



BEI | lighting
lighting from the ground up



BEI LIGHTING SOLAR LANTERN



Applications:

- Street Lighting
- Parks & recreation areas
- Public areas
- Bus stops and shelters
- Car parks and perimeters
- Marinas and harbours
- Footpaths



Wyndham Close, Brackla Industrial Estate, Bridgend CF31 2AN





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BEI SPLIT SOLAR

The Split units can capture maximum energy by setting the direction of the photovoltaic module to face south while the LED lamp can be placed in any direction you wish to illuminate. The BEI Series solar street lights are extremely robust and absorb energy from natural daylight and turns it into illumination when dark.

The unit contains the 'All In One' solar technology and LED lamp, integrated photovoltaic module, Lithium battery, human infrared sensor, charging controller to achieve multiple features such as high luminance, long lifespan with minimal maintenance and easy installation.

LED AND LIGHT MANAGEMENT

The units utilise the very latest LED technology that ensures maximum brightness ensuring light levels remain brighter for longer.

BATTERIES AND CHARGING UNIT

The Solar lanterns use new generation light weight and high quality Lithium batteries. The battery is designed to exacting standards that deliver high power and longevity. The lithium batteries are charged for maximum efficiency using our integrated charging circuit that constantly monitors the state of the batteries to optimise the charging levels.

POWER MANAGEMENT

An important part of the Solar All In One solar light is its ability to preserve battery autonomy for maximum reliability even in overcast weather conditions.

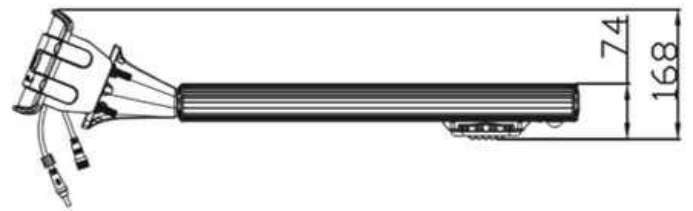
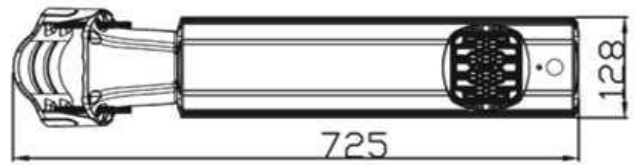
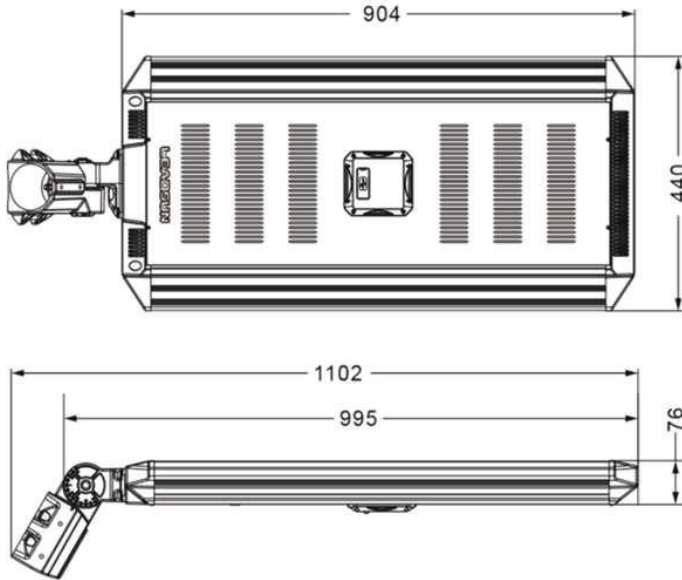
The intelligent operating profiles that can be programmed into the system allow for a change in illumination levels throughout the night; with the addition of the 'Smart Eye' motion sensor, illumination levels will self regulate upon detection of movement throughout the evening which further improves battery autonomy.





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SPECIFICATIONS

PV MODULE		LED LIGHT	
Power of PV Module (W)	55w	Light Power (W)	10
Lithium Battery Capacity (Wh)	20Ah (256Wh)	Colour lamp	5000k
Working time (full power)	≥ 4days	Lumen output (full power)	1800
Working time (dim power)	≥ 10days	Lumen output (dim power)	540
Controller Type	Touch-tone controller		
Light Photosensitivity (lx)	30		
Net Weight of Product (kg)	14.9	Net Weight of Product (kg)	3.6
Dimension of Product (mm)	1012 × 440 × 76	Dimension of Product (mm)	725 × 128 × 74
Charge Temperature	0°C to 60°C		
Discharge Temperature	-20°C to 60°C		



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