

# SOLIS COLUMN

BOLLARDS

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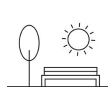
Solar Bollard



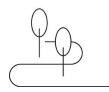
# SOLIS COLUMN

**Designed to last  
No matter the conditions**

The SOLIS COLUMN by Bullard Solar is an energy-efficient outdoor lighting solution designed to illuminate pathways, parks, and public spaces with reliable solar power. It features high-efficiency monocrystalline solar panels, advanced power management, and lithium battery storage to ensure consistent performance even in low-sun conditions. The light delivers uniform, glare-free illumination at ground level, improving safety and visibility without disturbing pedestrians or drivers. Built with durable, weather-resistant materials and offering a long lifespan, it provides a low-maintenance and cost-effective lighting solution for various outdoor environments.



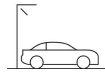
Park & Garden



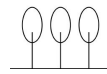
Hiking Trails



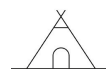
Places



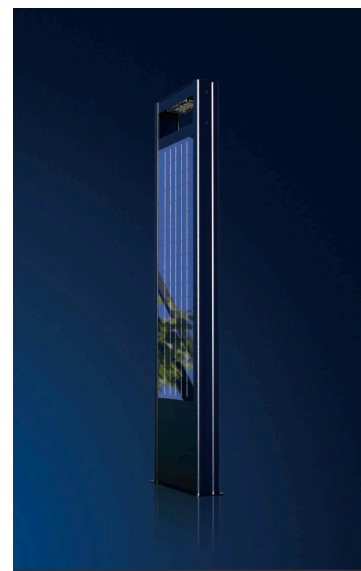
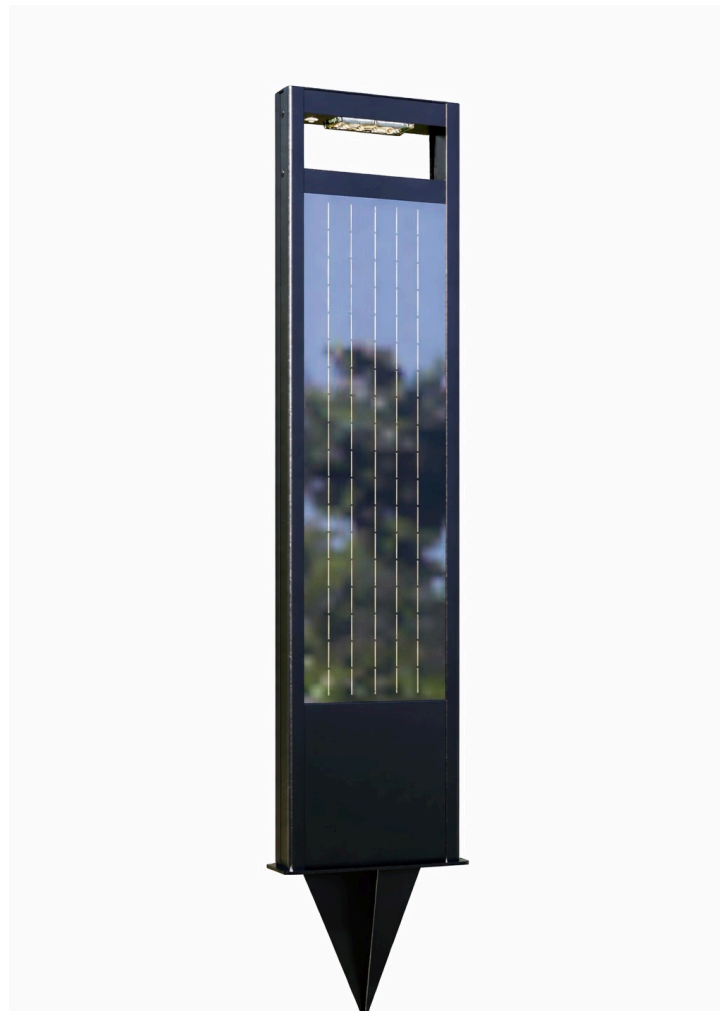
Car Park & Rest



Pathways



Campsites



# SOLIS COLUMN

FIXTURE TYPE: \_\_\_\_\_

PROJECT NAME: \_\_\_\_\_



**MATERIAL:**

Aluminum alloy, Anti-corrosion coating

**LIGHTING:**

LED

**VOLTAGE:**

110-277V

**BATTERY:**

Quality lithium LiFePO4 batteries are used to store the energy, provide energy for immediate requirements, and enable a back-up for days when there is little or no sun.

**ENERGY:**

Energy saving, 50000 hours lifespan

**SOLAR PANEL:**

Mono - crystalline silicon solar panels with high efficiency and long lifetime are used

**MECHANICAL:**

Highly efficient controller to charge your batteries and intelligent microprocessor controlled algorithms for light management ensure maximum uptime. Microprocessor managed algorithms autonomously determine sunrise and sunset.

**CRI:**

≥70

**IP RATING:**

IP66

**WARRANTY:**

5 years including on-site support

**OPERATING TEMPERATURE:**

-20°C to +60°C / -4°F to 140°F (Charge: 0°C to 60°C / 32°F to 140°F & Discharge: -20°C to 60°C / -4°F to 140°F)  
Storing Temperature: -20°C to +60°C / -4°F to 140°F



Bullard Solar retains the right to modify or change product specifications without prior notice, as part of our ongoing commitment to improvement



Due to the dynamic nature of lighting products and the associated technologies, luminaire data on all specification sheets is subject to change at the discretion of Gordon Bullard LLC and associated companies.

ONE WITH THE SUN

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# SOLIS COLUMN

FIXTURE TYPE: \_\_\_\_\_

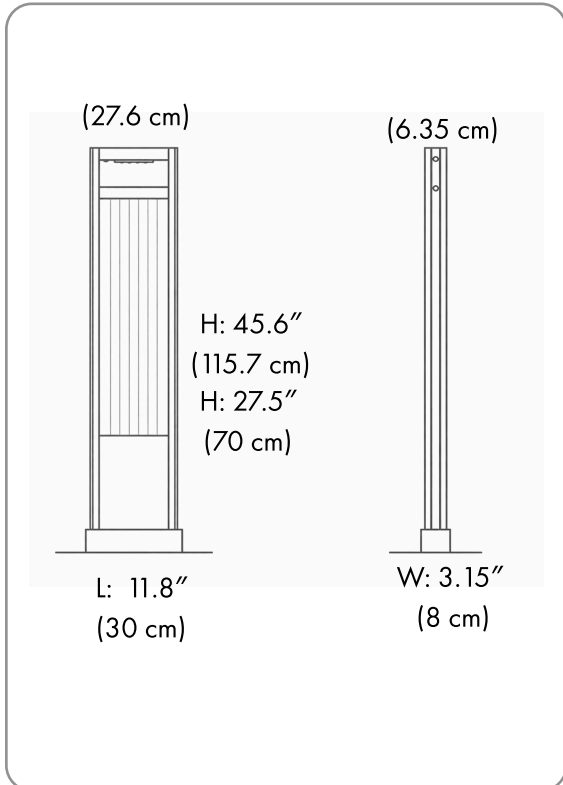
PROJECT NAME: \_\_\_\_\_

## HOW TO ORDER:

Example:  
CODE: BS-SOCO-ES-S-K50-DIM-WDG

## CODE:

BS-SOCO-ES-S-K50-  
DIM-WDG



## 1 MODELS:

-S

### DIMENSIONS:

Hight - H: 27.5" (70 cm)  
Depth length - L: 11.8" (30 cm)  
Depth width - W: 3.15" (8 cm)

### LIGHTING SOURCE:

LED / 5W / 110-277V / 850 lm

### BATTERY CAPACITY/SOLAR PANEL:

12.8V/12AH / 2 pcs 24W/18V

-M

### DIMENSIONS:

Hight - H: 45.6" (115.7 cm)  
Depth length - L: 11.8" (30 cm)  
Depth width - W: 3.15" (8 cm)

### LIGHTING SOURCE:

LED / 8W / 110-277V / 1360 lm

### BATTERY CAPACITY/SOLAR PANEL:

12.8V/18AH / 2 pcs 30W/18V

## 2 CCT:

-K45 4500K  
-K50 5000K  
-K55 5500K  
(2500K-5500K optional)



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# SOLIS COLUMN

FIXTURE TYPE: \_\_\_\_\_

PROJECT NAME: \_\_\_\_\_



## HOW TO ORDER:

Example:  
CODE: BS-SOCO-ES-S-K50-DIM-WDG

## CODE:

BS-SOCO-ES-S-K50-DIM-WDG

**3 DIMMING OPTIONS:**

-DIM PIR

**4 LED LIFESPAN RATING:**

L70>100,000hours

**5 ACCESSORIES:**

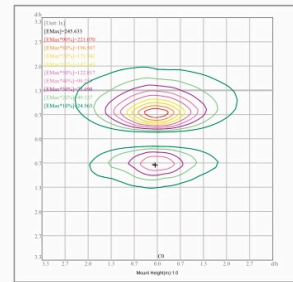
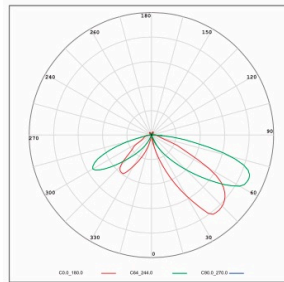
-WDG Installation with wedge



-PLT Installation with base plate



**6 PHOTOMETRY:**





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FIXTURE TYPE: \_\_\_\_\_

PROJECT NAME: \_\_\_\_\_

## LIFEPO4 BATTERY



### OVER 10 YEARS LIFESPAN

This Series features an advanced Iron Phosphate Lithium LiFePo4 battery, widely recognized as the best chemical technology for solar applications. With a remarkable life cycle of over 3000 cycles at 80% DOD, this battery provides reliable and efficient power for over 10 years.

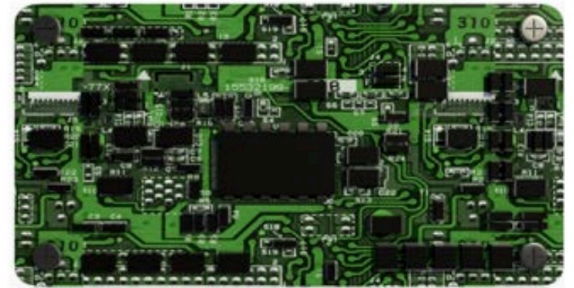
## EXTREME TEMPERATURE

14°F to 158°F (-10 °C to 70°C)

When Standard Lithium LiFePo4 batteries enjoy a working temperature range from 14°F to 158°F (-10°C TO 70 °C), Bullard Solar offers as optional a new Special LIFEPO4 battery with working range of -40°F to 158°F (-40°C to 70°C)

### BMS ELECTRONIC PROTECTION BATTERY MANAGEMENT SYSTEM

Our batteries are equipped with electronic circuit boards for a higher protection, ensuring battery functioning optimization in any situation.



#### THE BMS PROTECTS AGAINST

- OVER/UNDER CURRENT • OVERLOAD • OVER/UNDER VOLTAGE
- OVER/UNDER CHARGE • TEMPERATURE MANAGEMENT

### COMPARISONS OF DIFFERENT BATTERY TECHNOLOGIES

**LIFETIME & CYCLES AT 80% DOD\***  
Comparison of different battery technologies



Lead Acid  
**200**



NimH  
**700**

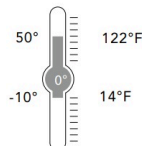


Lithium ION  
**800**

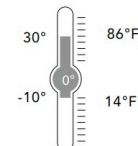


Lithium LifePO4  
**3 000**

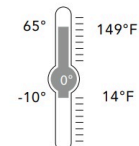
**CHARGING TEMPERATURE RANGE  
WITHOUT CAPACITY LOSS**  
Minimum & Maximum temperature range for  
Optimal charging during the day



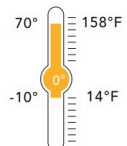
Lead Acid



NimH



Lithium ION



Lithium LifePO4



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