

# SOLIS HELIO



## KEY ADVANTAGES

- > **Hassle-Free Installation:** A comprehensive solution with battery, panel, charger, and sensor all housed in a single unit.
- > **Versatile Mounting Options:** Offers both post-top and horizontal outreach mounting for flexible installation.
- > **Extended Autonomy:** Designed with up to three days of autonomy, ensuring reliable operation.
- > **Energy Efficiency:** Features dimming profiles, making it ideal for energy-efficient lighting in pathways, parking areas, and security lighting applications.

The compact integrated unit offers a hassle-free, comprehensive solution for illuminating smaller areas. Housing the battery, panel, charger, and sensor within a single unit, it offers the choice of either post-top or horizontal outreach mounting, ensuring flexibility in installation.

Engineered with up to three days of autonomy and dimming profiles, this integrated model is ideal for pathways, parking areas, or enhancing security lighting.

## 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	SS12W740XT3231 SS18W740XT3231 SS30W740XT3231 SS50W740XT3231
Mounting height	4.5-9m
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	1800-8600lm
Lumen efficacy	180lms/w

ELECTRICAL INFORMATION

System Voltage	3.2VDC to 12.8VDC
System wattage	12, 18, 30 & 50W
Battery	LiFeP04
Autonomy	3 Days*
Peak Rated Wattage	12-75W

OPERATING CONDITIONS

Operation	Programmable time scheduling.
Temperature range from operation (Ta)	-20°C to + 50°C

DIMENSIONS

Weight (kg)	19.5/25kg
L x W x H (mm)	825 x 365 x 84mm, 1030 x 445 x 160mm
Mounting possibilities	12W-50mm Horizontal, 18W-60mm Horizontal 30W-60mm Horizontal & Vertical, 50W-76mm Horizontal & Vertical

ORDER CODES

PRODUCT CODE	NAME	WATTAGE	OPTIC
SS12W740XT2231	Helio	12	T2
SS18W740XT2231	Helio	18	T2
SS30W840XT3231	Helio	30	T3
SS50W740XT3231	Helio	50	T3