

Product SPECIFICATION SHEET



SGL-A-3501

Application

The SUNMASTER designer solar light is a solar-powered LED lighting solution that can be used at any location where there is no mains power supply.

Thanks to its timeless, prizewinning design, the SUNMASTER is excellent for lighting modern urban space as well as protected monumental structures. The ingenious operating system guarantees flawless function for several nights even during the worst weather. According to EN13201 the SUNMASTER is superlative for the illumination classes S5 and S6; that is to say, for side streets with minimal traffic, squares, parking places etc.

Function

Due to its modular assembly concept, the SUNMASTER can be set up and focused with its optional ground dowel within an hour. In order to adapt the light to different light emission situations, two LED head variants (square and road) are available. As a standard, the specially developed energy management feature calculates optimal LED activation, in order to dim the light during defined periods as required and thus guarantee an energy reserve up to 3 nights long. The additionally integrated time management feature allows customers to choose, at no extra charge, (ex works) between 3 settings, and by nightly dimming or

switching off to extend the reserve up to 4 nights in length. The SUNMASTER is standard delivered with a heatproof battery (up to 60 °C).

Options

In addition to the standard colours of white and anthracite, the SUNMASTER can also be ordered in other RAL colours at an additional charge.

An added-value package combines a guarantee extended to 6 years with replacement battery and special anti-theft screw set.



BRANCH CONTACT DETAILS

Johannesburg	010 202 3300
Germiston	011 418 9600
Cape Town	021 510 0710
Pinetown	031 700 4215
Riverhorse	031 492 4800

NATIONAL CALL CENTRE

Sales	010 202 3400
Technical	010 202 3500

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Technical data

Photovoltaics	
Module	Monocrystalline silicium cells
Open circuit voltage Uoc	21.6V
max. voltage Umpp	17.5V
Short circuit current Isc	2.0A
max. current Impp	2.32A
max. output Pmpp	35W
Tolerance Pmpp	+ - 3%
Dimensions module	670mmx540mmx30mm
Level of effectiveness of solar cells (moulded)	17%
Weight	4.5kg
Guarantee (the guarantee period commences on production date)	2 years with 100% product guarantee 5 year guarantee on 90% minimum output 10 year guarantee on 80% minimum output



Battery	
Capacity	40Ah (AMG)
Voltage	12V
Battery life	approx. 5 – 6 years
Operating temperature	-20° to +60 °C
Miscellaneous	Battery also charges on cloudy days

Illuminant	
LED max. output	9x1W
LED max. light flux	1170lm
Typical light flux	800lm
Colour temperature	5.600K to 6.500K
Autonomous time with full battery max.	45h
LED life	> 50,000h
State-of-the-art LED	Insect-neutral light

Energy and time management:

V	Function	Light output	Time
1.	Dimming	50%	24:00-5:00
2.	Switching off	0%	24:00-5:00
3.	Continuous illumination* (with energy management)	100%	Shines all night

*We recommend the continuous illumination of the SUNMASTER only in countries where an extreme amount of sun shines in.

Dimensions	
Total height from ground level	4.0m
Light point level from ground level	3.2m
Total mast length	3.6m
Length of mast installed in ground	0.6m
Materials	Mast aluminium, head PE weatherproof, long-term stable
Protection type	IP65
Guarantee/warranty	2 years (incl. battery)

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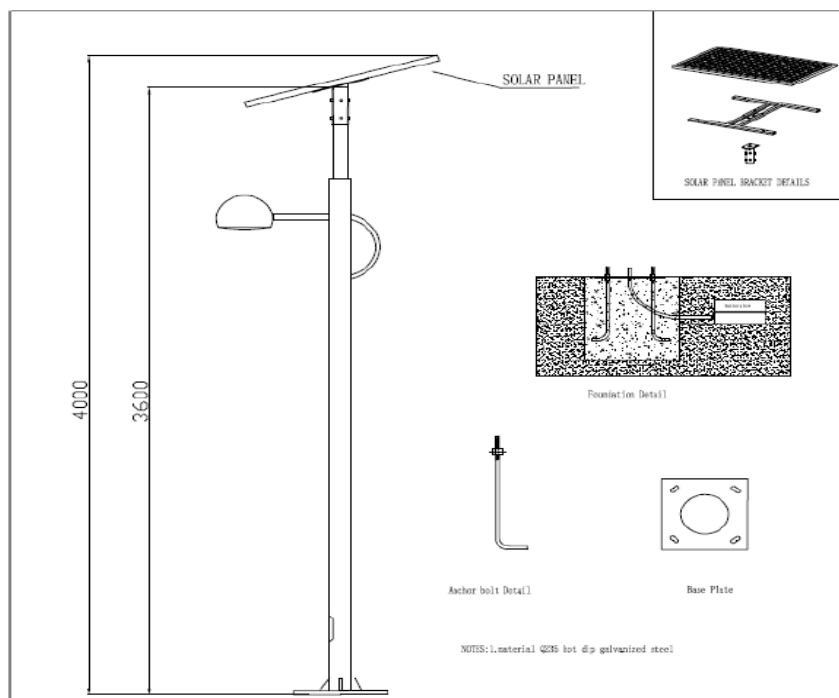
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Dimensions and weight for transport

Light head in box - Dimensions - Weight	800mmx600mmx340mm 16kg
Mast in round box - Length - Diameter - Weight	3700mm 150mm 16kg
Krinner screw foundation in box - Length - Diameter - Weight	1,100mm 150mm 7.5kg

Maintainance cycles

Recommended Battery replacement	after 6 years
Recommended LED replacement	after 12 years



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