Robust LED luminaire head of diecast aluminum with high protection (water and storm protected).

The solar lamp is maintenance-free - (only the solar module should be cleaned occasionally with water).

Technical specifications:

LED Lamp: Power LED 70W Chipset

LED lifetime about 40,000 hours

Energy Class A +++

Luminous flux:> 6900 Lm

Light color 4000K cool white

Illuminated area: Ca. 25 x 10m

Mast height: 5 m

Autonomous operating time in overcast weather (with fully charged battery):

a) basic version: 20 hours

b) with extension kit autumn: 25 hours

c) with extension kit winter: 34 hours

For adequate reliability in autumn or winter, we strongly recommend our expansion sets.

Ambient temperature: -25 ° C ~ + 50 ° C (extension possible on request)

Solar battery: Lead gel 12V, maintenance-free, long life. Life is about 10 years / 20 ° C

Temperature-optimized battery-charge and trickle charge to protect the batteries.

Overvoltage and deep discharge protection for the battery.

Reverse polarity and short circuit protection.

Protection lamp head: IP66

Protection battery box: IP66

Protection Light Control: IP67

Protection class: III Safety extra low voltage

Approvals: CE, RoHS, WEEE

Supplied flat pack with the following components:

LED lamp head with pole mounting,

High power solar battery,

Solar module with stable, screw-pole mounting,

Galvanized steel mast, height 5 meters + anch. section 800mm for concreting,

Microprocessor control lights (located conveniently accessible behind a lockable door in the mast).

Robust battery ground mounting box made of ABS, watertight, walkable, dimensions 550 x 550 x 480mm.

Illustrated assembly instructions in German or English. Other languages ??on request.

All components are pre-wired and ready for fast assembly.

20 years availability guarantee for spare parts.

The ready-lamp is delivered disassembled, complete with solar panel, mast, battery and lamp.

Weight: 132 kg



Solar parking lot lighting LED



Photovoltaic light fixture with 30w power LED and 5m post. Made in Germany. LT-SOL-P3

Robust photovoltaic parking lot lighting with LED lamp - no power supply required.

High brightness - comparable to 300 watt halogen light.

The lighting is switched on via a motion detector.

Switching off after a few minutes with an adjustable timer.

The galvanized steel pole and the whole structure is so robust that kicking is futile.

Available with 1 or 2 adjustable LED floodlights.

All functions are pre-programmed charge on the project and customer requirements from us, so that the lamp is ready for use immediately after construction.

Solar module (without extension): monocrystalline silicon 60W with very high efficiency (tempered safety glass, hail-resistant), about 25 years of life expectancy.

This high-quality module technology allows charging also on cloudy days.

All attachments and fasteners are galvanized or provided with a scratch-resistant and UV-resistant paint in a shade of gray.

The screws are made from stainless VA steel.

Robust LED luminaire head of diecast aluminum with high protection (water and storm protected).

The solar lamp is maintenance-free - (only the solar module should be cleaned occasionally with water).

Technical specifications:

LED Lamp: Power LED 30W Chipset

LED lifetime about 40,000 hours

Energy Class A +++

Luminous flux: > 2900 Lm

Light color 4000K cool white

Illuminated area: Aprx.. 25 x 10m

Mast height: 5 m

Autonomous operating time in overcast weather (with fully charged battery):

a) basic version: 20 hours

b) with extension kit autumn: 25 hours

c) with extension kit winter: 34 hours

For adequate reliability in autumn or winter, we strongly recommend our expansion sets.

Ambient temperature: -25 ° C ~ + 50 ° C (extension possible on request)

Solar battery: Lead gel 12V, maintenance-free, long life. Life is about 10 years / 20 ° C

Temperature-optimized battery-charge and trickle charge to protect the batteries.

Overvoltage and deep discharge protection for the battery.

Reverse polarity and short circuit protection.

Protection lamp head: IP66

Protection battery box: IP66

Protection Light Control: IP67

Protection class: III Safety extra low voltage

Approvals: CE, RoHS, WEEE

Supplied flat pack with the following components:

LED lamp head with pole mounting,

High power solar battery,

Solar module with stable, screw-pole mounting,

Galvanized steel mast, height 5 meters + anch.section 800mm for concreting,

Microprocessor control lights (located conveniently accessible behind a lockable door in the mast).

Robust battery ground mounting box made of ABS, watertight, walkable, dimensions 410 x 410 x 450mm.

Illustrated assembly instructions in German or English. Other languages ??on request.

All components are pre-wired and ready for fast assembly.

20 years availability guarantee for spare parts.

The ready-lamp is delivered disassembled, complete with solar panel, mast, battery and lamp.

Weight: 132 kg



Solar parking lot lighting LED Double Sided



Photovoltaic light fixture with 2 power LED lamps and 5m post with IR sensor.
Made in Germany.
LT-SOL-P4

Robust photovoltaic parking lot lighting with LED lamp - no power supply required.

High brightness - comparable to 600 watt halogen light.

The lighting is switched on via a motion detector.

Switching off after a few minutes with an adjustable timer.

The galvanized steel pole and the whole structure is so robust that kicking is futile.

Available with 1 or 2 adjustable LED floodlights.

All functions are pre-programmed charge on the project and customer requirements from us, so that the lamp is ready for use immediately after construction.

Solar module (without extension): monocrystalline silicon 120W with very high efficiency (tempered safety glass, hail-resistant), about 25 years of life expectancy.

This high-quality module technology allows charging also on cloudy days.

All attachments and fasteners are galvanized or provided with a scratch-resistant and UV-resistant paint in a shade of gray.

The screws are made from stainless VA steel.

Robust LED luminaire head of diecast aluminum with high protection (water and storm protected).

The solar lamp is maintenance-free - (only the solar module should be cleaned occasionally with water).

Technical specifications:

LED Lamp: Power LED 2*30W or 1*70W Chipset

LED lifetime about 40,000 hours

Energy Class A +++

Luminous flux: 2*2900 Lm or 1*6900 Lm

Light color 4000K cool white

Illuminated area: Aprx.. 25 x 10m

Mast height: 5 m

Autonomous operating time in overcast weather (with fully charged battery):

a) basic version: 20 hours

b) with extension kit autumn: 25 hours

c) with extension kit winter: 34 hours

For adequate reliability in autumn or winter, we strongly recommend our expansion sets.

Ambient temperature: -25 ° C ~ + 50 ° C (extension possible on request)

Solar battery: Lead gel 12V, maintenance-free, long life. Life is about 10 years / 20 ° C

Temperature-optimized battery-charge and trickle charge to protect the batteries.

Overvoltage and deep discharge protection for the battery.

Reverse polarity and short circuit protection.

Protection lamp head: IP66

Protection battery box: IP66

Protection Light Control: IP67

Protection class: III Safety extra low voltage

Approvals: CE, RoHS, WEEE

Supplied flat pack with the following components:

LED lamp head with pole mounting,

High power solar battery,

Solar module with stable, screw-pole mounting,

Galvanized steel mast, height 5 meters + anch.section 800mm for concreting,

Microprocessor control lights (located conveniently accessible behind a lockable door in the mast).

Robust battery ground mounting box made of ABS, watertight, walkable, dimensions 550 x 550 x 480mm.

Illustrated assembly instructions in German or English. Other languages ??on request.

All components are pre-wired and ready for fast assembly.

20 years availability guarantee for spare parts.

The ready-lamp is delivered disassembled, complete with solar panel, mast, battery and lamp.

Weight: 132 kg

Solar Park Pole Lights and Pedestrian Lighting



LED SOLAR Park Pole Light RING



One of the best designed solar powered street lighting fixture for public gardens. Made in Germany.
LT-SOL-RING

Light source power LED.

Brightness 600 lm = 60 watt incandescent.

High quality monocrystalline solar-module (protected against wind, dirt and snow) aprx. 25 years lifetime.

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

Longlife power AGM battery DC12V, maintenance-free. Life time: 5-8 years. Microprocessor control unit with solar power input regulator for optimized battery charging and extended battery life.

Overvoltage and deep discharge protection for the storage battery.

Event memory to read out informations for your computer.

Programmable light control for switching on and off, depending on dawn or time or with midnight-brake.

Material of lamp structure: Stainless steel, lamp shade glass.

Technical datas:

Daily operation at cloudy weather: 5 days (Autarkic running hours 60 h at full charged battery).

Ambient temperature: -30 deg C ~ +40 deg C (on request -70 deg C ... +85 deg C)

Pole material: Galvanized steel (on request with additional scratch-proof painting).

Total height 400 cm

Protection degree: IP54

MOQ 2 pcs. (production on demand).

Weight: 55 kg



LED SOLAR Park Pole Light Big RING



The nice designed solar street lighting fixture with more power. For public garden or cycle track. Made in Germany.
LT-SOL-RING2

Stable, stormproof and weatherproof street lighting lamp with longlife LED, for pedestrian precinct, bike path, parking, footpath etc.
High brightness corresponds to 150 watt incandescent light.
Recommended for sunny regions, like Africa, desert countries, South America, Philippines.
No electrical grid required.
Very long maintenance-free system lifespan, by quality LED, electronic 12V PWM driver and microcontroller system control.
Automatic lamp start at sunset and turn-off by dawn.
Automatic dimming function at late night (midnight) or at low battery charge, for more safety at low battery capacity.
All functions are free pre-programmed to your specifications, so that the lights are ready for operation immediately after installation.
High quality monocrystalline solar-module (protected against dirt, snow or sandstorm) aprx. 25 years lifetime.
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
The solar light is maintenance free - (only the solar panel should be cleaned occasionally with water).

Technical specifications:

LED Lamp: SMD LED chip Osram 15W
Luminous flux: 1400 Lm
Light colour: 4000K pure white (on request also 3000K warm white).
Lighted area: aprx. 12 x 12m
Distance from pole to pole: aprx. 18 - 25 meter
Total height: 5m
Autonomy 20 days (each 10h) at cloudy weather
Autonomy 5 days (max. 60 h) at absolutely no sunshine
Ambient temperature: -30°C ~ +50°C
Max. direct sunshine temperature: 80° C / 171 F degree
Battery: Lead gel 12V, maintenance-free, longlife. Lifetime about 10 Years / 20°C
Temperature feeded battery charging for extended battery life.
Overcharge and deep-discharge protection for the battery.
Reverse polarity and short circuit protection.
Protection grade of lighting head: IP44
Protection grade of battery box: IP67

Material:

Structure and brackets are surfaced with a grey, scratchproof 2-layers UV-resistant coating.
The screws consist of stainless steel.
Lamp: Stainless steel, lamp shade glass.
Pole: Galvanized steel (on request with additional scratch-proof painting).

Including following components:

LED light fixture with ring and pole mount bracket.
High-power longlife Solar Gel Battery,
Solar module with frame and bracket for adjustable top-mount.
Programmable Processor charge controller.
Recessed battery box for waterproof inground installation,
Manual for easy mechanical and electrical setup in english language. Other languages on request.
Complete pre-wired unit including pole.
20 years spareparts availability guarantee.
MOQ 4 pcs. (production on demand).
Weight: 75 kg



Solar LED Floodlight with Pole and IR motion sensor



Solar powered led spot light fixture with PIR detector and 3 meter pole. Made in Germany.
LT-SOL-SMINI

Adjustable LED projector with the brightness of about 50 watt halogen light. High quality monocrystalline solar-module 10W (Protected against wind, dirt and snow) aprx. 20 years lifespan.

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

With ir movement detector. The light starts only during darkness and if anybody enters the detection area.

Battery: Special solar gel accumulator 12 volt, long life time: 5-8 years.

With electronic charge and system controler for optimated battery charging and extended battery life.

Controller: Automatic Stand-By function by the light sensor at dawn.

PIR Sensor: Adjustable presence detector, detection area of 10m.

Lighting duration adjustable from 10 sec. - 10 min.

Lighting periods:

400 lamp starts for 2 minutes or 180 illuminations for 5 minutes at fully charged battery.

Lighting distance aprx. 12m.

Total height: 320cm

Pole: Galvanized steel Ø 60mm, height 3 meter + earth end 600mm for concreting,

(optionally additionally powder coated or with floor mounting plate for bolting).

Vandalism-proof. With service door (special tool required).

Protection IP44, class II.

Weight: 45 kg

Lighting for container and accomodations



Solar LED Floodlight with Pole and IR motion sensor



Solar powered LED light fixture with post and PIR detector on 3 meter pole. Made in Germany.
LT-SOL-SPOT

Adjustable LED floodlight with the brightness of about 100 watt halogen light. High quality monocrystalline solar-module 20W (Protected against wind, dirt and snow) aprx. 20 years lifespan.

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

With ir movement detector. The light starts only during darkness and if anybody enters the detection area.

Battery: Special solar gel accumulator 12 volt, long life time: 5-8 years.

With electronic charge and system controler for optimated battery charging and extended battery life.

Controller: Automatic Stand-By function by the light sensor at dawn.

PIR Sensor: Adjustable presence detector, detection area of 10m.

Lighting duration adjustable from 10 sec. - 10 min.

Lighting periods:

400 lightings for 2 minutes or 180 illuminations for 5 minutes.

(Optionally available with extended lighting time or for continuous operation.)

Lighting distance aprx. 15m.

Total height 340cm

Pole: Galvanized steel Ø 60mm, height 3 meter + earth end 600mm for concreting,

(optionally additionally powder coated or with floor mounting plate for bolting).

Including an external battery case, wich can be digged underground.

Vandalism-proof. With service door (special tool required).

Protection IP44, class II.

Weight: 50 kg

Solar Park Pole Lights and Pedestrian Lighting



LED Solar Floodlight with Pole



Solar powered LED street light fixture for small streets or walkways. Made in Germany, powerful.
LT-SOL011

Adjustable LED floodlight for high light output and independent operation. High quality monocrystalline solar module 60W (Protected against wind, dust and humidity) aprx. 25 years lifespan. This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
Battery: Longlife solar gel accumulator 12 volt. Life time: 5-10 years.
Controller: The light starts automatically at sunset and stops in the morning. Battery deep discharge and overcharge protection.
Max. lighting capacity 20h at full battery.
Manufactured in Germany.
Energy efficiency class EEL: A+++
Rectangular, directed lighting field. Ideal for yard, waste collection place, entrance area, small parking lots.
Light distribution: Wide Flood 120°
Luminous flux: 1100 Lm
Brightness compares to 100 watt halogen light.
Total Height 350cm
Pole: Galvanized steel Ø 60mm, height 3 meter + earth end 600mm for concreting, (optionally additionally powder coated or with floor mounting plate for bolting).
Including an external battery case, wich can be digged underground.
Vandalism-proof. With service door (special tool required).
Protection IP66
Weight: 48 kg



Decorative Solar Street Light Double LED Bell



Decorative and professional solar lamp with pole for garden or pathways. Made in Germany.
LT-SOL020-2

Elegant in design and safe for use - no wire and low voltage. Convenient for self-assembling.
High quality solar panel 130W monocrystalline silicon (tempered glass encapsulated, dustproof) aprx. 25 years lifespan. This modern module technology offers a high degree of efficiency and allows charging also at cloudy weather.
Battery: Special solar power gel accumulator 12 volt. Life expectancy: 5-8 years.
Function well under low temperature.
Controller: Switch on automatically with light sensor
Turn off automatically with built-in timer (default: 8 hours)
Battery over-current and deep-discharge protection
Steel pole: 5 meter hot-dip galvanized (optionally powder coated).
For mounting into concrete.
Light Source: 2 super bright longlife LED lamps (1980 lumens, each)
Luminance equivalent to two 200W incandescent lamps
Life span: 50,000 hrs
Light colour: 4000K pure white (on request 3000K warm white)
Working Conditions: Autonomous lighting time: 24h under cloudy weather: 30h / 2 - 3 days
Lighting range: 30 meters; Height: 500 cm
Ambient temperature: -40°C ~ +80°C (in direct sunshine)
Minimum ordering quantity 2 pcs., preparing time 4 weeks (special manufacturing).
Weight: 96 kg

Solar Street Lights for desert + equatorial countries



Solar Street Light Abu Dhabi 60W LED Wind Power



Hybrid streetlight fixture with solar module 150W, Power LED and spinning wind generator. Made in Germany.
LT-SOL050-6L

Sandstorm-proof and seawater resistant PV street lighting fixture, equipped with high power LED Lamp.

Recommended for sunny regions, like Africa, desert countries, South America.

High brightness corresponds to 150 watt mercury light.

Very long maintenance-free system lifespan, by quality LED, electronic 24V PWM driver and microcontroller system control.

Microprocessor control for lighting and charging:

Automatic lamp start at sunset and turn-off by dawn.

Timer-dimmer: Full power at start-up, after midnight power reduction on 50% and full power again in the early morning, for more safety at low battery capacity.

All functions are pre-programmed by us, for the project and customer specifications, so that the lamp is ready for operation immediately after installation.

High quality monocrystalline solar modules (tempered glass encapsulated, sand storm proof) aprx. 25 years lifespan.

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

All components are surfaced with a grey, scratchproof 2-layers UV-resistant coating.

The screws consist of stainless steel.

Rigid aluminium die-cast LED street light fixture, IP66 seawater and thunderstorm-proof.

This solar light is maintenance free - (only the solar panel should be cleaned occasionally with water).

Our systems are provided with serial numbers, which can be validated to protect against malicious copies.

Technical specifications:

LED Lamp: SMD LED Chipset Osram 60W

Luminous flux: 6020 Lm

Central illumination: 22 Lux at 8m pole height.

Average brightness: >20 Lux (6m)

Light colour: 4000K pure white (on request also 3000K warm white).

Lighted area: aprx. 35 x 16m

Distance from pole to pole: aprx. 35 meters

Recommended pole height: 7m - 10m

Autonomy 20 days (each 10h) at cloudy weather

Autonomy 5 days (max. 50 h) at absolutely no sunshine

Ambient temperature: -35°C ~ +55°C

Max. direct sunshine temperature: 85° C / 176 F degree

Battery: Lead gel 12V, maintenance-free, longlife. Lifetime about 10 Years / 20°C

Temperature feeded battery charging for extended battery life.

Overcharge and deep-discharge protection for the battery.

Reverse polarity and short circuit protection.

Protection degree lamp head: IP66

Protection degree battery box: IP67

Protection degree controller: IP66

Protection class: III Low safe voltage

Approvals: CE, RoHS, WEEE

Including following components:

LED light fixture with arm and pole mount bracket.

Wind Power Generator 400W,

2 pcs. High-power longlife Solar Gel Batteries,

Solar module array with frame and bracket for adjustable top-mount.

Programmable charge controller PCU.

Recessed battery box for waterproof inground installation,

Manual for easy mechanical and electrical setup in english language. Other languages on request.

Complete pre-wired unit without pole.

Powerful and safe street photovoltaic-light with storing of electrical power for 5 days of lighting.

The microprocessor light controller is mounted in the pole - easy access by a lockable door.

Descriptions

Rated Output Power (W)

Max. Output Power (W)

WS400 wind turbine

400

420

Rated Wind Speed (m/s)	12.5
Rated Rotation Speed (rpm)	900
Start-Up Wind Speed (m/s)	1.3
Cut-In Wind Speed (m/s)	2
Rotor Diameter (m)	1.4
Blade Material	synthetic MC nylon & carbon fibre
Airfoil type	true foil
Governor System	aeroelastic thrust
Governor Wind Speed (m/s)	60
Shut-Down Mechanism	electric control
Battery System (Volts)	24V
Driving Type	direct driving
Charge Controller	included
Over-Speed Protection	yes
Low-Voltage Protection	yes
Over-Voltage Protection	yes
Weight (kg)	16

Weight: 180 kg



LED Solar Bike Path Light 30W with Pole



Solar walkway, cycle track and street light fixture including 4m steel pole and LED lamp. Made in Germany.
LT-Sol051-039L

Stable, sandstorm- and weatherproof street lighting lamp for low budget, equipped with a longlife LED Lamp.

High brightness corresponds to 75 watt incandescent light.

With efficient LED lamps, electronic 12V PWM driver and microcontroller system control, for a very long maintenance-free system lifespan.

High quality monocrystalline solar module 30W (tempered glass encapsulated, sand storm proof) aprx. 25 years lifespan.

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

All components are surfaced with a grey, scratchproof and UV-resistant coating.

The screws consist of VA stainless steel.

Rigid aluminium die-cast LED street light fixture.

This solar light is maintenance free - (only the solar panel should be cleaned occasionally with water).

Our systems are provided with serial numbers, wich can be validated to protect against malicious copies.

Technical specifications:

LED Lamp: SMD LED Chipset 7W

Light intensity: 600 Lm

Life time: 40000 h

The brightness is similar to 60w halogen light.

Light colour 4000K, convinient natural white.

Microprocessor control for automatic lamp start by light sensor and turn-off by dawn.

Overcharge and deep-discharge protection for the battery.

Protection grade IP64

Distance from pole to pole = Lighted area Ø aprx. 20 meter

Autonomy 10 days (each 10h) at cloudy weather

Autonomy 2 days (max. 20 h) at absolutely no sunshine

Including following components:

LED light fixture with arm and pole mount clamp.

Maintenance-free high-power longlife Solar Gel Battery 12 volt,

Solar module with frame and bracket for adjustable top-mount.

Programmable Processor charge controller + intelligent light switch with clock.

Rigid box for inground-mount for the batteries, (walk-over). Size 360 x 260 x 320mm.

Manual for easy mechanical and electrical setup in english language. Other languages on request.

Steel pole: hot-dip galvanized, height 400cm + 80cm to mount into concrete.

Weight: 55 kg



LED Solar Street Light Solar Equador 60 Watt



LT-SOLAR39 / LT-SOLAR40

German manufactured streetlight fixture with 15W power LED lamp. LT-Sol051-060L

Sandstorm-proof and seawater resistant PV street lighting fixture, equipped with high power LED Lamp.

Recommended for sunny regions, like Africa, South America, Africa, Philippines.

The brightness corresponds to 150 watt halogen light or 25w fluorescent light.

Very long maintenance-free system lifespan, by use of efficient LED lamps and electronic 12V PWM driver.

Microprocessor system control for lighting and charging.

All components are galvanized or surfaced with a grey, scratchproof 2-layers UV-resistant coating.

The screws consist of stainless steel.

This solar light is maintenance free - only the solar panel should be cleaned occasionally with water.

Our systems are provided with serial numbers, which can be validated to protect against malicious copies.

General specifications:

Lighted area: aprx. 23 x 8m

Distance from pole to pole: aprx. 20 - 25 meter

Recommended pole height: 4m - 6m

Ambient temperature: -20°C ~ +50°C (extended temperature range -35°C ~ +65°C available on request)

Max. direct sunshine temperature: 85° C / 176 F degree

Protection class: III Low safe voltage

Energy efficiency class: A+++

Approvals: CE, RoHS, WEEE

20 years sparepart supply ability.

Lamp specifications:

LED Lamp: SMD Chipset

LED power: 15W

Light colour 4000K pure white (on request also 3000K warm white).

No uv-radiation for reduced insects attraction

LED efficiency: > 120 lm/w

Lamp efficiency: > 100 lm/w

Luminous flux: > 1500 lm

Central illumination: >8 Lux (6m)

Average illumination: >9 Lux (4m)

Life time: 50000 hours

Casing: Rigid aluminium die-cast. Seawater and thunderstorm-proof.

Arm length: 300mm (on request, we supply with max. 2 meter arm)

Protection degree lamp head: IP65

5 years guarantee

System controller specifications:

Programmable Processor charge controller.

Infra Red remote control

Metering memory for actual and last days system status.

Automatic lamp start at sunset and turn-off by dawn. (Level adjustable)

Timer-dimmer: Full power at start-up, automatic dimming at late night and full power again in the early morning, for more safety at low battery capacity.

All functions are pre-programmed by us, for the project and to customer specifications, so that the lamp is ready for operation immediately after installation.

Temperature feeded battery charging for extended battery life.

Overcharge and deep-discharge protection for the battery.

Reverse polarity and electronic short circuit protection.

Additional electric fuse

Protection degree : IP66

5 years guarantee

Solar panel specifications:

High efficient monocrystalline silicone

(tempered glass encapsulated, sandstorm proof)

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

Efficiency: > 16%

Power: 60W

Life expectancy: aprx. 25 years

20 years 80% power guaranty *

10 years 90% power guaranty *

* excepted is the complete failing (3 years guarantee)

Battery specifications:

Battery type: Lead gel 12V,

On option Li-Ion LiFePo4 battery
maintenance-free, longlife.

For solar cycling charge operation

Lifetime about 10 Years / 20°C

Autonomy 20 days (each 10h) at cloudy weather

Autarkic backup for 35 hours = 3 nights at fully charged batteries. At
absolutely no sunshine.

Battery box:

The batteries are located underground for equalized temperature (longer life)
and thieve protection.

Rigid plastic box IP67 (non walkover) with cabel protection hose, steel
reinforced:

Size: L 496 x w 280 x h 270mm

on option ABS plastic box IP66 (walk over):

Size: L 550 x w 550 x h 480mm

Including following components:

LED light fixture with arm and pole mount bracket.

Solar battery,

Recessed battery box,

Solar module with frame and bracket for adjustable top-mount.

System controler.

Manual for easy mechanical and electrical setup in english language. Other
languages on request.

Complete pre-wired unit without pole.

Weight: 65 kg



Solar Street Light Jordan 75 Watt LPS



Street light fixture made in Germany to customers specification. With LPS sodium lamp 26w
LT-Sol051-060X

Sandstorm proof and weatherproof PV street lighting fixture, equipped with 26W SOX lamp.
With efficient LPS lamps, electronic 24V ballast and microcontroller system control, the light is much brighter and lifespan of the lamps is longer than regular HPS.
High quality monocrystalline solar module 80W (tempered glass encapsulated, hailproof) aprx. 25 years life expectancy.
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
All components are surfaced with a grey, scratchproof 2-layers UV-resistant coating.
The screws consist of stainless steel.
Rigid aluminium die-cast LED street light fixture.

Technical specifications:

Lamp type: Sodium Low pressure lamp SOX-E 26W BY22d, 26W LPSV
Light intensity: 2400 Lm
Highest light output = 80 watt mercury vapour = 52 watt sodium high pressure = 160 watt halogen)
Central illumination: >15 Lux (at 6m pole height)
Average brightness: >18 Lux (4m)
Light colour 2000K yellow monochromatic.
Microprocessor control for adjustable time and level functions and log-file.
Automatic lamp start at sunset and turn-off by dawn.
Temperature feeded battery charging for extended battery life.
Overcharge and deep-discharge protection for the battery.
Protection grade IP65
Distance from pole to pole = Lighted area Ø aprx. 25 meter
Recommended pole height: 4m - 7m
Autonomy 20 days (each 10h) at cloudy weather
Autonomy 3 days (max. 30 h) at absolutely no sunshine

Including following components:

Light fixture with arm and pole mount bracket and SOX lamp.
Maintenance-free high-power longlife Solar Gel battery,
Solar module with frame and bracket for adjustable top-mount.
Programmable Processor charge controller + intelligent light switch with clock.
Recessed battery casing for waterproof inground installation,
Manual for easy mechanical and electrical setup in english language. Other languages on request.

(Complete pre-wired unit without pole),
but including all required components for simple installation on your existing steel poles.
Important, that your existing poles have a small door, where the controller can be mounted behind.
Further we need the exact dimensions of your poles,
so we can prepare all brackets and cables for an easy and safe installation.
Weight: 85 kg



Solar Street Light LED Jordan 120 Watt



www.dimmer.de

Streetlight Made in Germany with 30W bright LED lamp
LT-Sol051-100L

Sandstorm-proof and seawater resistant PV street lighting fixture, equipped with high power LED Lamp.
Recommended for sunny regions, like Africa, desert countries, South America, Philipines.
High brightness corresponds to 80 watt mercury light.
Very long maintenance-free system lifespan, by use of efficient LED lamps and electronic 24V-60V PWM driver.
Microprocessor system control for lighting and charging.
All components are galvanized or surfaced with a grey, scratchproof 2-layers UV-resistant coating.
The screws are made of stainless steel.
This solar light is maintenance free - only the solar panel should be cleaned occasionally with water.
Our systems are provided with serial numbers, wich can be validated to protect against malicious copies.

General specifications:

Lighted area: aprx. 25 x 12m
Distance from pole to pole: aprx. 25 meter
Recommended pole height: 4m - 7m
Ambient temperature: -30°C ~ +55°C (extended range on request)
Max. direct sunshine temperature: 85° C / 176 F degree
Protection class: III Low safe voltage
Approvals: CE, RoHS, WEEE
20 years sparepart supply ability.

Lamp specifications:

LED Lamp: SMD Chipset Osram
LED power: 30W
Light colour: 4000K neutral white (on request 5000K cold white or 3000K warm white).
No uv-radiation for reduced insects attraction
LED efficiency: > 125 lm/w
Lamp efficiacy: > 100 lm/w
Luminous flux: 3450 Lm /5500K (3260 lm /4000K)
Central illumination: >15 Lux (at 6m pole height)
Average brightness: >18 Lux (4m)
Casing: Rigid aluminium die-cast. Seawater and thunderstorm-proof.
Protection degree lamp head: IP66
5 years guarantee

System controler specifications:

Programmable Processor charge controler.
Infra Red remote control
Metering memory for actual and last days system status.
Automatic lamp start at sunset and turn-off by dawn.
Timer-dimmer: Full power at start-up, automatic dimming at late night and full power again in the early morning, for more safety at low battery capacity.
All functions are pre-programmed by us, for the project and to customer specifications, so that the lamp is ready for operation immediately after installation.
Temperature feeded battery charging for extended battery life.
Overcharge and deep-discharge protection for the battery.
Reverse polarity and electronic short circuit protection.
Additional electric fuse
Protection degree controller: IP66
5 years guarantee

Solar panel specifications:

High efficient monocrystalline silicone
(tempered glass encapsulated, sandstorm proof)
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
Efficiency: > 16%
Power: 120W
Life expectancy: aprx. 25 years
20 years 80% power guaranty *
10 years 90% power guaranty *
* excepted is the complete failing (3 years guarantee)

Battery specifications:

Battery type: Lead gel 12V,

On option Li-Ion LiFePo4 battery maintenance-free, longlife.
 For solar cycling charge operation
 Lifetime about 10 Years / 20°C.
 Autonomy 20 days (each 10h) at cloudy weather
 Autonomy 3 days (max. 30 h) at absolutely no sunshine
 Battery box: ABS plastic for waterproof inground installation
 Protection degree: IP66 (walk over type) IP67 (non walkover)
 The batteries are located underground for equalized temperature (longer life) and thieve protection.

Including following components:

LED light fixture with arm and pole mount bracket.
 Solar battery,
 Recessed battery box,
 Solar module with frame and bracket for adjustable top-mount.
 System controller.
 Manual for easy mechanical and electrical setup in english language. Other languages on request.
 Complete pre-wired unit without pole.
 Weight: 88 kg



Solar Street Light Iraq 120 Watt LPS

Street lighting lamp made in Germany to customers specification. With LPS sodium lamp 35w

Sand storm proof and weatherproof PV street lighting fixture, equipped with 35W SOX lamp.
 By use of LPS lamps, electronic 24V ballast and microcontroller system control, the light is much brighter and lifespan of the lamps is longer than regular HPS.
 Measured brightness at 10m mounting height: 12 Lux on ground, 10 Lux in 10m distance.
 Distance from pole to pole = Lighted area Ø aprx. 30 meter

Including following components:

2 pcs. maintenance-free high-power longlife Solar Gel Battery,
 2 pc. high quality monocrystalline solar modules 120W total (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.
 This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
 Programmable Processor charge controller + intelligent light switch with clock.
 Rigid aluminium die-cast street light fixture with lamp holder BY22d.
 Full electronic ballast 24V DC for LPS sodium lamps 35 watt. Extreme low losses and higher lamp output and increased lamp lifespan.
 Sodium Low pressure lamp SOX-E 35W LPS BY22d. Yellow light colour.
 Highest energy efficiency = 100 watt mercury vapour = 70 watt sodium high pressure.
 Recessed battery box for waterproof inground installation,
 Electrical cable, cable glands, all required electrical connectors and terminals.
 Steel frame for adjustable top-mount of the solar panel.
 Pole mount clamp for light fixture.
 Manual for easy mechanical and electrical setup in english language - other languages on request.
 (Complete unit without pole)
 On special production NEMP HEPM EMP hardened.
 LT-Sol051-100X



**Double Arm
Solar Street
Light LED Egypt
2*100W**

Streetlight lamp Made
in Germany with 2
pcs. 30W power LED
lamp

Sandstorm- and weatherproof PV street lighting fixture with 2 high power LED lamps. For the road median strip.
High brightness corresponds to 2 * 80 watt mercury.
Very long maintenance-free system lifespan, by use of efficient LED lamps, electronic 24V PWM driver and microcontroller system control.
High quality monocrystalline solar-module 220W (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
All components are surfaced with a grey, scratchproof 2-layers UV-resistant coating. The screws consist of stainless steel.
Rigid aluminium die-cast LED street light fixture, seawater, salt and thunderstorm-proof. This solar light is maintenance free - (only the solar panel should be cleaned occasionally with water).
Our systems are provided with serial numbers, wich can be validated to protect against malicious copies.

Technical specifications:

2 LED Lamp: Power LED Chipset Osram 30W each
Light intensity: 2 * 3450 Lm /5500K (3260 lm /4000K)
Highest energy efficiency = 2* 100 watt mercury vapour = 2* 70 watt sodium high pressure.
Central illumination: >15 Lux (at 6m pole height)
Average brightness: >8 Lux (6m)
Light colour 4000K neutral white (on request also 3000K warm white).
Microprocessor control for adjustable time and level functions and log-file.
Automatic lamp start at sunset and turn-off by dawn.
Timer-dimmer: Full power at start-up, during midnight power reduction on 50%, in the early morning) 100% power again.
The dimming functions are programmed to your specifications.
Temperature feeded battery charging for extended battery life.
Overcharge and deep-discharge protection for the battery.
Distance from pole to pole = Lighted area Ø aprx. 30 meter
Recommended pole height: 6m - 10m
Autonomy 20 days (each 10h) at cloudy weather
Autonomy 3 days (max. 40 h) at absolutely no sunshine
Protection degree lamp head: IP66
Protection degree battery box: IP67
Protection degree controller: IP66
Protection class: III Low safe voltage
Approvals: CE, RoHS, WEEE

Including following components:

2 LED light fixtures with arm and pole mount clamp.
2 pcs. maintenance-free high-power longlife Solar Gel Battery,
Solar module with frame and bracket for adjustable top-mount.
Processor charge controler
Recessed battery box for waterproof inground installation,
Electrical cable, cable glands, all required electrical connectors and terminals.
Manual for easy mechanical and electrical setup in english language. Other languages on request.

(Complete pre-wired unit without pole)
LT-Sol051-102L



Solar Street Light Jordan Double Arm 2* 100W LPS



Street lighting lamp made in Germany to customers specification. With 2 pcs. LPSV sodium lamp 35w
LT-Sol051-102X

Sandstorm- and weatherproof PV street lighting fixture, equipped with 35W SOX lamp.

For the road median strip.

By use of LPS lamps, electronic 24V ballast and microcontroller system control, the light is much brighter and lifespan of the lamps is longer than regular HPS.

Measured brightness at 10m mounting height: 12 Lux on ground, 10 Lux in 10m distance.

Distance from pole to pole = Lighted area Ø aprx. 30 meter

Solar power input regulator for optimized battery charging and extended battery life.

Overvoltage and deep discharge protection for the battery.

Programmable lighting times, depending on dawn or time or with midnight-brake.

Including following components:

2 pcs. maintenance-free high-power longlife Solar Gel Battery, High quality monocrystalline solar module 220W total (tempered glass encapsulated, hailproof) aprx. 25 years life expectancy.

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

Programmable Processor charge controller + intelligent light switch with clock.

Rigid aluminium die-cast street light fixture with lamp holder BY22d.

Full electronic ballast 24V DC for LPS sodium lamps 35 watt. Extreme low losses and higher lamp output and increased lamp lifespan.

Sodium Low pressure lamp SOX-E 35W LPS BY22d. Yellow lightcolour.

Highest energy efficiency = 100 watt mercury vapour = 70 watt sodium high pressure.

Recessed battery box for waterproof inground installation,

Electrical cable, cable glands, all required electrical connectors and terminals.

Steel frame for adjustable top-mount of the solar panel.

Junction bracket for light fixture mount.

Manual for easy mechanical and electrical setup in english language - other languages on request.

(Complete unit without pole)

The lighting pole has to be ordered extra (recommended height 6 - 10 meters).

Weight: 150 kg



LED Solar Light Quadruple Arm for Parking Lot 1100W



PV street light with very high brightness for public lighting of parking lot, intersection or market place. With 4 power LED lamps 90W. Made in Germany.
LT-Sol051-1100L

Sandstorm- and weatherproof PV street lighting fixture, equipped with 4 pcs. high power LED lamps 4 * 90W.
Recommended for sunny regions, like desert countries, Arabia, South America.
Very high brightness corresponds to 4 * 250 watt mercury lamps.
For very large avenues, places, center stripes, highways, building sites etc.
With efficient LED lamps, electronic 24V PWM driver and microcontroller system control, for a very long maintenance-free system lifespan.
Recommended pole height 12m or higher
Distance from pole to pole = Lighted area Ø aprx. 40 meter
Protection degree lamp head: IP66
Protection degree battery box: IP67
Protection degree controller: IP66
Protection class: III Low safe voltage
Approvals: CE, RoHS, WEEE

Including following components:

4 pcs. maintenance-free high-power longlife Solar Gel Battery,
4 pcs. high quality monocrystalline solar-module, total 1100W (tempered glass encapsulated, sand storm proof) aprx. 25 years life expectancy.
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
Programmable Processor charge controller + intelligent light switch with clock.
Automatic dimming at late night.
Rigid aluminium die-cast LED street light fixture.
Full electronic ballast 24V DC for LED lamps. Extreme low losses and higher lamp output and increased lamp lifespan.
LED lamp power chipset 4 * 90W. Warmwhite or daylight-white light colour.
Recessed battery casing for watertight inground installation,
Electrical cable, glands, all required electrical connectors and terminals.
Steel frames for adjustable mount of the solar panels.
Junction clamp for light fixtures mount.
Manual for easy mechanical and electrical setup in english language - other languages on request.
(Complete unit without pole)
Weight: 500 kg



Solar Street Light Egypt 150 Watt HPS Sodium

Solar streetlight Made in Germany.
Electronic ballast 24V DC HPS sodium lamp 35w

Sandstorm- and weatherproof PV street lighting fixture, equipped with 35W SHP sodium high pressure lamp.
By use of HPS lamps, electronic 24V ballast and microcontroller system control, the light is brighter and lifespan of the lamps is longer than regular HPS.
Measured brightness at 12m mounting height: 10 Lux on ground, 8 Lux in 10m distance.
Distance from pole to pole = Lighted area Ø aprx. 32 meter
(Complete unit with solar panels, but without pole)

Including following components:

2 pcs. maintenance-free high-power longlife Solar Gel Battery,
2 pc. high quality monocrystalline solar-modules 150W total (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
Programmable Processor charge controller + intelligent light switch with clock.
Rigid aluminium die-cast street light fixture with lamp holder E27.
Full electronic ballast 24V DC for HPS sodium lamps 35 watt. Low losses and higher lamp output and increased lamp life duration.
Sodium high pressure lamp NAV-E 35W E27. Light yellow lightcolour.
High energy efficiency. 35W HPS = 50 watt mercury vapour = 150w halogen.
Recessed battery box for waterproof inground installation,
Electrical cable, cable glands, all required electrical connectors and terminals.
Steel frame for adjustable top-mount of the solar panel.
Junction clamp for light fixture mount.
Manual for easy mechanical and electrical setup in english language - other languages on request.
LT-Sol051-130M



**Solar Street
Light Saudi 200
Watt LPS**

PV streetlight made
in Germany.
Electronic ballast 24V
DC LPSV sodium
lamp 55w

Sandstorm- and weatherproof PV street lighting fixture, equipped with 55W SOX lamp. By use of LPS lamps, electronic 24V ballast and microcontroller system control, the light is much brighter and lifespan of the lamps is longer than regular HPS. Measured brightness at 12m mounting height: 18 Lux on ground, 14 Lux in 10m distance. Distance from pole to pole = Lighted area Ø aprx. 35 meter
Description as attached Powerpoint Presentation and PDF Data Sheet.

Including following components:

2 pcs. maintenance-free high-power longlife Solar Gel Battery,
2 pc. high quality monocrystalline solar-module 100W (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
Programmable Processor charge controller + intelligent light switch with clock.
Rigid aluminium die-cast street light fixture with lamp holder BY22d.
Full electronic ballast 24V DC for LPS sodium lamps 55 watt. Extreme low losses and higher lamp output and increased lamp lifespan.
Sodium Low pressure lamp SOX-E 55W LPS BY22d. Yellow lightcolour.
Highest energy efficiency = 150 watt mercury vapour = 110 watt sodium high pressure.
Recessed battery box for waterproof inground installation,
Electrical cable, cable glands, all required electrical connectors and terminals.
Steel frame for adjustable top-mount of the solar panel.
Junction clamp for light fixture mount.
Manual for easy mechanical and electrical setup in english language - other languages on request.
(Complete unit without pole)
LT-Sol051-150X



Solar Street Light LED Riyadh 180 Watt



Street lighting fixture Made in Germany. Dimming Power LED lamp 60w and low volt ballast.
LT-Sol051-170L

Sandstorm-proof and seawater resistant PV street lighting fixture, equipped with high power LED Lamp.
Recommended for sunny regions, like Africa, desert countries, South America, Philipines.
High brightness corresponds to 160 watt mercury light.
Very long maintenance-free system lifespan, by use of efficient LED lamps and electronic 24V-60V PWM driver.
Microprocessor system control for lighting and charging.
All components are galvanized or surfaced with a grey, scratchproof 2-layers UV-resistant coating.
The screws consist of stainless steel.
This solar light is maintenance free - only the solar panel should be cleaned occasionally with water.
Our systems are provided with serial numbers, wich can be validated to protect against malicious copies.

General specifications:

Lighted area: aprx. 35 x 16m
Distance from pole to pole: 32 - 35 meters
Recommended pole height: 6m - 8m
Ambient temperature: -30°C ~ +55°C (extended range on request)
Max. direct sunshine temperature: 85° C / 176 F degree
Protection class: III Low safe voltage
Approvals: CE, RoHS, WEEE
20 years sparepart supply ability.

Lamp specifications:

LED Lamp: SMD Chipset Osram
LED power: 60W
Light colour: 4000K neutral white (on request 5000K cold white or 3000K warm white).
No uv-radiation for reduced insects attraction
LED efficiacy: > 125 lm/w
Lamp efficiacy: > 100 lm/w
Luminous flux: 6120 Lm /5500K (6020 lm /4000K)
Central illumination: >22 Lux (at 8m pole height)
Average brightness: >20 Lux (6m)
Casing: Rigid aluminium die-cast. Seawater and thunderstorm-proof.
Arm length: 300mm (on request, we supply with max. 2 meter arm)
Protection degree lamp head: IP66
5 years guarantee

System controler specifications:

Programmable Processor charge controler.
Infra Red remote control
Metering memory for actual and last days system status.
Automatic lamp start at sunset and turn-off by dawn.
Timer-dimmer: Full power at start-up, automatic dimming at late night and full power again in the early morning, for more safety at low battery capacity.
All functions are pre-programmed by us, for the project and to customer specifications, so that the lamp is ready for operation immediately after installation.
Temperature feeded battery charging for extended battery life.
Overcharge and deep-discharge protection for the battery.
Reverse polarity and electronic short circuit protection.
Additional electric fuse
Protection degree controller: IP66
5 years guarantee

Solar panel specifications:

High efficient monocrystalline silicone
(tempered glass encapsulated, sandstorm proof)
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
Efficiency: > 16%
Power: 180 - 195W
Life expectancy: aprx. 25 years
20 years 80% power guaranty *
10 years 90% power guaranty *
* excepted is the complete failing (3 years guarantee)

Battery specifications:

Battery type: Lead gel 12V,
On option Li-Ion LiFePo4 battery
maintenance-free, longlife.
For solar cycling charge operation
Lifetime about 10 Years / 20°C
Autonomy 20 days (each 10h) at cloudy weather
Autonomy 6 days (max. 60 h) at absolutely no sunshine
Battery box: ABS plastic for waterproof inground installation
Protection degree: IP66 (walk over type) IP67 (non walkover)
The batteries are located underground for equalized temperature (longer life)
and thief protection.

Including following components:

LED light fixture with arm and pole mount bracket.
2 pcs. solar battery,
Recessed battery box,
Solar module with frame and bracket for adjustable top-mount.
System controller.
Manual for easy mechanical and electrical setup in english language. Other
languages on request.
Complete pre-wired unit without pole.
Weight: 145 kg



Solar Street Light Double Arm LED 2*180W



Bright Street lighting fixture Made in Germany. Double arm with 2 pcs. dimming LED lamp 60w.
LT-Sol051-172L

Sandstorm-proof and seawater resistant PV street lighting fixture, for the road median strip.
Recommended for sunny regions, like desert countries, Africa, South America.
High brightness corresponds to 2 * 160 watt mercury lights.
Very long maintenance-free system lifespan, by use of efficient LED lamps and electronic 24V-60V PWM driver.
Microprocessor system control for lighting and charging.
All components are galvanized or surfaced with a grey, scratchproof 2-layers UV-resistant coating.
The screws consist of stainless steel.
This solar light is maintenance free - only the solar panel should be cleaned occasionally with water.
Our systems are provided with serial numbers, which can be validated to protect against malicious copies.

General specifications:

Lighted area: aprx. 35 x 30m
Distance from pole to pole: 32 - 35 meters
Recommended pole height: 6m - 8m
Ambient temperature: -30°C ~ +55°C (extended range on request)
Max. direct sunshine temperature: 85° C / 176 F degree
Protection class: III Low safe voltage
Approvals: CE, RoHS, WEEE
20 years sparepart supply ability.

Lamp specifications:

LED Lamp: SMD Chipset Osram
LED power: 2 * 60W
Light colour: 4000K neutral white (on request 5000K cold white or 3000K warm white).
No uv-radiation for reduced insects attraction
LED efficiency: > 125 lm/w
Lamp efficiency: > 100 lm/w
Luminous flux: 2 * 6120 Lm /5500K (6020 lm /4000K)
Central illumination: >22 Lux (at 8m pole height)
Average brightness: >20 Lux (6m)
Casing: Rigid aluminium die-cast. Seawater, salt and thunderstorm-proof.
Arm length: 800mm (on request, we supply with max. 2 meter arm)
Protection degree lamp head: IP66
5 years guarantee

System controller specifications:

Programmable Processor charge controller.
Infra Red remote control
Metering memory for actual and last days system status.
Automatic lamp start at sunset and turn-off by dawn.
Timer-dimmer: Full power at start-up, automatic dimming at late night and full power again in the early morning, for more safety at low battery capacity.
All functions are pre-programmed by us, for the project and to customer specifications, so that the lamp is ready for operation immediately after installation.
Temperature feeded battery charging for extended battery life.
Overcharge and deep-discharge protection for the battery.
Reverse polarity and electronic short circuit protection.
Additional electric fuse
Protection degree controller: IP66
5 years guarantee

Solar panel specifications:

High efficient monocrystalline silicone
(tempered glass encapsulated, sandstorm proof)
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
Efficiency: > 16%
Power: 180 - 195W
Life expectancy: aprx. 25 years
20 years 80% power guaranty *
10 years 90% power guaranty *
* excepted is the complete failing (3 years guarantee)

Battery specifications:

Battery type: Lead gel 12V,
 On option Li-Ion LiFePo4 battery
 maintenance-free, longlife.
 For solar cycling charge operation
 Lifetime about 10 Years / 20°C
 Autonomy 20 days (each 10h) at cloudy weather
 Autonomy 6 days (max. 60 h) at absolutely no sunshine
 Battery box: ABS plastic for waterproof inground installation
 Protection degree: IP66 (walk over type) IP67 (non walkover)
 The batteries are located underground for equalized temperature (longer life)
 and thieve protection.

Including following components:

2 LED light fixture with arm and pole mount bracket.
 2 pcs. solar battery,
 Recessed battery box,
 Solar module with frame and bracket for adjustable top-mount.
 System controller.
 Manual for easy mechanical and electrical setup in english language. Other
 languages on request.
 Complete pre-wired unit without pole.
 Weight: 295 kg





**Solar Street
 Light Oman
 200W Sodium
 HPS**

Photovoltaic streetlight
 made in Germany. Full
 electronic ballast 24V
 DC HPSV sodium lamp
 70w.

Sandstorm- and weatherproof PV street lighting fixture, equipped with a 70W SHP sodium
 high pressure lamp.
 By use of HPS lamps, electronic 24V ballast and microcontroller system control,
 the light is brighter and lifespan of the lamps is longer than regular HPS.
 Measured brightness at 12m mounting height: 14 Lux on ground, 10 Lux in 10m distance.
 Distance from pole to pole = Lighted area Ø aprx. 37 meter.

Including following components:

2 pcs. maintenance-free high-power longlife Solar Gel Battery,
 High quality solar panel 2 pc. 100W monocrystalline silicon (tempered glass
 encapsulated, hailproof) aprx. 25 years lifespan.
 This modern module technology has a high degree of efficiency and allows charging also
 at cloudy weather.
 Programmable Processor charge controller + intelligent light switch with clock.
 Rigid aluminium die-cast street light fixture with lamp holder E27.
 Full electronic ballast 24V DC for HPS sodium lamps 70 watt. Low losses and higher
 lamp output and increased lamp lifespan.
 Sodium high pressure lamp NAV-E 70W E27. Light yellow lightcolour.
 High energy efficiency = 100 watt mercury vapour = 48 watt sodium low pressure.
 Recessed battery box for waterproof inground installation,
 Electrical cable, cable glands, all required electrical connectors and terminals.
 Steel frame for adjustable top-mount of the solar panel.
 Junction clamp for light fixture mount.
 Manual for easy mechanical and electrical setup in english language - other languages on
 request.
 (Complete unit without pole)
 LT-Sol051-175M

	<p>Solar Street Light Double Arm Oman 2* 200W Sodium HPS</p> <p>Photovoltaic streetlight made in Germany. Full electronic ballast 24V DC HPSV sodium lamp 2 x 70w.</p>	<p>Sandstorm- and weatherproof PV street lighting fixture, equipped with two 70W SHP sodium high pressure lamps. Installation place: On the road median strip of large highways. By use of HPS lamps, electronic 24V ballast and microcontroller system control, the light is brighter and lifespan of the lamps is longer than regular HPS. Measured brightness at 12m mounting height: 14 Lux on ground, 10 Lux in 10m distance. Distance from pole to pole = Lighted area Ø aprx. 37 meter</p> <p><u>Including following components:</u> 2 pcs. maintenance-free high-power longlife Solar Gel Battery, High quality solar panel 4 pc. 100W monocrystalline silicon (tempered glass encapsulated, hailproof) aprx. 25 years lifespan. This modern module technology has a high degree of efficiency and allows charging also at cloudy weather. Programmable Processor charge controller + intelligent light switch with clock. Rigid aluminium die-cast street light fixture with lamp holder E27. Full electronic ballast 24V DC for HPS sodium lamps 70 watt. Low losses and higher lamp output and increased lamp life expectancy. Sodium high pressure lamp NAV-E 70W E27. Light yellow light colour. High energy efficiency = 100 watt mercury vapour = 48 watt sodium low pressure. Recessed battery box for waterproof inground installation, Electrical cable, cable glands, all required electrical connectors and terminals. Steel frame for adjustable top-mount of the solar panel. Junction clamp for light fixture mount. Manual for easy mechanical and electrical setup in english language - other languages on request. (Complete unit without pole) LT-Sol051-177M</p>
	<p>Solar Street Light Solar Oman 220 Watt LPS</p> <p>Photovoltaic street light made in Germany. Full electronic ballast 24V DC LPSV sodium lamp 66w.</p>	<p>Sandstorm- and weatherproof PV street lighting fixture, equipped with a 66W SOX lamp. By use of LPS lamps, electronic 24V ballast and microcontroller system control, the light is much brighter and lifespan of the lamps is longer than regular HPS. Measured brightness at 12m mounting height: 20 Lux on ground, 15 Lux in 10m distance. Distance from pole to pole = Lighted area Ø aprx. 35 meter</p> <p><u>Including following components:</u> 2 pcs. maintenance-free high-power longlife Solar Gel Battery, High quality monocrystalline solar-module 220W (tempered glass encapsulated, hailproof) aprx. 25 years lifespan. This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather. Programmable Processor charge controller + intelligent light switch with clock. Rigid aluminium die-cast street light fixture with lamp holder BY22d. Full electronic ballast 24V DC for LPS sodium lamps 66 watt. Extreme low losses and higher lamp output and increased lamp lifespan. Sodium Low pressure lamp SOX-E 66W LPS BY22d. Yellow lightcolour. High energy efficiency = 100 watt mercury vapour = 48 watt sodium low pressure. Highest energy efficiency = 180 watt mercury vapour = 132 watt sodium high pressure. Recessed battery box for waterproof inground installation, Electrical cable, cable glands, all required electrical connectors and terminals. Steel frame for adjustable top-mount of the solar panel. Junction clamp for light fixture mount. Manual for easy mechanical and electrical setup in english language - other languages on request. (Complete unit without pole) LT-Sol051-200X</p>



Solar Street Light LED UAE 235 Watt



Solar street lighting system made in Germany. 24V DC PWM direct driver and LED lamp 60w.
LT-Sol051-220L

Sandstorm-proof and seawater resistant PV street lighting fixture, equipped with high power LED Lamp.
Recommended for sunny regions, like desert countries, Arabia, South America, Africa, Philippines.
High brightness corresponds to 160 watt mercury light.
Long maintenance-free system lifespan, by use of efficient LED lamps and electronic 24V-60V PWM driver.
Microprocessor system control for lighting and charging.
All components are galvanized or surfaced with a grey, scratchproof 2-layers UV-resistant coating.
The screws consist of stainless steel.
This solar light is maintenance free - only the solar panel should be cleaned occasionally with water.
Our systems are provided with serial numbers, which can be validated to protect against malicious copies.

General specifications:

Lighted area: aprx. 35 x 16m
Distance from pole to pole: aprx. 35 meter
Recommended pole height: 6m - 8m
Ambient temperature: -20°C ~ +55°C (extended temperature range -35°C ~ +65°C available on request)
Max. direct sunshine temperature: 85° C / 176 F degree
Protection class: III Low safe voltage
Energy efficiency class: A+++
Approvals: CE, RoHS, WEEE
20 years sparepart supply ability.

Lamp specifications:

LED Lamp: SMD Chipset Osram
LED power: 60W
Light colour 4000K pure white (on request also 3000K warm white or 6000K daylight).
No uv-radiation for reduced insects attraction
LED efficiency: > 125 lm/w
Lamp efficiency: > 100 lm/w
Luminous flux: > 6020 lm
Central illumination: >22 Lux (8m)
Average illumination: >20 Lux (6m)
Life time: 80000 hours
Casing: Rigid aluminium die-cast. Seawater and thunderstorm-proof.
Arm length: 300mm (on request, we supply with max. 2 meter arm)
Protection degree lamp head: IP66
5 years guarantee

System controller specifications:

Programmable Processor charge controller.
Infra Red remote control
Metering memory for actual and last days system status.
Automatic lamp start at sunset and turn-off by dawn. (Level adjustable)
Timer-dimmer: Full power at start-up, automatic dimming at late night and full power again in the early morning, for more safety at low battery capacity.
All functions are pre-programmed by us, for the project and to customer specifications, so that the lamp is ready for operation immediately after installation.
Temperature feeded battery charging for extended battery life.
Overcharge and deep-discharge protection for the battery.
Reverse polarity and electronic short circuit protection.
Additional electric fuse
Protection degree : IP66
5 years guarantee

Solar panel specifications:

High efficient monocrystalline silicone
(tempered glass encapsulated, sandstorm proof)
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
Efficiency: > 16%
Power: 235W
Life expectancy: aprx. 25 years
20 years 80% power guaranty *
10 years 90% power guaranty *
* excepted is the complete failing (3 years guarantee)

Battery specifications:

Battery type: Lead gel 12V,
 On option Li-Ion LiFePo4 battery
 maintenance-free, longlife.
 For solar cycling charge operation
 Lifetime about 10 Years / 20°C
 Autonomy 20 days (each 10h) at cloudy weather
 Autarkic backup for 53 hours = 5 nights at fully charged batteries. At
 absolutely no sunshine.

Battery box:

The batteries are located underground for equalized temperature (longer life)
 and thieve protection.
 Rigid plastic box IP67 (non walkover) with cabel protection hose, steel
 reinforced:
 Size: L 496 x w 280 x h 270mm
 on option ABS plastic box IP66 (walk over):
 Size: L 550 x w 550 x h 480mm

Including following components:

LED light fixture with arm and pole mount bracket.
 2 pcs. solar battery,
 Recessed battery box,
 Solar module with frame and bracket for adjustable top-mount.
 System controller.
 Manual for easy mechanical and electrical setup in english language. Other
 languages on request.
 Complete pre-wired unit without pole.
 Weight: 105 kg



**Solar Street Light Solar UAE 260
 Watt LPS**



Solar streetlight system made in Germany. Full electronic ballast 24V
 DC LPS sodium lamp 90w.
 LT-Sol051-230X

Sandstorm- and weatherproof PV street lighting fixture, equipped with a 90W
 SOX lamp.
 By use of LPS lamps, electronic 24V ballast and microcontroller system
 control,
 the light is much brighter and lifespan of the lamps is longer than regular
 HPS.
 Measured brightness at 12m mounting height: 32 Lux on ground, 24 Lux in
 10m distance.
 Distance from pole to pole = Lighted area Ø aprx. 40 meter

Including following components:

2 pcs. maintenance-free high-power longlife Solar Gel Battery,
 2 pcs. high quality monocrystalline solar-module 130W (tempered glass
 encapsulated, hailproof) aprx. 25 years lifespan.
 This modern cell technology has a high degree of efficiency and allows
 charging also at cloudy weather.
 Programmable Processor charge controller + intelligent light switch with
 clock.
 Rigid aluminium die-cast street light fixture with lamp holder BY22d.
 Full electronic ballast 24V DC for LPS sodium lamps 90 watt. Extreme low
 losses and higher lamp output and increased lamp lifespan.
 Sodium Low pressure lamp SOX-E 90W LPS BY22d. Yellow light colour.
 Highest energy efficiency = 270 watt mercury vapour = 180 watt sodium high
 pressure.
 Recessed battery box for waterproof inground installation,
 Electrical cable, cable glands, all required electrical connectors and
 terminals.
 Steel frame for adjustable top-mount of the solar panels.
 Junction clamp for light fixture mount.
 Manual for easy mechanical and electrical setup in english language - other
 languages on request.
 (Complete unit without pole)
 Weight: 220 kg



Solar Street Light LED Dubai 250 Watt



Street lighting fixture Made in Germany. Dimming Power LED lamp 90w and low volt ballast.
LT-Sol051-250L

Sandstorm-proof and seawater resistant PV street lighting fixture, equipped with high power LED Lamp.

Recommended for sunny regions, like desert countries, Arabia, South America, Africa, Philippines.

Very high brightness corresponds to 250 watt mercury light.

Long maintenance-free system lifespan, by use of efficient LED lamps and electronic 24V-60V PWM driver.

Microprocessor system control for lighting and charging.

All components are galvanized or surfaced with a grey, scratchproof 2-layers UV-resistant coating.

The screws consist of stainless steel.

This solar light is maintenance free - only the solar panel should be cleaned occasionally with water.

Our systems are provided with serial numbers, which can be validated to protect against malicious copies.

General specifications:

Lighted area: aprx. 40 x 17m

Distance from pole to pole: aprx. 35 - 40 meter

Recommended pole height: 8m - 10m

Ambient temperature: -20°C ~ +55°C (extended temperature range -35°C ~ +65°C available on request)

Max. direct sunshine temperature: 85° C / 176 F degree

Protection class: III Low safe voltage

Energy efficiency class: A+++

Approvals: CE, RoHS, WEEE

20 years sparepart supply ability.

Lamp specifications:

LED Lamp: SMD Chipset Osram

LED power: 90W

Light colour 4000K pure white (on request also 3000K warm white or 6000K daylight).

No uv-radiation for reduced insects attraction

LED efficiency: > 130 lm/w

Lamp efficiency: > 103 lm/w

Luminous flux: > 9100 lm

Central illumination: >39 Lux (8m)

Average illumination: >23 Lux (8m)

Life time: 80000 hours

Casing: Rigid aluminium die-cast. Seawater and thunderstorm-proof.

Arm length: 300mm (on request, we supply with max. 2 meter arm)

Protection degree lamp head: IP66

5 years guarantee

System controller specifications:

Programmable Processor charge controller.

Infra Red remote control

Metering memory for actual and last days system status.

Automatic lamp start at sunset and turn-off by dawn. (Level adjustable)

Timer-dimmer: Full power at start-up, automatic dimming at late night and full power again in the early morning, for more safety at low battery capacity.

All functions are pre-programmed by us, for the project and to customer specifications, so that the lamp is ready for operation immediately after installation.

Temperature feeded battery charging for extended battery life.

Overcharge and deep-discharge protection for the battery.

Reverse polarity and electronic short circuit protection.

Additional electric fuse

Protection degree : IP66

5 years guarantee

Solar panel specifications:

High efficient monocrystalline silicone

(tempered glass encapsulated, sandstorm proof)

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

Efficiency: > 16%

Power: 250W

Life expectancy: aprx. 25 years

20 years 80% power guaranty *

10 years 90% power guaranty *

* excepted is the complete failing (3 years guarantee)

Battery specifications:

Battery type: Lead gel 12V,
On option Li-Ion LiFePo4 battery
maintenance-free, longlife.
For solar cycling charge operation
Lifetime about 10 Years / 20°C
Autonomy 20 days (each 10h) at cloudy weather
Autarkic backup for 53 hours = 5 nights at fully charged batteries. At
absolutely no sunshine.

Battery box:

The batteries are located underground for equalized temperature (longer life)
and thieve protection.
Rigid plastic box IP67 (non walkover) with cabel protection hose, steel
reinforced:
Size: L 496 x w 280 x h 270mm
on option ABS plastic box IP66 (walk over):
Size: L 550 x w 550 x h 480mm

Including following components:

LED light fixture with arm and pole mount bracket.
2 pcs. solar battery,
Recessed battery box,
Solar module with frame and bracket for adjustable top-mount.
System controler.
Manual for easy mechanical and electrical setup in english language. Other
languages on request.
Complete pre-wired unit without pole.
Weight: 166 kg



Solar Street Light Lamp LED Qatar 300 Watt



High power PV streetlight. Made in Germany to customers specification. LED lamp 120W.
LT-Sol051-280D

Sandstorm-proof and seawater resistant PV street lighting fixture, equipped with high power LED Lamp.

Recommended for sunny regions, like desert countries, Arabia, South America, Africa, Philippines.

Very high brightness corresponds to 250 watt hps sodium light.

Long maintenance-free system lifespan, by use of efficient LED lamps and electronic 24V-60V PWM driver.

Microprocessor system control for lighting and charging.

All components are galvanized or surfaced with a grey, scratchproof 2-layers UV-resistant coating.

The screws consist of stainless steel.

This solar light is maintenance free - only the solar panel should be cleaned occasionally with water.

Our systems are provided with serial numbers, which can be validated to protect against malicious copies.

General specifications:

Lighted area: aprx. 45 x 22m

Distance from pole to pole: aprx. 40 - 45 meter

Recommended pole height: 8m - 12m

Ambient temperature: -20°C ~ +55°C (extended temperature range -35°C ~ +65°C available on request)

Max. direct sunshine temperature: 85° C / 176 F degree

Protection class: III Low safe voltage

Energy efficiency class: A+++

Approvals: CE, RoHS, WEEE

20 years sparepart supply ability.

Lamp specifications:

LED Lamp: SMD Chipset Osram

LED power: 120W

Light colour 4000K pure white (on request also 3000K warm white or 6000K daylight).

No uv-radiation for reduced insects attraction

LED efficiency: > 135 lm/w

Lamp efficiency: > 110 lm/w

Luminous flux: > 14120 lm /5500K (13600 lm /4000K)

Central illumination: >38 lux (10m pole height)

Average illumination: >23 lux (10m)

Life time: 80000 hours

Casing: Rigid aluminium die-cast. Seawater and thunderstorm-proof.

Arm length: 300mm (on request, we supply with max. 2 meter arm)

Protection degree lamp head: IP66

5 years guarantee

System controller specifications:

Programmable Processor charge controller.

Infra Red remote control

Metering memory for actual and last days system status.

Automatic lamp start at sunset and turn-off by dawn. (Level adjustable)

Timer-dimmer: Full power at start-up, automatic dimming at late night and full power again in the early morning, for more safety at low battery capacity.

All functions are pre-programmed by us, for the project and to customer specifications, so that the lamp is ready for operation immediately after installation.

Temperature feeded battery charging for extended battery life.

Overcharge and deep-discharge protection for the battery.

Reverse polarity and electronic short circuit protection.

Additional electric fuse

Protection degree : IP66

5 years guarantee

Solar panel specifications:

High efficient monocrystalline silicone

(tempered glass encapsulated, sandstorm proof)

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

Efficiency: > 16%

Power: 300W

Life expectancy: aprx. 25 years

20 years 80% power guaranty *

10 years 90% power guaranty *

* excepted is the complete failing (3 years guarantee)

Battery specifications:

Battery type: Lead gel 12V,
On option Li-Ion LiFePo4 battery
maintenance-free, longlife.
For solar cycling charge operation
Lifetime about 10 Years / 20°C
Autonomy 15 days (each 10h) at cloudy weather
Autarkic backup for 30 hours = 3 nights at fully charged batteries. At
absolutely no sunshine.

Battery box:

The batteries are located underground for equalized temperature (longer life)
and thieve protection.

Rigid plastic box IP67 (non walkover) with cabel protection hose, steel
reinforced:

Size: L 496 x w 280 x h 270mm

on option ABS plastic box IP66 (walk over):

Size: L 550 x w 550 x h 480mm

Including following components:

LED light fixture with arm and pole mount bracket.

2 pcs. solar battery,

Recessed battery box,

solar module array with bracket for adjustable top-mount.

System controler.

Manual for easy mechanical and electrical setup in english language. Other
languages on request.

Complete pre-wired unit without pole.

Weight: 265 kg



LED Solar Street Light Emirates 400W Power



Very bright PV solar streetlight for highway or intersection. Made in Germany. With LED lamp 120W.
LT-Sol051-350L

Sandstorm-proof and seawater resistant PV street lighting fixture, equipped with high power LED Lamp.

Recommended for sunny regions, like desert countries, Arabia, South America, Africa, Philippines.

Very high brightness corresponds to 250 watt hps sodium light.

Long maintenance-free system lifespan, by use of efficient LED lamps and electronic 24V-60V PWM driver.

Microprocessor system control for lighting and charging.

All components are galvanized or surfaced with a grey, scratchproof 2-layers UV-resistant coating.

The screws consist of stainless steel.

This solar light is maintenance free - only the solar panel should be cleaned occasionally with water.

Our systems are provided with serial numbers, which can be validated to protect against malicious copies.

General specifications:

Lighted area: aprx. 45 x 22m

Distance from pole to pole: aprx. 40 - 45 meter

Recommended pole height: 8m - 12m

Ambient temperature: -20°C ~ +55°C (extended temperature range -35°C ~ +65°C available on request)

Max. direct sunshine temperature: 85° C / 176 F degree

Protection class: III Low safe voltage

Energy efficiency class: A+++

Approvals: CE, RoHS, WEEE

20 years sparepart supply ability.

Lamp specifications:

LED Lamp: SMD Chipset Osram

LED power: 120W

Light colour: 4000K neutral white (on request 5000K cold white or 3000K warm white).

No uv-radiation for reduced insects attraction

LED efficiency: > 135 lm/w

Lamp efficiency: > 110 lm/w

Luminous flux: > 14120 lm /5500K (13600 lm /4000K)

Central illumination: >38 lux (10m pole height)

Average illumination: >23 lux (10m)

Life time: 80000 hours

Casing: Rigid aluminium die-cast. Seawater and thunderstorm-proof.

Arm length: 300mm (on request, we supply with max. 2 meter arm)

Protection degree lamp head: IP66

5 years guarantee

System controller specifications:

Programmable Processor charge controller.

Infra Red remote control

Metering memory for actual and last days system status.

Automatic lamp start at sunset and turn-off by dawn. (Level adjustable)

Timer-dimmer: Full power at start-up, automatic dimming at late night and full power again in the early morning, for more safety at low battery capacity.

All functions are pre-programmed by us, for the project and to customer specifications, so that the lamp is ready for operation immediately after installation.

Temperature feeded battery charging for extended battery life.

Overcharge and deep-discharge protection for the battery.

Reverse polarity and electronic short circuit protection.

Additional electric fuse

Protection degree : IP66

5 years guarantee

Solar panel specifications:

High efficient monocrystalline silicone

(tempered glass encapsulated, sandstorm proof)

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

Efficiency: > 16%

Power: 400W

Life expectancy: aprx. 25 years

20 years 80% power guaranty *

10 years 90% power guaranty *

* excepted is the complete failing (3 years guarantee)

Battery specifications:

Battery type: Lead gel 12V,
 On option Li-Ion LiFePo4 battery
 maintenance-free, longlife.
 For solar cycling charge operation
 Lifetime about 10 Years / 20°C
 Autonomy 20 days (each 10h) at cloudy weather
 Autarkic backup for 50 hours = 4 nights at fully charged batteries. At
 absolutely no sunshine.

Battery box:

The batteries are located underground for equalized temperature (longer life)
 and thieve protection.
 Rigid plastic box IP67 (non walkover) with cabel protection hose, steel
 reinforced:
 Size: L 496 x w 280 x h 270mm
 on option ABS plastic box IP66 (walk over):
 Size: L 550 x w 550 x h 480mm

Including following components:

LED light fixture with arm and pole mount bracket.
 4 pcs. solar battery,
 2 pcs. recessed battery box,
 solar module array with bracket for adjustable top-mount.
 System controler.
 Manual for easy mechanical and electrical setup in english language. Other
 languages on request.
 Complete pre-wired unit without pole.
 Weight: 265 kg



**Solar Street Light Kuwait 400
 Watt Sodium High**



Solar Street Light Made in Germany to customers specification. Electronic
 ballast 24V DC HPS sodium lamp 150w.
 LT-Sol051-375M

Sandstorm- and weatherproof PV street lighting fixture, equipped with 150W
 SHP sodium high pressure lamp.
 By use of HPS lamps, electronic 24V ballast and microcontroller system
 control,
 the light is brighter and lifespan of the lamps is longer than regular HPS.
 High quality monocrystalline solar panels 400W (tempered glass
 encapsulated, sand storm proof) aprx. 25 years life duration.
 This modern cell technology has a high degree of efficiency and allows
 charging also at cloudy weather.
 All components are surfaced with a grey, scratchproof 2-layers UV-resistant
 coating.
 The screws consist of VA stainless steel.
 Rigid aluminium die-cast metal halide street light fixture IP65 seawater and
 thunderstorm-proof.

Technical specifications:

Lamp: Sodium high pressure HPSV or metal halide (to your chice)
 Luminous flux: > 14500 lm
 Central illumination: >40 lux (10m pole height)
 Average illumination: >23 lux (10m)
 Light colour 2100K warm yellow (on request 4000K natural white).
 Microprocessor control for adjustable time and level functions and log-file.
 Automatic lamp start at sunset and turn-off by sunrise.
 Overcharge and deep-discharge protection for the battery.
 Protection grade IP65
 Distance from pole to pole = Lighted area Ø aprx. 40 meter
 Recommended pole height: 8m - 12m
 Autonomy 20 days (each 10h) at cloudy weather
 Autonomy 5 days (max. 50 h) at absolutely no sunshine

Complete pre-wired unit Including following components, but without pole:

Street light fixture with arm and pole mount bracket.
 4 pcs. maintenance-free high-power longlife Solar Gel Battery,
 2 pcs. solar module with frame and bracket for adjustable top-mount.
 Programmable Processor charge controller + intelligent light switch with
 clock.
 Recessed battery box for waterproof inground installation.
 Weight: 325 kg



Solar Street Light LED Double Arm Kuwait 2* 400W



Very bright solar street light fixture with 2 lighting heads power LED 120 Watt for the road median strip.
LT-Sol051-402L

Sandstorm- and weatherproof PV street lighting fixture, equipped with double side high power LED Lamp 120w.

Recommended for sunny regions, like desert countries, Arabia, South America.

Very high brightness corresponds to 2 * 250 watt hps sodium lights.

With efficient LED lamps, electronic 24V PWM driver and microcontroller system control, for a very long maintenance-free system lifespan.

High quality monocrystalline solar-modules 800W (tempered glass encapsulated, sand storm proof) aprx. 25 years life span.

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

All components are surfaced with a grey, scratchproof 2-layers UV-resistant coating.

The screws consist of stainless steel.

Rigid aluminium die-cast LED street light fixture IP65 salt water, mist and storm-proof.

This solar light is maintenance free - (only the solar panel should be cleaned occasionally with water).

Our systems are provided with serial numbers, which can be validated to protect against malicious copies.

Technical specifications:

LED Lamp: 2 pcs. power LED Chipset Osram 120W

Luminous flux: 2 * >11600 lm

Central illumination: >38 lux each (10m pole height)

Average illumination: >23 lux each (10m)

Light colour 4000K neutral white (on request also 3000K warm white or 6000K daylight).

Microprocessor control for adjustable time and level functions and log-file.

Automatic lamp start at sunset and turn-off by dawn.

Timer-dimmer: Full power at start-up, during midnight power reduction on 50%, in the early morning) 100% power again.

The dimming functions are programmed to your specifications.

Temperature feeded battery charging for extended battery life.

Overcharge and deep-discharge protection for the battery.

Distance from pole to pole = Lighted area Ø aprx. 40 - 45 meter

Recommended pole height: 8m - 12m

Autonomy 20 days (each 10h) at cloudy weather

Autonomy 5 days (max. 50 h) at absolutely no sunshine

Protection degree lamp head: IP66

Protection degree battery box: IP67

Protection degree controller: IP66

Protection class: III Low safe voltage

Approvals: CE, RoHS, WEEE

Including following components:

2 pcs. LED light fixture with arm and pole mount clamp.

8 pcs. maintenance-free high-power longlife Solar Gel Battery,

4 pcs. solar module with frame and bracket for adjustable top-mount.

Programmable Processor charge controller + intelligent light switch with clock.

Recessed battery box for waterproof inground installation,

Manual for easy mechanical and electrical setup in english language. Other languages on request.

(Complete pre-wired unit without pole)

Weight: 555 kg



Solar Floodlight Tower 500W / 100W LED



Mobile lighting tower with 2 flood lighting projectors LED 50 Watt.
LT-Sol051-410L

Sandstorm- and weatherproof PV flood lighting fixture, equipped with 2 pcs. high power LED floodlights 50W.
Recommended for building sites, mining, camps and events in sunny regions, like desert countries, Africa, Arabia, South America.
Very high brightness corresponds to 2 * 500 watt halogen light.
Very long maintenance-free system lifespan, by use of efficient LED lamps, electronic 24V PWM driver and microcontroller system control.
High quality monocrystalline solar-module 500W (tempered glass encapsulated, sand storm proof) aprx. 25 years life expectancy.
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
All components are surfaced with a grey, scratchproof 2-layers UV-resistant coating.
The screws consist of stainless steel.
Rigid aluminium die-cast LED street light fixture IP66 waterproof.
With rigid winch elevating tower.

Back-up energy for 50 hours = 5 days at full charged batteries. This is to avoid black-outs during rainy days.
Distance from pole to pole = Lighted area Ø aprx. 45 meter
Protection degree lamp head: IP66
Protection degree battery box: IP67
Protection degree controller: IP66
Protection class: III Low safe voltage
Approvals: CE, RoHS, WEEE

Including following components:

4 pcs. maintenance-free high-power longlife Solar Gel Battery,
2 pcs. high quality monocrystalline solar-modules.
Programmable Processor charge controler.
Rigid aluminium die-cast LED floodlight projectors.
2 LED lamp floodlight each 50W with pure white light colour.
Battery box for mobile installation,
Electrical cable, cable glands, all required electrical connectors and terminals.
Steel frame for adjustable top-mount of the solar panels.
Junction clamp for light fixture mount.
Manual for easy mechanical and electrical setup in english language - other languages on request.
Weight: 390 kg



Mobile Solar Floodlight Tower 1200W 4x100W LED



Mobile lighting tower with 4 flood lighting projectors LED 100 Watt.
LT-Sol051-420L

PV flood lighting fixture, equipped with 4 pcs. high power LED floodlights 100W.
Recommended for building sites, mining, camps and events in sunny regions, like desert countries, Africa, Arabia, South America.
Ready to use installed on a trailer.
The lift can be risen by a crank up to 5 meter high.
Lamp starting: Automatically by light sensor or by hand switch.
Luminous output: 45000 lumen
The brightness is like 4 halogen floodlights each 1000 watt.
Light colour: 4000 K (pure white). on request other colours.
Very long maintenance-free system lifespan, by use of efficient LED lamps, electronic 24V PWM driver and microcontroller system control.
High quality monocrystalline solar modules (tempered glass encapsulated, sand storm proof) aprx. 25 years life expectancy.
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
20 Years sparepart availability guarantee.

Back-up energy for 50 hours = 5 days at full charged batteries. This is to avoid black-outs during rainy days.

Lighted area Ø aprx. 60 meter
Protection degree lamp head: IP66
Protection degree battery box: IP67
Protection degree controller: IP66
Protection class: III Low safe voltage
Approvals: CE, RoHS, WEEE

Small trailer with following components:

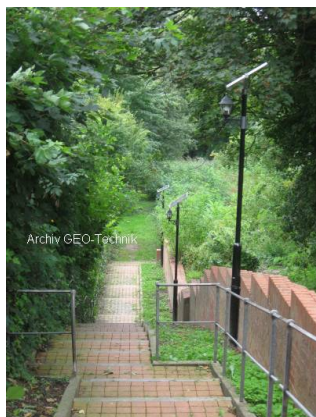
maintenance-free high-power longlife Solar Gel Battery set,
Monocrystalline solar-modules with swivel mechanism.
Processor charge controller with MPPT for maximum solar efficiency.
4 robust aluminium die-cast LED floodlight projectors, adjustable mounted.
Battery box,
operation manual in english language - other languages on request.
(Complete unit - all inclusive)

* The pictures show samples with different sizes.
Weight: 390 kg

Solar Park Pole Lights and Pedestrian Lighting



Solar Light LED Park Post Classic Design



Decorative and professional solar lamp with pole for public garden or pathways. Made in Germany.
LT-SOL06

Elegant in design and safe for use - no wire and low voltage. Convenient for self-assembling.

High quality solar panel 30W monocrystalline silicon (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.
This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.

Battery Special solar power gel accumulator 12 volt. Life time: 5-8 years.

Function well, even at low ambient temperature.

Controller: Switch on automatically with light sensor
Turn off automatically with built-in timer (default: 8 hours)

Battery over-current and deep-discharge protection
Steel pole: 3 meter hot-dip galvanized (optionally powder coated).
For mounting into concrete.

Light Source: Bright white LED lamp (600 lumens)
Luminance equivalent to one 60W incandescent lamp
Life span: 50,000 hrs

Working Conditions: Autonomous lighting time under cloudy weather: 3-5 days

Lighting range: 15 meters; Height: 300 cm
Ambient temperature: -40°C ~ +80°C (in direct sunshine)

Packing a. Carton size: 90cm x 40cm x 50cm (1 unit per carton)
Minimum ordering quantity 2 pcs., (special manufacturing).

Weight: 36 kg



Solar Double Lamp Street Light Lanterns LED



Decorative and professional solar lamp with pole for park or pathways. Made in Germany.
LT-SOL06-2

Elegant in design and safe for use - no wire and low voltage. Convenient for self-assembling.

High quality solar panel 60W monocrystalline silicon (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.

This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.

Battery Special solar power gel accumulator 12 volt. Life time: 5-8 years.

Controller: Function well, even at low ambient temperature.
Switch on automatically with light sensor
Turn off automatically with built-in timer (default: 8 hours)
Battery over-charge and deep-discharge protection

Steel pole: 3 meter hot-dip galvanized (optionally powder coated).
For mounting into concrete.

Light Source: 2 super bright white 7W LED lamps (500 lumens)
Luminance equivalent to two 60W incandescent lamps

LED Lifespan: > 50,000 hrs

Working Conditions: Autonomous lighting time under cloudy weather: 3-5 days

Lighting range: 20 meters; Height: 300 cm

Ambient temperature: -40°C ~ +80°C (in direct sunshine)

Minimum ordering quantity 2 pcs., (special manufacturing).

Weight: 45 kg



Solar Garden Pole Light LED Globe Design



Decorative and low-budget solar lamp for garden or pathways. Made in Germany.
LT-SOL07-0

Elegant in design and safe for use - no wire and low voltage operation. Convenient for self-assembling.

High quality solar panel 20W monocrystalline silicon (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.

This modern module technology grants a high degree of efficiency and allows charging also at cloudy weather.

Battery Power solar gel accumulator 12 volt maintenance-free. Life time: 5 - 8 years.

Functions well, even under low temperature.

Controller: Switch on automatically with light sensor
Turns off at sunrise or with the built-in timer.

Steel pole: 3 meter hot-dip galvanized (optionally powder coated).
For mounting into concrete.

Light Source: LED lamp (400 lumen)
Luminance equivalent to one 40W incandescent lamp
Life span: 30,000 hrs

Working Conditions: Autonomous lighting time under cloudy weather: 2 days

Lighting range: 10 meters/ height: 300 cm

Ambient temperature: -25°C ~ +40°C

Protection grade: IP54, class II

Weight: 35 kg



Solar Garden Pole Light LED Globe Design

Decorative and professional solar lamp for garden or pathways. Made in Germany.
LT-SOL07-1



Solar Park Pole Light Globe LED IR-Sensor 3m



Very bright solar lamp with 3 meter mast and presence detector for public garden and pathway. Made in Germany.
LT-SOL07-A

Elegant in design and safe to use - no wire and low voltage operation. Convenient for self-assembling.
High quality solar panel 20W monocrystalline silicon (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.
This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.
Battery: Solar gel power accumulator 12 volt maintenance-free. Life time: 5 - 8 years.

Functions well, even under low temperature.

Controller: Switch on during the night at movement of any person.

Turns off after 1 - 10 minutes (adjustable).

Battery over-current and deep-discharge protection

Steel pole: 3 meter hot-dip galvanized (optionally powder coated).

For mounting into concrete.

Light Source: Super bright power LED lamp with aluminum profile.

Luminance: 1300 Lm, equivalent 150W halogen lamp

LED Lifespan: > 30,000 hrs

Working Conditions: 480 lighting periods with 2 minutes or 192 periods with 5 minutes at full charged battery.

(Optionally with double lighting time or for continuous operation.)

Lighting range: 25 meters / height: 300 cm

Detection distance of the IR sensor: Max. 10m

Ambient temperature: -25°C ~ +50°C

Protection grade: IP54, class II

Minimum ordering quantity 2 pcs., preparing time 3 weeks (special manufacturing).

Weight: 48 kg



Solar Park Pole Light Globe LED with IR Detector



Decorative and professional solar lamp with 4 meters pole for public garden and pedestrian precinct. Made in Germany.
LT-SOL07-B

Elegant in design and safe for use - no wire and low voltage operation. Convenient for self-assembling.

High quality solar module 60W monocrystalline silicon (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.

This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.

Battery: Solar gel accumulator 12 volt maintenance-free. Life time: 5 - 8 years.

Functions well, even under low temperature.

Controller: Switch on automatically with light sensor.

Turns off at sunrise or with the built-in timer.

Battery over-charge and deep-discharge protection.

Steel pole: 4 meter hot-dip galvanized (optionally powder coated).

For mounting into concrete.

Light Source: Super bright power LED lamp with aluminum profile.

Luminance: 1300 Lm, equivalent 150W halogen lamp

LED Life span: > 30,000 h

Working Conditions: Autonomous lighting time under cloudy weather: 3 days / 29h

Lighting range: 25 meters / height: 400 cm

Ambient temperature: -25°C ~ +50°C

Protection grade: IP54, class II

Packing a. Carton size: 90cm x 40cm x 50cm (1 unit per carton)

Preparing time 2 weeks (manufacturing on demand).

Weight: 58 kg



Solar Light Pedestrian Precinct Globe LED Double Lamp



Decorative and professional solar street light for city, public garden or walkway lighting. Made in Germany.
LT-SOL07-D

Elegant in design and safe for use - no wire and low voltage operation. Convenient for self-assembling.
High quality solar module 150W monocrystalline silicon (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.
This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.
Battery: Solar gel accumulator 12 volt maintenance-free. Life time: 5 - 8 years.
Functions well, even under low temperature.
Controller: Switch on automatically with light sensor.
Turns off at sunrise or with the built-in timer.
Battery over-current and deep-discharge protection.
Steel pole: 4 meter hot-dip galvanized (optionally powder coated).
For mounting into concrete.
Light Source: Two bright LED lamps (800 lumens)
Luminance equivalent to two 75W incandescent lamps
Lifespan: 40,000 hrs
Working Conditions: Autonomous lighting time under cloudy weather: 9 days (90 h)
Lighting range: 25 meters / height: 400 cm
Ambient temperature: -25°C ~ +50°C
Protection grade: IP54, class II
Preparing time 4 weeks (special manufacturing).
Weight: 78 kg



Solar Pathway Cycle Track Lighting Globe Design LED



Decorative and professional solar street light for bike path way or walkway lighting. Made in Germany.
LT-SOL07-F

Elegant in design and safe for use - no electrical grid required. Convenient for self-assembling.
High quality solar module 75W monocrystalline silicon (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.
This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.
Battery: Solar gel accumulator 12 volt maintenance-free. Life time: 5 - 8 years.
Functions well, even under low temperature.
Controller: Switch on automatically with light sensor.
Turns off at sunrise or with the built-in timer.
Battery over-current and deep-discharge protection.
Steel pole: 4 meter hot-dip galvanized (optionally powder coated).
For mounting into concrete.
Light Source: Super bright LED lamp 900 lumens
Luminance equivalent to one 75W incandescent lamp
Lifespan: 40,000 hrs
Working Conditions: Autonomous lighting time under cloudy weather: 8 days (80 h)
Lighting range: 25 meters / height: 400 cm
Ambient temperature: -25°C ~ +50°C
Protection grade: IP54, class II
Packing a. Carton size: 90cm x 40cm x 50cm (1 unit per carton)
Preparing time 3 weeks (special manufacturing).
Weight: 58 kg

Lighting for container and accomodations



Solar Park Pole Light Globe Design 15W LED



Decorative and professional solar lamp for public garden and pedestrian precinct. Made in Germany.
LT-SOL07-H

Elegant in design and safe for use - no wire and low voltage operation. Convenient for self-assembling.

High quality solar module 70W monocrystalline silicon (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.

This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.

Battery: Solar gel accumulator 12 volt maintenance-free. Life time: 5 - 8 years.

Functions well, even under low temperature.

Controller: Switch on automatically with light sensor.

Turns off at sunrise or with the built-in timer.

Battery over-charge and deep-discharge protection.

Steel pole: 4 meter hot-dip galvanized (optionally powder coated).

For mounting into concrete.

Light Source: Super bright LED or fluorescent lamp 15W (1420 lumens)

Luminance equivalent to one 120W incandescent lamp

LED Lifespan: > 30,000 h

Acrylic globe: 400mm diameter

Working Conditions: Autonomous lighting time under cloudy weather: 3 days / 29h

Lighting range: 20 meters / height 400 cm

Ambient temperature: -25°C ~ +50°C

Protection grade: IP54, class II

Preparing time 2 weeks (manufacturing on demand).

Weight: 58 kg

Solar Park Pole Lights and Pedestrian Lighting



Solar Park Pole Light Globe Garden Design



Decorative and professional 7w solar lamp for public garden and pathway. Made in Germany.

LT-SOL07-M

Elegant in design and safe for use - no wire and low voltage operation. Convenient for self-assembling.

High quality solar panel 30W monocrystalline silicon (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.

This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.

Battery: Solar gel power accumulator 12 volt maintenance-free. Life time: 5 - 8 years.

Functions well, even under low temperature.

Controller: Switch on automatically with light sensor

Turns off at sunrise or with the built-in timer.

Battery over-current and deep-discharge protection

Steel pole: 3 meter hot-dip galvanized (optionally powder coated).

For mounting into concrete.

Light Source: Bright LED lamp (600 lumens)

Luminance equivalent to one 60W incandescent lamp

Lifespan: 60,000 hrs

Working Conditions: Autonomous lighting time under cloudy weather: 3 days

Lighting range: 15 meters / height: 300 cm

Ambient temperature: -25°C ~ +50°C

Protection grade: IP54, class II

Packing a. Carton size: 90cm x 40cm x 50cm (1 unit per carton)

Minimum ordering quantity 2 pcs., preparing time 3 weeks (special manufacturing).

Weight: 48 kg



Historical Solar Park Pole Lantern Light 4m High



Decorative and robust solar lamp for public garden lighting. Made in Germany.
LT-SOL09

Elegant in design and safe for use - no wire and low voltage operation.
Convenient for self-assembling.

High quality solar module 75W monocrystalline silicon (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.

This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.

Battery: Solar gel accumulator 12 volt maintenance-free. Life expectancy: 5-8 years.

Functions well under low temperature.

Controller: Switch on automatically with light sensor.

Turns off at sunrise or with the built-in timer.

Battery over-current and deep-discharge protection.

Steel pole: 4 meter hot-dip galvanized (optionally powder coated).

For mounting into concrete.

Light Source: Super bright LED lamp 15W (1300 lumens)

Luminance equivalent to one 120W incandescent lamp

Life span: 40,000 hrs

Working Conditions: Autonomous lighting time under cloudy weather: 3 days

Lighting range: 25 meters / height: 400 cm

Ambient temperature: -25°C ~ +50°C

Preparing time 3 weeks (special manufacturing).

Weight: 58 kg



Solar Park Light Pole LED Double Lamp Moritz



Decorative and professional solar lamp with pole for garden or pathways.
Made in Germany.
LT-SOL10-2

Elegant in design and safe for use - no wire and low voltage. Convenient for self-assembling.

High quality solar panel 60W monocrystalline silicon (tempered glass encapsulated, hailproof) aprx. 25 years lifespan.

This modern module technology offers a high degree of efficiency and allows charging also at cloudy weather.

Battery: Special solar power gel accumulator 12 volt. Life expectancy: 5-8 years.

Function well under low temperature.

Controller: Switch on automatically with light sensor

Turn off automatically with built-in timer (default: 8 hours)

Battery over-current and deep-discharge protection

Steel pole: 3 meter hot-dip galvanized (optionally powder coated).

For mounting into concrete.

Light Source: 2 super bright white 7W LED lamps (500 lumens, each)

Luminance equivalent to one 100W incandescent lamp

Life span: 50,000 hrs

Working Conditions: Autonomous lighting time: 24h under cloudy weather:

30h / 2 - 3 days

Lighting range: 20 meters; Height: 3 meters

Ambient temperature: -40°C ~ +80°C (in direct sunshine)

Minimum ordering quantity 2 pcs., preparing time 4 weeks (special manufacturing).

Weight: 46 kg



Park Solar Light Post Signio



Very attractive designed solar lamp post. Perfect for entrances, smaller places or objects.
LT-SOL11

The light distribution is only in forward direction, like a floodlight.

Control: Automatic start by the dawn sensor.

Turn-off at sunrise or over a programmable microprocessor timer, for e.g. after 8 hours.

Overvoltage and deep-cycle protection for the battery.

Including 11 watt fluorescent lamp,

High efficient solar panel 50W monocrystalline silicon (protecting glass, hailproof) aprx. 20 years life expectancy.

This modern module technology allows charging also at cloudy weather.

Working Conditions: Continuous Working duration under cloudy weather: 24h / 3 days

Lead gel solar power battery maintenance-free, longlife-type.

Autonomous lighting time: 24h

Battery contained in a waterproof box, wich has to be digged into the ground as a sun heat protection.

Massive, rectangular shaped aluminium construction, powder coated.

Total height 340cm.

Weight: 46 kg

Solar Garden Lights



Garden Solar Pole Light 33

Decorative solar lamp for garden lighting.
LT-SOL12

Solar Park Pole Lights and Pedestrian Lighting



LED Solar Street Pole Light Unique



Nice PV lamp post, LED powered by solar cells - with pole for public garden or pathways. Made in Germany.
LT-SOL16

Timeless design that fits both, in the Old City, as well as in modern pedestrian zones, parks and footpaths.

The light distribution is round, to all directions.

Solar panel 12V 20W, polycrystalline or monocrystalline silicon cell module.

Hermetically enclosed, aprx. 25 years lifespan.

This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.

Continuous working duration under cloudy weather: 3 days / 30h

The light controlling system is dawn /dusk dependent and with programmable timer.

Battery: Solar power gel accumulator 12 volt maintenance-free. Life expectancy: 5-8 years.

With overcharge protection, deep discharge protection and charge temperature compensation.

Neither needing any electrical wire, nor ditching to arrange the wire, it is so easy to fix and use them.

According to the different configuration, it can be used for three to seven days after one whole day charging.

Maintenance-free.

Without any pollution: Unique Solar lights are safe, energy saving and environmental protective, and they are very suitable to illuminate streets, schools, parks, villas, courtyards, gardens, and so on.

Including longlife LED lamp. - as bright as 60 watt (incandescent lamp)

Enlighted area aprx. 15m Ø

Total height 320cm.

Ambient temperature: - 30 deg C ... + 55 deg C

Inclusive steel pole 3 meter hot-dip galvanized (optionally powder coated) to mount into earth / concrete.

Vandalism-proof. With service door (special tool required)

Dimensions of the lamp head: Depth 310mm, Width 450mm, height 400mm

Protection IP44, class II

20 years spareparts availability guarantee.

Minimum ordering quantity 4 pcs.

Weight: 38 kg

PV Solar Street Lights for Central European Countries



LED Solar Bike Lane Light 40W with 4m Pole



LT-SOLAR39 / LT-SOLAR40

Solar cycle track, walkway, pathway lighting fixture including steel post and led lamp. Made in Germany.
LT-SOL39

This solar light is very robust and reliable - no power supply required. The light intensity is not very high, so that the light is not approved for public street lighting.
Recommended for access road, footpath, driveway, bicycle path, dead end, school, private road, bus stop ...
Energy efficiency class A + + +
Light source: Power LED lamp 600 lumens, Convenient, natural white light.
Life duration: 40,000 hours
The brightness equivalent to a 60W incandescent lamp.
Solar Panel: 40W / 50W / 60W mono-crystalline silicon (tempered glass hail-proof) about 25 years life expectancy.
This modern module technology ensures high quality and charge under an overcast sky.
High power solar lead acid AGM battery 12V, maintenance free, long life: life: 5-8 years.
Functions well, even under low temperature.
Control: microprocessor optimized charging and lighting control for extended battery life.
Automatic lamp start by sunset, turn-off by dawn or by the adjustable timer.
Overcharge and low-discharge protection for the battery.
The lighting control system is easily accessible behind a lockable door in the mast.
Steel pole: galvanized, height 400cm + 80cm to mount into concrete.
Rigid box to the underground installation of the batteries (walk-over). Size 360 x 260 x 320mm.
Autarkic operation at dark-cloudy weather:
a) Basic version: 1 day (16 hours)
b) with extension kit autumn: 2 days (24 h)
c) with extension kit winter: 4 days (40 h)
Distance from pole to pole = Lighted area Ø aprx. 20 meter
Ambient temperature: -30°C ~ +60°C
Maintenance-free (only the solar panel should be cleaned as required by snow or leaves).
The solar lamp is delivered in parts, complete with solar panel, battery, lamp and mast, for fast installation.
20 years guarantee availability of spare parts.
Weight: 55 kg



Solar Street Light LED Private Road 75W with Pole

Solar street light fixture including 5 meter post and 15w or 18w lamp. Made in Germany.

Powerful and safe - manufactured in Germany.
 Optionally with following light sources:
 1) with LED lamp 15W - 1400 Lumen, Lifespan 40000 h, white light.
 The brightness is similar to 120w halogen light.
 2) or sodium low pressure lamp LPS 18W - 1370 lumen. Lifespan 18000 h, yellow light.
 The brightness is similar to 120w halogen light.
 Solar Panel: 75W / 100W / 120W monocrystalline silicon (protecting glass, hail-proof) aprx. 25 years life expectancy.
 This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.
 Solar battery: 12V maintenance-free power gel accumulator 12 volt. Lifespan: 5-8 years. Functions well under low temperature.
 Control: Microprocessor for automatic lamp start by light sensor, turn-off by dawn or by the adjustable timer, e.g. after 8 hours.
 Overcharge and low-discharge protection for the battery.
 Pole: Steel hot-dip galvanized, height 500cm + 80cm for concreting.
 Rigid plastic case for inground-mount for the batteries, (walk-over). Size 360 x 260 x 320mm.
 Daily operation at dark-cloudy weather:
 a) Standard version: 2 days (44 hours)
 b) with extension kit autumn: 3 days (64 h)
 c) with extension kit winter: 4 days (96 h)
 Distance from pole to pole = Lighted area Ø aprx. 25 meter
 Ambient temperature: -30°C ~ +60°C
 Protection grade of the lighting head: IP54
 Protection grade of the battery box: IP67
 Maintenance-free
 Included in the shipment: High-power battery, steel pole and lamp.
 LT-SOL40



Solar Street Light LED 30W / 100W with pole



Photovoltaic road light fixture with dimmer 30w power LED and 5m post. Made in Germany.
 LT-SOL44

Powerful and robust - there is no electrical grid required.
 German production.
 Light source: Power LED white 30W - 2700 Lumen, The brightness is similar to 150w halogen light. Lifespan 40000 h, white light colour.
 Solar Panel: 100W monocrystalline silicon (protecting glass, hailproof) aprx. 25 years life expectancy.
 This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.
 Solar battery: 12V maintenance-free power gel accumulator 12 volt. Life time: aprx. 8 years.
 Functions well under low temperature.
 Control: Microprocessor for optimized battery charging and automatic lamp control,
 Programmable turn-on and off at dawn or by the adjustable timer, possible midnight brake.
 Automatic dimming during late night ours and full brightness again in the morning.
 Overcharge and deep-discharge protection for the battery.
 Pole: Steel hot-dip galvanized, height 500cm. To mount into concrete.
 Rigid plastic case for inground-mount for the batteries, (walk-over). Size 550 x 550 x 480mm
 Daily operating time at dark-cloudy weather (with fully charged battery):
 a) Standard version: 3 days (48 h)
 b) with extension kit autumn: 5 days (60 h)
 c) with extension kit winter: 7 days (80 h)
 Distance from pole to pole = Lighted area Ø aprx. 30 meter
 Ambient temperature: -30°C ~ +50°C (extended temperature range available on request)
 Maintenance-free - (only cleaning of the solar module is sometimes required).
 Included in the shipment: High-power battery, pole and lamp.
 Weight: 132 kg



Solar Street Light Double Arm LED 30W / 260W with Pole

PV street lamp light fixture with dimmer, two 30w power LED and 6 meters post. Made in Germany.

Powerful and robust - there is no electrical grid required.
 German production.
 Light source: 2 x Power LED white 30W - 2700 Lumen,
 The brightness is similar to 2 * 150w halogen light.
 Lifespan 50000 h, white light colour.
 Solar Panel: 250W monocrystalline silicon (protecting glass, hailproof) aprx. 25 years lifespan.
 This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.
 Solar battery: 12V maintenance-free power gel accumulator storing system. Life time: aprx. 8 years.
 Functions well, even under low temperatures.
 Control: Microprocessor for optimized battery charging and automatic lamp control, Programmable turn-on and off at dawn or by the adjustable timer, possible midnight brake.
 Automatic dimming during late night ours and full brightness again in the morning.
 Overcharge and deep-discharge protection for the battery.
 Pole: Steel hot-dip galvanized, height 600cm. To mount into concrete.
 Rigid plastic case for inground-mount for the batteries, (walk-over). Size 550 x 550 x 480mm
 Daily operating time at dark-cloudy weather (with fully charged battery):
 a) Standard version: 3 days (40 h)
 b) with extension kit autumn: 5 days (60 h)
 c) with extension kit winter: 6 days (80 h)
 Distance from pole to pole = Lighted area Ø aprx. 30 meter
 Ambient temperature: -30°C ~ +50°C (extended temperature range available on request)
 Maintenance-free - (only cleaning of the solar module is sometimes required).
 Included in the shipment: High-power battery, pole and lamp.
 LT-SOL45-2



Solar Street Light LED 30W / 130W with Post



www.dimmer.de

Photovoltaic street light fixture with 30w power LED and 5m pole. Made in Germany.
LT-SOL48

Powerful and safe - there is no electrical grid required.
Recommended for average sunshine regions, like Europe, southern Russia, New Zealand.
High brightness corresponds to 80 watt mercury light.
Very long maintenance-free system lifespan, by use of efficient LED lamps and electronic 24V-60V PWM driver.
Microprocessor system control for lighting and charging.
All components are surfaced with a grey, scratchproof 2-layers UV-resistant coating.
The screws are made of stainless steel.
This solar light is maintenance free - only the solar panel should be cleaned occasionally with water.
Our systems are provided with serial numbers, which can be validated to protect against malicious copies.

General specifications:

Lighted area: aprx. 25 x 12m
Distance from pole to pole: 25 - 30 meter
Ambient temperature: -20°C ~ +55°C (extended temperature range -35°C ~ +65°C available on request)
Max. direct sunshine temperature: 85° C / 176 F degree
Protection class: III Low safe voltage
Approvals: CE, RoHS, WEEE
20 years sparepart supply ability.

Lamp specifications:

LED Lamp: SMD chipset Osram
LED power: 30W
Life time: 80000 hours
Energy efficiency class: A+++
Light colour: 4000K neutral white (on request 5000K cold white or 3000K warm white).
No uv-radiation for reduced insects attraction
LED efficiency: > 125 lm/w
Lamp efficiency: > 100 lm/w
Luminous flux: 3450 Lm /5500K (3260 lm /4000K)
Central illumination: >15 Lux (at 6m pole height)
Average brightness: >18 Lux (4m)
Life time: Aprx. 80000 h
Casing: Rigid aluminium die-cast. Seawater and thunderstorm-proof.
Protection degree lamp head: IP66
5 years guarantee

System controller specifications:

Programmable Processor charge controller.
Infra Red remote control
Metering memory for actual and last days system status.
Automatic lamp start at sunset and turn-off by dawn. (Level adjustable)
Timer-dimmer: Full power at start-up, automatic dimming at late night and full power again in the early morning, for more safety at low battery capacity.
All functions are pre-programmed by us, for the project and to customer specifications, so that the lamp is ready for operation immediately after installation.
Temperature feeded battery charging for extended battery life.
Overcharge and deep-discharge protection for the battery.
Reverse polarity and electronic short circuit protection.
Additional electric fuse
Protection degree : IP66
5 years guarantee

Solar panel specifications:

High efficient monocrystalline silicone
(tempered glass encapsulated, hailproof)
This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.
Efficiency: > 16%
Power: 130Wp
Life expectancy: aprx. 25 years
20 years 80% power guaranty *
10 years 90% power guaranty *
* excepted is the complete failing (3 years guarantee)

Battery specifications:

Battery type: Lead gel 12V,

On option Li-Ion LiFePo4 battery
maintenance-free, longlife.

For solar cycling charge operation

Lifetime about 10 Years / 20°C.

Functions well, even under low temperature.

Autonomy at no sunshine or dark-cloudy weather (with fully charged battery):

a) Standard version: 4 days (48 h)

b) with extension kit autumn: 5 days (60 h)

c) with extension kit winter: 7 days (80 h)

Battery box:

The batteries are located underground for equalized temperature (longer life) and thieve protection.

Rigid plastic box IP67 (non walkover) with cabel protection hose, steel reinforced:

Size: L 496 x w 280 x h 270mm

on option ABS plastic box IP66 (walk over):

Size: L 550 x w 550 x h 480mm

Pole:

Steel pole, hot-dip galvanized,

Upper height 5 m

inground length: 800mm

Installation into concrete.

With lockable service door, for easy acces to the controller.

Including following components:

LED light fixture with arm and pole mount bracket.

Solar battery,

Recessed battery box,

Solar module with frame and bracket for adjustable top-mount.

System controler.

Steel pole.

Manual for easy mechanical and electrical setup in english language. Other languages on request.

Complete pre-wired unit

Weight: 132 kg



**Solar Street Light Bremen
30W LED Wind Power**

Hybrid streetlight fixture with solar module, power LED and spinning wind generator. Made in Germany.

Very rigid street photovoltaic-light with storing of electrical power for 5 days of lighting. Recommended for use in Northern Europe or other countries with medium or small quantity of sunshiny days.

Complete unit with solar panel, battery, wind generator, longlife discharge lamp and cables, but without pole.

By the electronic ballast the light output is aprx. 80 watts mercury high pressure lamp or like 250 watts quartz halogen.

Included:

Lighting System: Alternatively

1) 30 watt power LED: 4000K natural white color, Initial luminous flux: > 3020lm

Mean lumens after 10000 h: - 5%

2) 24V DC 35watt sodium low pressure: yellow color (highest brightness)

Wind Power Dynamotor: 300W

Solar Panel: 2x 50W monocrystalline silicon (protecting glass, hailproof) aprx. 25 years lifespan.

This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.

Solar recharge batteries: 2 pcs. 12V maintenance-free power lead-acid gel accumulator 12 volt, 10 years lifetime / 20°C

Microprocessor control unit:

with solar power input regulator for optimated battery charging and extended battery life.

Overcharge and deep discharge protection for the battery.

Event memory to read out informations for your computer.

Programmable light control for switching on and off, depending on dawn or time or with midnight-brake.

Vandal resistant lockable battery house secures battery and pcu.

Inter-connection wires.

The microprocessor light controller is mounted in the pole - easy access by a lockable door.

Independent operating time 50 hours (35W LPS version).

Lighted area Ø aprx. 30 meter

Ambient temperature: -30°C ~ +50°C (extended temperature range available on request)

Recommended space from light to light: 25 - 30 meters

The lighting pole has to be ordered extra (recommended height 6 -8 meters).

Descriptions

	WS300 wind turbine
Rated Output Power (W)	300
Max. Output Power (W)	350
Rated Wind Speed (m/s)	12.5
Rated Rotation Speed (rpm)	900
Start-Up Wind Speed (m/s)	1.3
Cut-In Wind Speed (m/s)	2
Rotor Diameter (m)	1.4
Blade Material	synthetic MC nylon & carbon fibre
Airfoil type	true foil
Governor System	aeroelastic thrust
Governor Wind Speed (m/s)	60
Shut-Down Mechanism	electric control
Battery System (Volts)	24V
Driving Type	direct driving

Charge Controller included

Over-Speed Protection yes

Low-Voltage Protection yes

Over-Voltage Protection yes

Weight (kg) 16

Minimum ordering quantity: 2 pcs.

LT-SOL50



Solar Street Light Hamburg 60W LED Wind Power



Hybrid street lamp fixture with PV solar module 235W, Power LED and spinning wind generator. Made in Germany.
LT-SOL50-6L

Powerful and safe street photovoltaic-light with storing of electrical power for 5 days of lighting.
Recommended for use in Northern Europe or other countries with medium or small quantity of sunshiny days.

Complete unit with solar panel, battery, longlife power LED lamp and cables, but without pole.

Included:

Light source: Power LED white 60W - 5400 Lumen,
The brightness is similar to 360W halogen light.
Life time 50000 h, white light colour.

Wind Power generator: 400W.

Solar Panel: 2 * 120W monocrystalline silicon (protecting glass, hailproof)
aprx. 25 years life expectancy.

This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.

Solar battery: 2 pcs. 12V maintenance-free power gel accumulator 12 volt.
Life time: aprx. 8 years.

Microprocessor control unit:

with solar power input regulator for optimized battery charging and extended battery life.

Overvoltage and deep discharge protection for the battery.

Event memory to read out informations for your computer.

Programmable light control for switching on and off, depending on dawn or time or with midnight dimming.

Rigid plastic case for inground-mount for the batteries, (walk-over). Size 550 x 550 x 480mm

The microprocessor light controller is mounted in the pole - easy access by a lockable door.

Daily operating time at dark-cloudy weather (with fully charged battery):

- a) Standard version: 2 days (25 h)
- b) with extension kit autumn: 3 days (32 h)
- c) with extension kit winter: 4 days (40 h)

Lighted area Ø aprx. 35 meter

Ambient temperature: -30°C ~ +50°C (extended temperature range available on request)

Maintenance-free - (only cleaning of the solar module is sometimes required).

Recommended space from light to light: 35 meters

The lighting pole has to be ordered extra (recommended height 7 -12 meters).

Descriptions

	WS300 wind turbine
Rated Output Power (W)	300
Max. Output Power (W)	350
Rated Wind Speed (m/s)	12.5
Rated Rotation Speed (rpm)	900
Start-Up Wind Speed (m/s)	1.3
Cut-In Wind Speed (m/s)	2
Rotor Diameter (m)	1.4
Blade Material	synthetic MC nylon & carbon fibre
Airfoil type	true foil
Governor System	aeroelastic thrust
Governor Wind Speed (m/s)	60
Shut-Down Mechanism	electric control
Battery System (Volts)	24V
Driving Type	direct driving
Charge Controller	included
Over-Speed Protection	yes
Low-Voltage Protection	yes
Over-Voltage Protection	yes
Weight (kg)	16

Minimum ordering quantity: 2 pcs.

Weight: 180 kg



Double Solar Street Light Lamp Berlin LED + Wind



Double streetlight fixture with solar module, and spinning wind generator.
Made in Germany.
LT-SOL50-D

Very rigid street photovoltaic-light with storing of electrical power for 5 days of lighting.

Recommended for use in Northern Europe or other countries with medium or small quantity of sunny days.

Complete unit with solar panel, battery, wind generator, longlife discharge lamp and cables, but without pole.

By the electronic ballast the light output is approx. 2 * 80 watts mercury high pressure lamp or like 2 * 250 watts quartz halogen.

Included:

Solar Lighting System: Alternatively:

1) pcs. 30 watt power LED: warm white color, luminous flux: > 6040lm total Mean lumens after 10000 h: - 5%

2) 24V DC 30 watt energy saving lamps: 6500K

3) 24V DC 35 watt sodium low pressure: yellow color (highest brightness)

Wind Power Dynamotor: 300W.

Solar Panel: 2x 100W monocrystalline silicon (protecting glass, hailproof) approx. 25 years lifespan.

This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.

Solar recharge batteries: 2 pcs. 12V maintenance-free power lead-acid gel accumulator 12 volt, 10 years lifetime / 20°C

Microprocessor control unit:

with solar power input regulator for optimized battery charging and extended battery life.

Overvoltage and deep discharge protection for the battery.

Event memory to read out informations for your computer.

Programmable light control for switching on and off, depending on dawn or time or with midnight-dimming.

Vandal resistant lockable battery casing secures battery and pcu.

Inter-connection wires.

The microprocessor light controller is mounted in the pole - easy access by a lockable door.

Independent operating time 50 hours

Lighted area Ø approx. 30 meter

Recommended space from light to light: 30 meters

The lighting pole has to be ordered extra (recommended height 8 - 12 meters).

Ambient temperature: -30°C ~ +50°C (extended temperature range available on request)

Descriptions

Rated Output Power (W)

Max. Output Power (W)

Rated Wind Speed (m/s)

Rated Rotation Speed (rpm)

Start-Up Wind Speed (m/s)

Cut-In Wind Speed (m/s)

Rotor Diameter (m)

Blade Material

Airfoil type

Governor System

Governor Wind Speed (m/s)

Shut-Down Mechanism

Battery System (Volts)

Driving Type

Charge Controller

Over-Speed Protection

Low-Voltage Protection

Over-Voltage Protection

Weight (kg)

WS300 wind turbine

300

350

12.5

900

1.3

2

1.4

synthetic MC nylon & carbon fibre

true foil

aeroelastic thrust

60

electric control

24V

direct driving

included

yes

yes

yes

16

Minimum ordering quantity: 2 pcs.

Weight: 206 kg

Accessories for outdoor fixtures



Extension Kit B for longer autarkic time at LT-SOL50-6
LT-SOL50-E03

PV Solar Street Lights for Central European Countries



**Solar Road
Light Solar LED
Frankfurt 30W /
200W**

Pole street light
luminaire with solar cells
200W and batteries
(sodium or LED lamp).
Made in Germany.

Very rigid street photovoltaic-light with storing of electrical power for 6 days of lighting. Recommended for use in Southern Europe or other countries with medium or higher quantity of sunny days.

(Please ask for different versions for southern countries with many sunny days).

Complete unit with solar panel, battery, longlife discharge lamp and cables, but without pole.

By the electronic ballast the light output is approx. 120 watts mercury high pressure lamp or like 400 watts quartz halogen.

Recommended space from light to light: 30 meter.

Further included:

1. Solar Panel: 2 pcs. 100W monocrystalline silicon (protecting glass, hailproof) approx. 20 years lifespan.

This modern module technology has a high degree of efficiency and allows charging also at cloudy weather. (with brackets to be assembled on the street lighting) :

2. Solar recharge battery: 2 pcs. 12V maintenance-free power lead-acid gel accumulator 12 volt, 10 years lifetime / 20°C

3. Microprocessor control unit

with solar power input regulator for optimized battery charging and extended battery life.

Overvoltage and over discharge protection for the battery.

Energy overflow management with feed-thru of not required solar power to other, external apparatus of your choice.

Event memory to read out informations for your computer.

Programmable light control for switching on and off, depending on dawn or time or with midnight-brake.

5. Solar battery charge controller and separate power casing.

6. Lighting System: Alternatively

1) 30 watt power LED: 4000K pure white light color, Initial luminous flux: > 3020lm

Mean lumens after 10000 h: - 5%

2) 24V DC 35 watt sodium LPS low pressure: yellow color (highest brightness)

7. Separate, lockable battery casing for stand or inground-mount.

The microprocessor light controller is mounted in the pole - easy access by a lockable door.

Independent operating time 80 hours (LED model).

The lighting pole has to be ordered extra (recommended height 5 - 8 meters).

On special production NEMP HEPM EMP hardened.

LT-SOL51-3L



Solar Road Light LED Frankfurt 60W LED



Bright photovoltaic street light fixture for wide roads. With 60w power LED. Made in Germany.
LT-SOL51-6L

Powerful and safe - there is no electrical grid required.
German production.

Complete unit with solar panel, battery, longlife power LED lamp and cables, but without pole.

Light source: Power LED 60W

Light color: 4000K pure white

Luminous output: 5400 Lumen

The brightness is similar to 300w halogen light.

Life time: > 40000 h

Solar Panel: 220W monocrystalline silicon (protecting glass, hailproof) aprx. 25 years life expectancy.

This modern module technology has a high degree of efficiency and allows charging also at cloudy weather.

Solar battery: 12V maintenance-free power gel accumulator 12 volt. Life time: aprx. 8 years.

Functions well under low temperature.

Control: Microprocessor for optimized battery charging and automatic lamp control,

Programmable turn-on and off at dawn or by the adjustable timer, possible midnight brake.

Overcharge and deep-discharge protection for the battery.

Pole: Steel hot-dip galvanized, height 500cm. To mount into concrete.

Rigid plastic case for inground-mount for the batteries, (walk-over). Size 550 x 550 x 480mm

Daily operating time at dark-cloudy weather (with fully charged battery):

a) Standard version: 2 days (48 h)

b) with extension kit autumn: 3 days (60 h)

c) with extension kit winter: 4 days (80 h)

Distance from pole to pole = Lighted area Ø aprx. 35 meter

Ambient temperature: -30°C ~ +50°C (extended temperature range available on request)

Maintenance-free - (only cleaning of the solar module is sometimes required).

Included in the shipment: High-power battery, pole and lamp.

Weight: 120 kg

Accessories for outdoor fixtures



Extension Kit B for longer autarkic time at LT-SOL39
LT-SOL65B



Extension Kit C for Winter operation at LT-SOL39
LT-SOL65C



Extension Kit for longer autarkic time at LT-SOL40/-07H
LT-SOL66B



Extension Kit C for Winter operation at LT-SOL40
LT-SOL66C



Extension Kit B for longer autarkic time at LT-SOL45/48
LT-SOL67B



Extension Kit B for longer autarkic time at LT-SOL45-2
LT-SOL67B2



Extension Kit C for longer operation duration at LT-SOL48
LT-SOL67C



Extension Kit C for longer operation duration at LT-SOL45
LT-SOL67C2



Special Kit 4 Autumn LT-SOL0X
LT-SOL69



Special Kit 4 Autumn LT-SOL0X
LT-SOL69-2H



Special Kit 4 Autumn LT-SOL0X
LT-SOL69-2W



Special Kit 4 Winter LT-SOLOX
LT-SOL69W

PV Solar Street Lights for Central European Countries



Solar Street Light LED Winter



LED Pole street light luminaire with more than 120 hours autarkic lighting time. Made in Germany.
LT-SOL70

Very rigid photovoltaic street light with storing of electrical power for 10 days of lighting.

Recommended for use in Northern Europe or Russian countries with lower quantity of sunny days.

By use of efficient LED lamps, electronic 12V PWM driver and microcontroller control, we have a very long maintenance-free system life time.

High quality monocrystalline solar modules 240W (protecting glass encapsulated, hailproof) approx. 25 years life time.

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

All components are surfaced with a grey, scratchproof 2-layer UV-resistant coating.

All screws are VA stainless steel.

Rigid aluminium die-cast LED street light fixture IP66 waterproof.

Technical specifications:

LED Lamp: Power LED Chipset Osram 30W

Light intensity: 2700 Lm (similar to 120W mercury high pressure lamp or 400W halogen light).

Central illumination: >15 Lux (at 6m pole height)

Average brightness: >18 Lux (4m)

Light colour 4000K neutral white (on request also 3000K warm white).

Microprocessor control unit:

- with solar power input regulator for optimized battery charging and extended battery life.

- Overvoltage and over discharge protection for the battery.

- Event memory to read out informations about LED lamp, module or battery status.

- Automatic lamp start by light sensor and turn-off by dawn.

- Smart dimming functions to economize battery charging at snow, fog, rain or storm.

- Programmable midnight-brake and power reduction 50% during late night.

Protection grade IP65

Distance from pole to pole = Lighted area Ø 25 - 30 meter

Recommended pole height: 5m - 8m

Autonomy 20 days (each 10h) at cloudy weather

Autonomy 10 days (max. 120 h) at absolutely no sunshine

Including following components:

LED light fixture with arm and pole junction clamp.

Maintenance-free high-power longlife Solar Gel Battery 12 volt, 10 years lifetime / 20°C.

Solar module with frame and bracket for adjustable top-mount.

Programmable Processor charge controller (mounted in the pole - easy access by a lockable door.)

Recessed Battery Casing for waterproof inground installation,

Manual for easy mechanical and electrical setup in English language. Other languages on request.

Our systems will be configured to your demands and the local requirements.

A product training and installation help is available.

(Complete pre-wired unit without pole)

(Please ask for different versions for southern countries with many sunny days)

Weight: 96 kg



Solar Street Light LED Moscow



LED Pole street light luminaire with more than 120 hours autarkic lighting time for Russia or Sweden. Made in Germany.
LT-SOL75

Very rigid photovoltaic street light with storing of electrical power for 10 days of lighting.

Recommended for use in Northern Europe or Russian countries with lower quantity of sunny days.

By use of efficient LED lamps, electronic 12V PWM driver and microcontroller control, we have a very long maintenance-free system life time.

High quality monocrystalline solar modules 240W (protecting glass encapsulated, hailproof) approx. 25 years life time.

This modern cell technology has a high degree of efficiency and allows charging also at cloudy weather.

All components are surfaced with a grey, scratchproof 2-layer UV-resistant coating.

All screws are VA stainless steel.

Rigid aluminium die-cast LED street light fixture IP66 waterproof.

Technical specifications:

LED Lamp: Power LED Chipset Osram 30W

Light intensity: 2700 Lm (similar to 120W mercury high pressure lamp or 400W halogen light).

Central illumination: >15 Lux (at 6m pole height)

Average brightness: >18 Lux (4m)

Light colour 4000K neutral white (on request also 3000K warm white).

Microprocessor control unit:

- with solar power input regulator for optimized battery charging and extended battery life.

- Overvoltage and over discharge protection for the battery.

- Event memory to read out informations about LED lamp, module or battery status.

- Automatic lamp start by light sensor and turn-off by dawn.

- Smart dimming functions to economize battery charging at snow, fog, rain or storm.

- Programmable midnight-brake and power reduction 50% during late night.

Protection grade IP65

Distance from pole to pole = Lighted area Ø 25 - 30 meter

Recommended pole height: 5m - 8m

Autonomy 20 days (each 10h) at cloudy weather

Autonomy 10 days (max. 120 h) at absolutely no sunshine

Including following components:

LED light fixture with arm and pole junction clamp.

Maintenance-free high-power longlife Solar Gel Battery 12 volt, 10 years lifetime / 20°C.

Solar module with frame and bracket for adjustable top-mount.

Programmable Processor charge controller (mounted in the pole - easy access by a lockable door.)

Recessed Battery Casing for waterproof inground installation,

Manual for easy mechanical and electrical setup in english language. Other languages on request.

Our systems will be configured to your demands and the local requirements.

A product training and installation help is available.

(Complete pre-wired unit without pole)

(Please ask for different versions for southern countries with many sunny days)

Weight: 96 kg