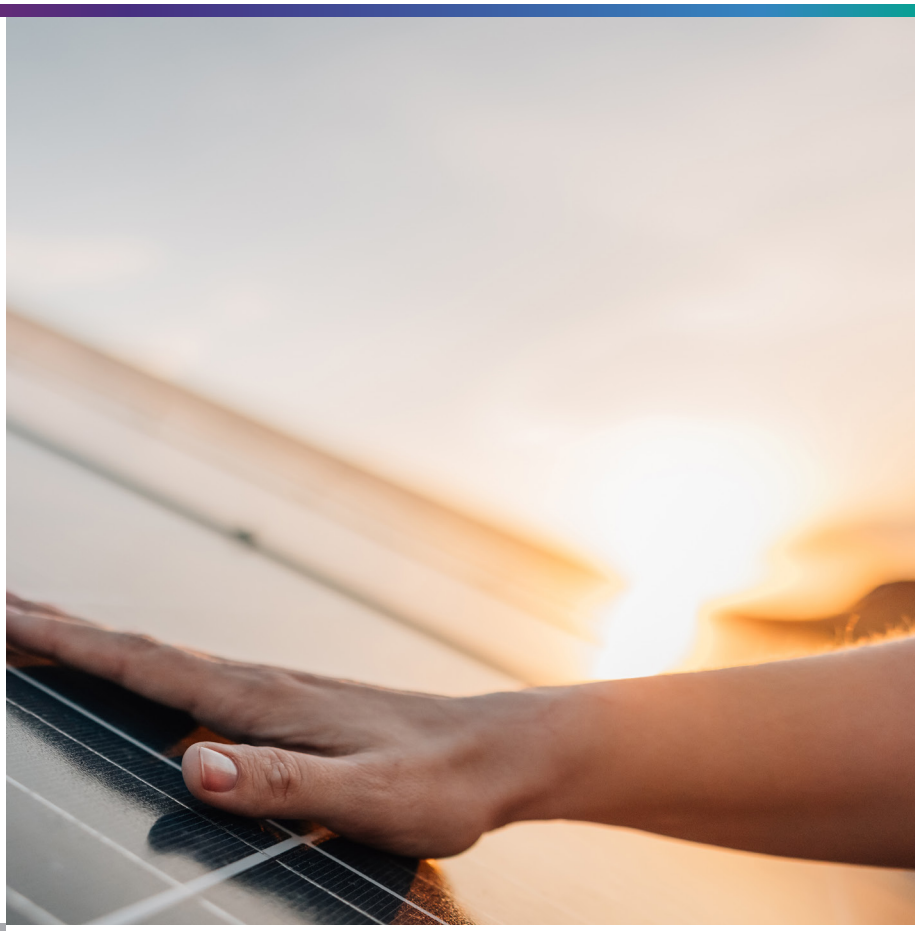
Schréder
Experts in lightability™

SAMPSON



KEY ADVANTAGES

- **Stylish Design: Sleek Post-top luminaire with modern design aesthetic.**
- **Versatile Optics: Offers two optical options suitable for general area, pathway, and cycleway lighting.**
- **Flexible Mounting Heights: Ideal for installations at heights ranging from 4 to 6 metres.**
- **Color Temperature Choices: Available in both 3000K and 4000K, catering to different lighting preferences.**
- **Durable Construction: Made from high pressure die cast aluminum, ensuring long-lasting performance in various environments.**
- **Broad Applicability: Suitable for pedestrian and bike paths, off-grid areas, urban, and residential settings.**

The SAMPSON is a solar luminaire with a stylish design aesthetic for post top mounting. Available in two optics suitable for general area lighting and pathway or cycleway lighting. Typical mounting heights are 4 to 6 metres and available in 3000K & 4000K colour temperatures making SAMPSON suitable for a multitude of lighting applications.

Applications: Pedestrian & Bike Paths, Off Grid, Urban & Residential.

CHARACTERISTICS

GENERAL INFORMATION

Mounting height	4m to 6m
Testing standard	AS/NZS 60598
Warranty	Battery – 3 years Solar Panel – 25 years performance guarantee Overall – 5 years*

HOUSING AND FINISH

Housing	Die cast aluminium
Colour	RAL 7016 Anthracite Grey RAL 9007 Grey Aluminium
Tightness level	IP65
Impact resistance	IK 08

OPTICAL INFORMATION

LED colour temperature	3000K/4000K
Colour rendering index (CRI)	80

PERFORMANCE

Lumen output	1800lm
Lumen efficacy	150lm/W

ELECTRICAL INFORMATION

System voltage	18V DC
System wattage	12W
Battery	$LiFePO_4$
Autonomy	2 Days
Peak rated wattage	18W

OPERATING CONDITIONS

Operation	Programmable dimming profiles
Temperature range from operation (Ta)	-20°C to + 60°C

DIMENSIONS

Weight (kg)	8kg
L x W x H (mm)	475 x 475 x 600
Mounting possibilities	Post-top 60 & 76mm

*Notes on warranty: Battery 3 years, design life 10 years. Solar panel 25 year performance guarantee, 80% solar output after 25 years.

ORDER CODES

PRODUCT CODE	DESCRIPTION	WATTAGE	OPTIC	CCT
SS12W830XT170N	SAMPSON 12W T1 830 SENSOR 60-76MM RAL9007	12	T1	3000K
SB12W830XT170N	SAMPSON 12W T1 830 SENSOR 60-76MM RAL7016	12	T1	3000K
SS12W830XT270N	SAMPSON 12W T2 830 SENSOR 60-76MM RAL9007	12	T2	3000K
SB12W830XT270N	SAMPSON 12W T2 830 SENSOR 60-76MM RAL7016	12	T2	3000K
SS12W830XT470N	SAMPSON 12W T4 830 SENSOR 60-76MM RAL9007	12	T4	3000K
SB12W830XT470N	SAMPSON 12W T4 830 SENSOR 60-76MM RAL7016	12	T4	3000K
SS12W840XT170N	SAMPSON 12W T1 840 SENSOR 60-76MM RAL9007	12	T1	4000K
SB12W840XT170N	SAMPSON 12W T1 840 SENSOR 60-76MM RAL7016	12	T1	4000K
SS12W840XT270N	SAMPSON 12W T2 840 SENSOR 60-76MM RAL9007	12	T2	4000K
SB12W840XT270N	SAMPSON 12W T2 840 SENSOR 60-76MM RAL7016	12	T2	4000K
SS12W840XT470N	SAMPSON 12W T4 840 SENSOR 60-76MM RAL9007	12	T4	4000K
SB12W840XT470N	SAMPSON 12W T4 840 SENSOR 60-76MM RAL7016	12	T4	4000K

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.