



26 COWPER STREET, FIRST FLOOR,
LONDON. UNITED KINGDOM
EC2A 4AP

Spec Sheet ASTON LED Sutton Solar Street Light

STN05



Introduction



STN05 is a high-quality LED Street Light with high luminous efficacy (200lm/W). With a smaller size and reliable and robust housing structure: IP65, IK09 and 10 kV surge protection, that maximizes the endurance and contributes to its long lifetime. With its flexible installation accessories, it can be used in a wide variety of applications. Slim designed is an excellent choice for new construction or retrofit application. The High output LED and 30W-100W makes the power as a semi-whole series.

Key Features

1. LED service life: 101,000 hours @L70-30°C.
2. 5-years warranty.
3. Tool-free Open and Maintenance
4. IP rating: IP65
5. Multiple mounting options.
6. Super high efficacy up to 200 lm/w.
7. Housing is made of 100% aluminum alloy (ADC12) - Powder coating with strong anti-corrosion
8. Power-off protection and surge protection

Applications

- Distribution centers
- Traffic Routes
- Brand roads
- Residential area
- Parking lot areas
- Other heavy dust area

Certifications



Technical Specifications

Model No.	STN05-30	STN05-40	STN05-50	STN05-60	STN05-80	STN05-100
Power Consumption	30w	40w	50w	60w	80w	100w
LED Type	LED 2835					
Luminous Flux (± 5%)	6000 lm	8000 lm	10000 lm	12000 lm	16000 lm	20000 lm
Efficacy (5000K, Ra70)	200 lm/w ± 5%					
CCT	4000 K (5000 K optional)					
CRI	RA70 (RA80 optional)					
Driver	Constant Currency (CC)					
Input Voltage	220-240 VAC 50-60 Hz					
Power Factor	≥ 0.9					
Insulation Type	Class I					
Battery	LiFePO4 battery					
Battery Capacity	230.4WH	307.2WH	384WH	460.8WH	460.8WH	614.4WH
Solar Panels	Mono-crystalline solar panel					
Solar Panel Wattage	45W	63W	63W	80W	80W	90W
Charging Time	> 9 hours					
Operating Time	Normal mode with 100% brightness>8hours, Intelligent mode 3-4 days					
Solar Charge Controller	MPPT					
Working Mode	Refer Intelligent control					
Control	Timmer dimming/PIR sensor					
Surge protection	6kV line-earth, 4kV line-line					
Product Dimension	796x422x342mm	1100x422x342mm	1282x422x342mm		1532x422x342mm	
Material	Tempered Glass + Polycarbonate Optical Lens + LiFePO4 battery + Mono-Crystalline solar panel					
Mounting Option	Post top mounting					
Operating Temperature	0°C to 50°C					
Life Time	> 101,000 Hrs					
IP Rating	IP65					
Warranty	5 years					
Certifications	CE, CB, ROHS, EMC					