LEADSUN
EST. 2005

SMART Solar Lighting
AE3 Series

5 YEARS UNLIMITED WARRANTY

Leadsun's AE3 SMART solar lighting series offers world first technology with its International Dark-sky approved Split model and patented All-In-One option that combines four emerging technologies (solar photo-voltaic (PV), LED light, lithium battery and adaptive lighting controls) into one compact, durable and easy to install system.

- Quick and easy **15min installation** at ground level
- **Monocrystalline** solar module >20% Efficiency
- **EDGE** web-based wireless controls, monitoring & management system
- Dual LiFePO4 Li-ion **patented battery** management system with 10+ year performance
- Hot dipped galvanised, **lower-able poles** with concreteless or standard ragbolt footing
- Advanced Dark-Sky compliance LED lighting with **PIR Motion Sensor** and optional DISS activation of groups of lights
- Modular design with fully **integrated components** in a Split or All-in-One system

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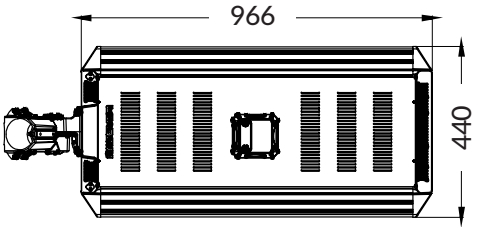
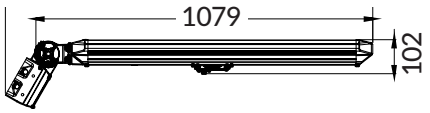
AE3 Series

CE | IP66 | IK08

SPLIT MODEL

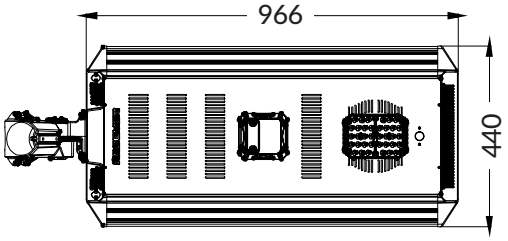
Universal installation

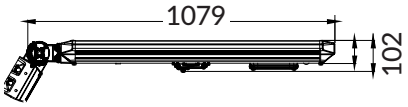




ALL-IN-ONE MODEL

For north facing solar PV orientation





Model No.	AE3S60N	AE360Q
PHYSICAL PARAMETERS		
Solar module power output (W)	60	60
Lithium battery capacity (Wh)	308	512
Colour	Black	Black
Net weight of product (kg)	15.7	17.5
Product dimension (mm)	1079(L) × 440(W) × 102(D)	1079(L) x 440(W) x 102(D)
Pole mounting diameter (mm)	76	76
System wind speed rating (km/h)	257	257
TECHNICAL & OPERATING PARAMETERS		
Nominal battery voltage (V dc)	12.8	
Battery cycle life	>4000 cycles	
Battery charging & temperature range (˚C)	0 ~ 51	
Battery discharging temperature range (˚C)	-20 ~ 60	
LED dimming controller type	PWM (Programmable via USB)	
Photoelectric switch on / off level (lx)	30	

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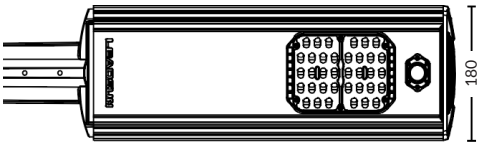
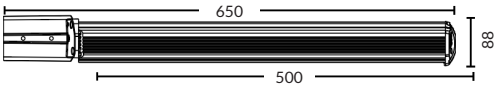
Luminaire

Dark-sky certified

We are committed to reducing light pollution, a common issue caused by traditional public lighting, Leadsun is proud to be the world's first solar lighting manufacturer to offer fully certified International Dark-Sky Association (IDA) approved lights.

Our luminaires are equipped with low-glare, 3000K warm LEDs and ultra-sharp cut-off optics. These features, combined with the horizontal positioning of the optics, significantly reduce glare both in the front and rear, while effectively eliminating upward light spill, minimising the impact of skyglow and light pollution.





Motion Control

Additionally, our advanced lighting solutions feature a PIR motion sensor and offer the optional **DISS (Dynamic Intelligent Sensor System)** for the activation of multiple lights.

Model No.	L3SS10	L3SS30
PHYSICAL PARAMETERS		
Net weight of product (kg)	3.2	3.2
Dimension of product (mm)	650×180x88	650×180x88
TECHNICAL & OPERATING PARAMETERS		
LED output (W)	10	30
LED colour temperature (K)	3000	3000
LED typical luminous flux (lm)	1800	5400
Motion sensor type *Optional*	Passive Infra Red *DISS*	Passive Infra Red *DISS*
LED distribution type	T2L / T2W	T2W

Disclaimer: All measurements noted in this document have been rounded to within ±20mm, ±1kg, ±15lx. *Dual panel wind rating subject to site conditions. Actual product may vary slightly. Battery storage limitations apply.

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