

SOLIS APOLLO



KEY ADVANTAGES

- > **Solar-powered bollards offer a sustainable, cost-effective, and reliable lighting solution for a variety of outdoor applications.**
- > **They can be installed in remote or off-grid locations where access to electrical infrastructure is limited**
- > **They improve visibility and safety in pathways, parks, and parking lots, deterring criminal activities.**
- > **Solar bollards can enhance the aesthetic appeal of outdoor spaces.**
- > **Can be equipped with features like motion sensors and timers for improved functionality and energy efficiency.**

Solar-powered bollards offer an ideal solution for areas lacking sufficient light or where lighting may be obstructed. Unlike traditional poles, solar bollards can be strategically placed in locations where pole installation might be challenging. They emit low-level lighting, making them perfect for pathways and cycleways.

Equipped with built-in sensors, the lighting dims to a low level when inactive, activating again upon detection. Crafted from aluminum extrusion and polyester powder coated, these bollards are designed to provide reliable, maintenance-free lighting for many years, ensuring durability and efficiency.

WHY SOLAR LIGHTING?

Solar lighting offers significant savings compared to grid lighting.



Energy savings

With solar lighting, there are no electricity costs because the luminaires are powered by renewable energy from the sun. This means that businesses and communities can save money on their electricity bills, which can add up to significant savings over time.



Installation savings

Solar lighting can be installed quickly and easily without the need for electrical infrastructure. This means that installation costs are much lower than grid-connected lighting, especially in remote areas or areas with difficult terrain.



Maintenance savings

Solar LED lighting requires minimal maintenance. With no reliance on power transmission or distribution infrastructure, there are fewer components to wear out or require maintenance. There is no need to schedule specific maintenance for the solar kit as the solar panels are self-cleaning. This means that maintenance costs are much lower than with grid lighting.



Environmental savings

Solar lighting is an environmentally friendly, cost-effective alternative to grid lighting, with no greenhouse gas emissions. It offers significant savings on electricity, installation, maintenance, and environmental impact, helping businesses and communities reduce costs and their environmental footprint.



CHARACTERISTICS

GENERAL INFORMATION

| | |
|------------------|---|
| Product Code | SS3W7401360233A |
| Mounting height | 1m Other sizes available on request |
| Testing standard | AS/NZS 60598.1:2017 |
| Warranty | Battery-5 yrs, Solar array 25 yrs performance warranty Overall 5 yrs. |

HOUSING AND FINISH

| | |
|-------------------|------------------------|
| Housing | Marine Grade Aluminium |
| Colour | RAL 9017 Black |
| Tightness level | IP65 |
| Impact resistance | IK 08 |

OPTICAL INFORMATION

| | |
|------------------------------|-------------|
| LED colour temperature | 3000K/4000K |
| Colour rendering index (CRI) | 70 |

PERFORMANCE

| | |
|----------------|----------|
| Lumen output | 270lm |
| Lumen efficacy | 150lms/w |

ELECTRICAL INFORMATION

| | |
|--------------------|---------|
| System Voltage | 3.2VDC |
| System wattage | 12 |
| Battery | LiFePO4 |
| Autonomy | 3 Days |
| Peak Rated Wattage | 4W |

OPERATING CONDITIONS

| | |
|---------------------------------------|-------------------------|
| Operation | Integrated Dusk to Dawn |
| Temperature range from operation (Ta) | -20°C to + 40°C |

DIMENSIONS

| | |
|-------------|-------------|
| Weight (kg) | 5kg |
| W x H (mm) | 196Ø x 1000 |

ORDER CODES

| PRODUCT CODE | NAME | WATTAGE | OPTIC |
|-----------------|--------------------|---------|-------|
| SS3W8401360233A | Apollo Round 360° | 3 | 360° |
| SS3W8401180233B | Apollo Round 180° | 3 | 180° |
| SS4W8401360234 | Apollo Square 360° | 4 | 360° |