

Sensor-Switched Floodlights

Sensor LED light XSolar GL-S

New Products

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Efficiency and flexibility. Sensor-switched LED light XSolar GL-S, for pathways, gardens and patios, no power connection needed, includes bases in three lengths, 140° coverage angle, 4,000 kelvins, rechargeable lithium-iron-phosphate battery, on-demand lighting for up to 50 days, optional basic light level.



Details

Light ON / OFF – automatically and without electricity costs

Innovative sensors respond to movements and light levels, automatically switching the powerful LED light ON and OFF again when it is no longer needed.

The sensor-switched XSolar GL-S LED light epitomises the combination of efficiency, elegance and flexibility. Bright light, 365 days of the year, zero energy costs. Ideal for ground-mounting on paths, drives, patios and in gardens – wherever there's no power connection. Supplied with a choice of bases in different lengths, the XSolar GL-S can be adapted to suit any particular need. The choice is yours: 45 cm, 63 cm or 100 cm high. This flexibility goes hand in hand with a technology line-up that includes LED, sensor, solar-module and high-performance rechargeable battery.

One by one: the 1.2-W LED lighting system delivering a sensational 124 lm/W of light is 12 times more efficient than a conventional bulb and provides even illumination for an area up to 30 m². The LED has a life of around

50,000 h or 30 years. Maintenance-free and no need to change a bulb. The XSolar GL-S also comes with an infrared sensor that's integrated underneath the LED panel where it is virtually hidden from view. Angle of coverage: 140°. Reach: 5m radially. This means light is only switched ON when it's needed. The sensor function automatically switches the light ON when light levels fall to 2 lux, with stay-ON time controlled by software. This patented intelligent microprocessor control system ensures maximum energy efficiency. There's also a basic light-level function.

Let's take a look at the two veritable stars of energy efficiency featured in this innovative lighting system. To begin with, the XSolar GL-S is equipped with a monocrystalline solar panel with matt-finished mineral glass cover for optimising the conversion of sunlight into energy. Solar panel and LED panel both turn. Additionally integrated, the compass makes easy work of aiming the solar panel due south. On top of this, the XSolar GL-S is also fitted with a powerful 2500 mAh high-performance lithium-iron-phosphate rechargeable battery. This comes fully charged and provides on-demand lighting for up to 50 days from the very first minute. Rechargeable lithium-iron-phosphate batteries are capacitance wizards, they don't discharge and function with any loss of power even in frosty temperatures. They can also be recharged at a micro-USB port – if ever the sun doesn't feel like shining over a prolonged period.



High-end monocrystalline solar panel



Lithium-Ferrum battery included



LED-System included



Sensor with Fresnel lens included



Basic brightness



Compass for setting the panel to face south

Technical specifications Sensor LED light X Solar GL-S White

European Article Number (EAN)	4007841671204
Dimensions (h x w x d):	3 installation heights possible: 1178 x 198 x 186.5 mm (long) 682 x 198 x 186.5 mm (short) 808 x 198 x 186.5 mm (medium)
Power connection	Solar supply, no mains power required
Solar panel	Monocrystalline under glass
Rechargeable battery	2500 mAh LiFePo
Sensor type	Passive infrared
Output	1.2 W LED
Brightness	150 lm
Efficiency	124 lm/W
Light colour	4000 K / SDCM 5
Colour rendering	Ra ≥ 80
LED life expectancy	50.000h (L70B10 to LM80) h
LED cooling system	Passive Thermo Control
Detection angle	140°
Swivelling range	Solar panel: ± 165° LED panel: +/- 60°

Reach	5 m max. (mounting height 1 m)
Response brightness	2 lx
Time setting	software-controlled, 10 – 30 sec.
Basic light level	3% all night long (optional)
Special features	Integrated compass for aiming the solar panel due south
IP rating	IP44
Protection class	III
Material	UV-resistant plastic with aluminium base
Temperature range	-20 - +40°C
Version	White
With lamp	STEINEL LED system

Application

For pathways, gardens and patios: 365 days of automatic lighting even where there's no connection to the power supply.

