



the sunFLOWER™



Amenity lighting gets beautiful
& practical with **solar**

 Sombbrero Shelters LLC

 zeta
S O L A R



The **sunFLOWER™** is a beautiful yet practical answer to amenity lighting

Perfect for **remote or rural areas** where mains connection is not an option or a cost effective, sustainable energy solution is preferred.

Ideal for pedestrian areas, steps, paths, gardens, car parks, cycle ways and any remote location.

Cleverly designed to optimize solar capture, the sunFLOWER™ gathers electrical power during the day via an integral solar panel. **This panel charges a maintenance free battery**, providing high power LED lighting at night. Using the integrated Passive Infrared sensor (PIR) the lighting level can be increased automatically when a pedestrian is within 16 ft., after a preset period the lighting level is then slowly dimmed. This not only saves energy, but also reduces light pollution.

This **state of the art design** combines the very latest in solar capture and LED illumination that can now compete with conventional power supplies.

A sophisticated and comprehensive **Energy Management Controller** hidden within the sunFLOWER™ optimizes the power captured and continually monitors the battery condition to ensure year round reliable operation. Additional features controlled by the EMS are the lighting on/off times which can be programmed at the time of installation.

A unique feature of the sunFLOWER™ is that not only are the brightness levels programmable on installation, but the light level can be dimmed automatically when there are no pedestrians in the vicinity.

The cost of installing grid connected amenity lighting can run into hundreds if not thousands of pounds depending on the amount of cabling and trenching required for each installation.

By choosing a solar option, these costs are eliminated along with on-going energy bills, initial connection charges and annual connection checks.



*Maintenance free long
life battery*



*Highly efficient
Intelligent controller*

Long life hi-efficiency solar panel

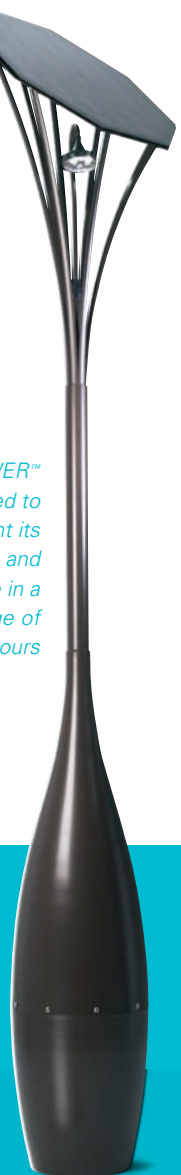
Advanced ultra bright LED's giving illumination to Class S4 (BS5489-1)

Integrated passive Infrared sensor (PIR)

sunFLOWER™ is designed to complement its surroundings and is available in a wide range of attractive colours

The sunFLOWER™ Benefits

- Environmentally friendly
- Eliminates light pollution
- No mains connection
- Easy installation
- No utility bills
- High reliability and long life



General Information

Programmable on/off times

Built in PIR (automatic increased illumination when anyone is detected within a 16 ft. radius)

Approximate height 12 ft

Solar panel life over 18 years

Battery life up to 10 years

3 Year Warranty

Design registration 569520-0001

Patent pending

Various colour options for large orders

Installation

To enable flexibility at the time of installation the base section and top section have been designed to incorporate a variety of fixing options. The design allows the base to be installed without the need to precisely align the top section. This means that the panel can be orientated at a later date to receive the maximum solar radiation. In addition, the lighting section is also adjustable which allows directional angling of the LED's.

About Zeta

Zeta Solar is an award winning company which specializes in Solar based lighting products.

Sombrero Shelters is the exclusive distributor of Zeta Solar products in the U.S.

For more information visit www.sombreroshelters.com

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Sombrero Shelters LLC
PO Box 8088
Elkridge, MD 21075

Tel 888.461.6212
Fax 888.522.6472