

DUPROLUX[®]
LIGHTING

Solar Lights



MERKUR[®]
GERMAN TECHNOLOGY

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Litghting



Ulrich Scheller
Export Manager

For over 100 years – since the time of Werner von Siemens – German Technology is renown for outstanding innovation and technical leadership. **MERKUR**® Ueberseehandel GmbH is committed to this long tradition.

Under **MERKUR**® German Technology we develop and produce warranted, durable high quality products in the following segments:

- Electrotechnology
- **DUPROLUX**® Lighting
- Metering
- Power Distribution
- Climatisation
- Renewable Energy

MERKUR clients worldwide can rely on our vast experience. We offer authorised distributors competitive prices better allowing them to compete in the market. We also successfully cooperate with contractors who are bidding for public utility tenders.

MERKUR® is a reliable partner with a tradition of providing individually tailored products and solutions in accordance with customers' needs. Contact us and we gladly assist you with more details about our products and services. Get in touch with us!

Export Manager

Duprolux LED Solar Technology

Duprolux LED Solar Technology

When installing LED and solar lights not only environmental awareness and government subsidies play a pivotal role but also the reduction of power consumption and bills.

LED technology reduces power consumption and maintenance charges by almost 50 % compared with current sodium vapour lamp technology and by almost 70 % compared with widely used but out of date fluorescent lamps and mercury vapour lamps.
Catalogs ...

Duprolux LED Street lights

The quality and durability of **Duprolux** German Technology LED Street Luminaires is outstanding.

- Die-cast aluminium casing with UV-resistant coating
- Quality Inspection:
- Individually checked during production
- Randomly checked for luminosity, working temperature and light distribution
Only selected materials and highest quality components are being used
- Guarantee: 5 years for fixtures and metal works
- Guarantee: 2 years for electronics and LED chips

LED Street Lights

LED street lights:

- requires no lamp change for about 7 years
- hardly any maintenance charges,
- no reflectors to clean.
- LEDs emit no UV-light radiation and do not attract insects.
- pleasant light
- high visibility
- long life
- safety at work.
- operating frequency: 50-60Hz or DC voltage
- protection degree: IP65
- colour temperature: 3000K - 5500K
- certifications: CE & RoHS
- power factor = 0.90
- ambient temperature while operating: -25 °C ... +50 °C
- Ambient temperature idle mode: -30 °C ... +84 °C
- Solid die-cast aluminium casing, grey (other colours available upon request)
- Over-charge and deep-discharge protection for the battery
- Maximum ambient temperature on request extendable

							
Order code	LSL-107	LSL-108	LSL-110	LSL-111	LSL-112	LSL-113	LSL-114
Model	Kelvin 14W	Cometa 15W	LSL-30	LSL-60	LSL-90	LSL-120	LSL-160
LED Power	14 Watt	15 Watt	28 Watt	59 Watt	91 Watt	121 Watt	157 Watt
LED Type	SMD Board	SMD Board	24x Power LED	54x Power LED	80x Power LED	110x Power LED	140x Power LED
Lumen	1060 Lm	1120 Lm	2700 Lm	6020 Lm	8100 Lm	10848 Lm	13700 Lm
Replaces	60W Halogen incandescent	75W Halogen incandescent	35W HQI / NAV = 62W HQL	70W HQI / NAV = 125W HQL	125W HQI / NAV = 175W HQL	170W HQI / NAV = 230W HQL	227W HQI / NAV = 307W HQL
Power Consumpt	15 VA	16 VA	32 VA	68 VA	98 VA	136 VA	173 VA
12V DC	10,5 - 16,0V	10,5 - 16,0V	10,5 - 16,0V	10,5 - 16,0V	10,5 - 16,0V	10,5 - 16,0V	10,5 - 16,0V
24V DC	-	-	20,4V ... 28,8V	20,4V ... 28,8V	20,4V ... 28,8V	20,4V ... 28,8V	20,4V ... 28,8V
230V AC	200 - 240V	200 - 240V	100 - 277V	100 - 277V	100 - 277V	100 - 277V	100 - 277V
Pole diameter	Side entry 42 - 60mm	Post top or side entry 48 - 60mm	Side entry 48 - 60mm	Post top or side entry 48 - 60mm	Post top or side entry 60 - 76mm	Post top or side entry 60 - 76mm	Post top or side entry 60 - 76mm
Pole height	3m - 4m	3m - 4m	4m - 6m	6m - 7m	7m - 9m	8m - 10m	10m - 12m
Distance	12 - 24m	12 - 24m	25m	30m	30m - 35m	30m - 40m	35m - 45m
Dimensions	550mm x 190mm x 115mm	580mm x 318mm x 220mm	560mm x 260mm x 110mm	754mm x 280mm x 110mm	750mm x 300mm x 110mm	879mm x 360mm x 110 mm	985mm x 360mm x 110 mm
Weight	4,1 kg	4,95 kg	5,10 kg	9,00 kg	11,00 kg	14,60 kg	17,00 kg



Solar Street Lights for Central Europe

Solar street lights for Central Europe:

- silicon mono crystalline high-efficiency solar modules
- very efficient modern module technology
- also ensures charging on cloudy days
- Solar battery: 12V
- maintenance-free power gel accumulator 12 volt
- Life time: approx. 5 - 8 years.
- microprocessor for optimized battery charging

- automatic lamp control
- programmable for automatic turn-on / off at dusk/dawn or through adjustable timer.
- Includes all required electrical cables, cable glands, electrical connectors and terminals.
- Adjustable top-mounting steel frame for solar panels.
- Junction Mounting Bracket.

A pole is not included and has to be ordered extra.

									
	Solar Pathway Light	Design Ball Solar Pathway Pole Light	Compact Solar LED Street Light 18W / 75W	Solar Street Light LED 30W / 120W	30W Street Light + Wind Power	Street Light Frankfurt 30W / 200W	Solar LED Street Light Winter	Street Light + WindPower Solar 2000	Street Light Frankfurt 60W / 240W
Order code	SSL-SOL10	SSL-SOLAR 07-F	SSL-SOLAR 40	SSL-SOLAR 48	SSL-Solar 50	SSL-SOLAR 51-3L	SSL-SOLAR 70	SSL-SOLAR 50-Double	SSL-SOLAR 51-6L
Power	2 x LED 7W	LED 15W	SOX 18W/ FL15W/ Power LED 15W	Power LED 30W	30W LED / SOX, LPS 35W	LED 30W / SOX 35W	30W / SOX DC 35W	LED 30W / SOX,LPS	Power LED 60W
Light intensity	2 x 600 Lm	900 Lm	1770 Lm / 900 Lm / 1200 Lm	> 2700 Lm	> 2700 Lm	> 2700 Lm	> 2700 Lm	2 x 2700 Lm	> 5400 Lm
Solar panel	50W	75W	75W / 100W / 120W	120W	2x 53W	2x 100W	2x 120W	2x 100W	240W
Light colour	3000 K	3000 K 4000 K	2000 K 3000 K 4000 K	3000 K 4000 K	2000 K 3000 K 4000 K	2000 K 3000 K 4000 K	2000 K 3000 K 4000 K	2000 K 3000 K 4000 K	3000 K 4000 K
Lux on ground	At 25m average illumination: > 4 Lux	At 25m average illumination: > 1,5 Lux	At 4m central illumination: 10 Lux	At 6m central illumination: 11 Lux max.	At 7m central illumination: 10 Lux max.	At 7m central illumination: 10 Lux	At 6m central illumination: 11 Lux max.	At 8m central illumination: 12 Lux max.	At 7m central illumination: 18 Lux max.
Pole	Inklusive 4m	Inclusive 4 m	Inclusive 5 m	Inclusive 5 m	7 - 8m	7 - 10m	7 - 10m	7 - 12m	7 - 12m
Dimension Battery box mm	360x 260x 320mm	360x 260x 320mm	360x 260x 320	550x 550x480	550 x 550 x 480	550 x 550 x 480	550 x 550 x 480	550 x 550 x 480	550 x 550 x 480
Ambient temp	-30°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C	-35°C ~ +50°C	-35°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C	-35°C ~ +50°C
Bad weather operating time	2 days	3 days	1 day optional: 2-4 days	2 days optional: 3-4 days	2 days optional: 2-3 days	2 days	3 days	58 hr	2 days
Weight	54 Kg	58 Kg	132 Kg	132 Kg	180 Kg	25 Kg	96 Kg	206 Kg	120 Kg
Further					300W Wind-generator			300W Wind-generator	

Solar Street Lights for Sub / Tropical Climate

LED street lights for sub tropical & tropical Climate:

- silicon mono crystalline high-efficiency solar modules
- very efficient modern module technology
- also ensures charging on cloudy days
- Maintenance-free high-power longlife solar gel battery
- programmable processor charge controller
- intelligent light switch with timer.

- Durable and highly weather resistant aluminum die-cast PV street lighting fixture
- Recessed Battery Casing 500 for in-ground installation
- includes all required electrical cables, cable glands, electrical connectors and terminals
- Adjustable top-mounting steel frame for solar panels
- junction mounting bracket






A pole is not included and has to be ordered extra.

									
	LED or LPS Solar Street Light Equador 60 Watt	LED or LPS Solar Street Light Jordan 120 Watt	HPS Sodium Solar Street Light Egypt 150 Watt	LPS Solar StreetLight Saudi 200 Watt	LED Solar StreetLight Special 170 Watt	HPS Sodium Solar Street Light Oman 200 Watt + Wind generator	LED Solar StreetLight UAE 200 Watt	LPS Solar Street Light UAE 260 Watt	LED or HPS Solar Street Light Kuwait 400 Watt
Order.-No.	SSL-SOLAR 051-060L	SSL-SOLAR 051-100L	SSL-SOLAR 051-130MH	SSL-SOLAR 051-150X	SSL-SOLAR 051-170L	SSL-SOLAR 051-175MH	SSL-SOLAR 051-220L	SSL-SOLAR 051-230X	SSL-SOLAR 051-350L
Lamp power	15W LED	30W Power LED / 35W SOX	35W SHP	55W SOX / 66W SOX	60W Power LED	70W SHP	60W Power LED	90W SOX	120W Power LED / 150W SHP
Solar Panel	60W	120W / 100W	150W	2x 100W	170W LED	2X 100W	200W	2x 160W	2x 200W
Light colour	3000K	2000K 3000K 4000K	2500K	2000K	3000K 4000K	2500K	3000K 4000K	2000K	2500K 3000K 4000K
Lux on ground	6m height: 8 Lux	4m height: >25 Lux	12m height: 10 Lux	12m height: 18/20 Lux	8m height: 22 Lux	12m height: 14 Lux	6m height: >28 Lux	12m height: 32 Lux	12m height: 40 Lux
Pole height	4 - 7m	4 - 7m	12m	12m	8 - 12m	8 - 12m	6 - 12m	12m	12m
Pole Distance	20m - 25m	25m - 30m	30m - 35m	35 - 45m	30 - 40m	30 - 40m	30 - 40m	35 - 45m	40 - 45m
Ambient Temperature	80° / 85° (stand-by) 45° / 55° (in operation)	80° / 85° (stand-by) 45° / 55° (in operation)	85° (stand-by) 50° (in operation)	85° (stand-by) 55° (in operation)	80° (stand-by) 45° (in operation)	85° (stand-by) 50° (in operation)	80° (stand-by) 45° (in operation)	85° (stand-by) 55° (in operation)	80° / 85° (stand-by) 45° / 50° (in operation)
Cloudy Operation	3 days	3 days	3 days	3 days	60 hours	3 days	3 days > 26 hours	3 days	3 days
Weight	65Kg / 85Kg	88Kg / 92Kg	96Kg	105Kg	98Kg	105Kg	105Kg	220Kg	265Kg
Options						Wind generator			
System Voltage V)	24 V	12 V / 24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V

Solar Park Lanterns

Solar Park Lanterns:

- silicon mono crystalline high-efficiency solar modules
- very efficient modern module technology
- also ensures charging on cloudy days
- microprocessor for optimized battery charging
- automatic lamp control
- programmable for automatic turn-on/off at dusk/dawn or through adjustable timer
- over-charge and deep-discharge protection
- galvanized steel pole included in the delivery
- optionally powder-coated in many different colours
- lamp control system conveniently located inside post (lockable cover)
- On request mains power adaptor for hybrid operation

										
	LED SOLAR Park Pole Light RING	Solar Floodlight with IR motion detector	LED Solar Park Lantern Classic	Solar Park Pole Light Design Ball	Solar Pathway Pole Light Ball LED	New Solar Light LED Park Lantern	Solar Park Pole Light Classic High	Signio Park Solar Light Lantern	Unique Solar Pole Lantern Light	Induktion LED Street Pole Light
Order code	SPL-SOL-RING	SPL-SOL-SPOT	SPL-SOLAR 06	SPL-SOLAR 07-1	SPL-SOLAR 07-F	SPL-SOLAR 08	SPL-SOLAR 09	SPL-SOLAR 11	SPL-SOLAR 16	SPL-SOLAR 17
Lamp power	8W Power LED	10W LED floodlight	7W LED	Fluo 7W	15W LED	7W LED	12 W LED	6W LED	7W LED	10W LED
Solar Panel	40W	20W	20W	20W / 30W	75W / 40W	30W	40W	50W	20W	25W
Lichtfarbe Light colour	3000K	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K	4000K
pole height	3m	3m	3m	3m	4m	3m	4m	3m	3m	3m or 4m
distance										16 - 20m
Ambient temperature	-30°C ~ +50°C	-25°C ~ +80°C	-25°C ~ +80°C	-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +80°C	-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C	-30°C ... +60°C
Max. Operation cloudy weather	24 Hrs	70 cycles à 2 minutes	2 - 3 Days	3 Tage / Days	3 Days	2 - 3 Days	3 Days	22 Hrs	24 Hrs	22 Hrs
Weight	55 Kg	25 Kg	23 Kg	45 / 48 Kg	58 Kg	23 Kg	58 Kg	30 Kg	23 Kg	23 Kg
Options		Movement detector	1 or 2 Lights					Rectangular pole		

Solar Garden Lights



LED Solar Wall Mounted Light with IR Sensor MB-3110y

Automatic lamp-start at darkness and movement of a person.
Switches off after a few minutes.

- Solar panel: 9V 400mA
- Battery 6V 4Ah
- LEDs 54 daylight white 6000K
- Protection degree IP 44
- Dimensions (B/T/H): 140/140/245 mm
- Luminosity: 80Lm
- Colour: black



Solar LED Bollard Light 'Korfu', Stainless Steel MB-QG137s

Improved version with extended battery lifetime.
Automatic lamp-start at sunset.

- Solarpanel Modul: 6 x 6 cm
- Battery: 2 metal hydride NiMH 600mAh
- Material: polished stainless steel
- Protection degree: IP44
- Dimensions: 500 or 1000 mm, Ø 115 mm
- Ground plate: Ø 133 mm

Solar Garden Lights



Solar LED 4 Path Light, Stainless Steel MB-QG138

Improved version with 4 powerful LEDs.
Automatic lamp-start at sunset.

- Material: polished stainless steel
- Battery: 2 * NiCd 1200mAh
- Protection degree: IP44
- Distance: 4 m (from light to light)
- Dimensions: 500 mm, top Ø 210 mm
- Light range: ~ 2m
- Weight: 2 kg



Solar LED 25 Path Light, Stainless Steel MB-QG139

High quality, weatherproof light for mount onto
stone or concrete.

Light source superbright white LED. The bright-
ness is much more intensive than the common
available solar pathway lights.

The energy is stored in a lead-acid battery
6V 4500 mAh.

Large solar panel.

Automatic lamp start at dawn by the built-in
opto sensor.

Sunlight charging time 6 hours. Working
10-12 hours /night.

Operating for 3 consecutive cloudy days.

- Material: Aluminium grey powder coating
- Light source: Power LED
- Protection degree: IP65
- Dimensions: 80 cm / top Ø 280 mm
- Ground plate: Ø 145 mm
- Distance: 5 m – 7 m
- Weight: 3,5kg

Solar Garden Lights



Adjustable Solar LED garden spotlight MH-SOLO8

High quality, weatherproof light with ground spike stainless steel and battery pack. The energy is caught by the solar panel and stored in the battery. Automatic lamp start at sunset by the daylight sensor.

- Material: polished stainless steel with plastic
- Light source: 3 bright white LEDs
- Protection degree: IP44
- High: 250 mm
- Solar module: 95 mm



Garden Solar Light Stone MH-SOL20

Small solar Light in stone solid design. Strong LED spotlight with three Leds. Automatic lamp start at night. Additional on-off-switch.

- Polyresin
- Light source: 3 bright white LEDs
- Autarkic time: ~ 7 hours
- Dimensions: 110 x 90 x 110 mm
- Ground plate: Ø 145 mm

Solar Garden Lights



Solar LED garden light with spike MB-QG19T128

LED inox garden light with solar cell.

The light source is a white LED with extremely long service life.

The energy is stored in a NiMh battery and a light sensor automatically turns on in the dark.

Includes battery and LED bulbs.

- Material: polished stainless steel with plastic
- Light source: bright white LED
- Autarkic time: 7 hours
- Height: 43 cm

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