



Smart solar street light

HLMES ELITE SERIES

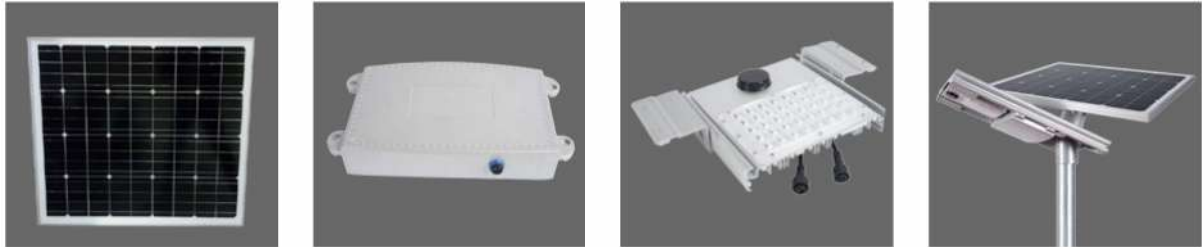
Innovative Integrated Solar Street Light



Core Technologies

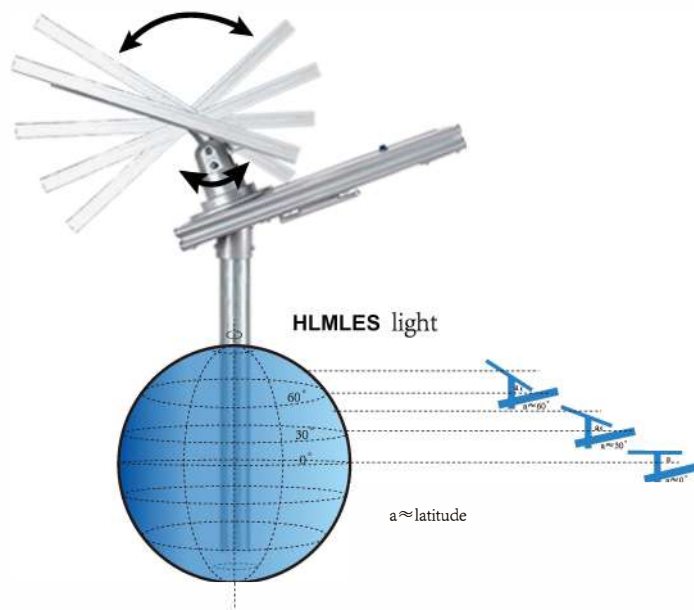
Patent Integration Design

The combination of an adjustable solar panel, battery, controller and LED in one body makes the all in one solar light.



360° Solar Panel Rotated

Solar panel can be adjustable manually in vertical and horizontal direction, ensure the maximum efficiency of solar energy.



Light Efficiency Management

LED Chip

SolarPath led chip can reach **150lm/w**, the light efficiency is 75% higher than common led chip of 100lm/w.



Patent Bat-wing Lens

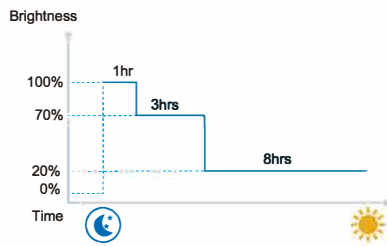
Patent bat-wing lens with polarized light customizable designed for fly egret light, lighting area much wider, the maximum of using the lighting all light on the road.



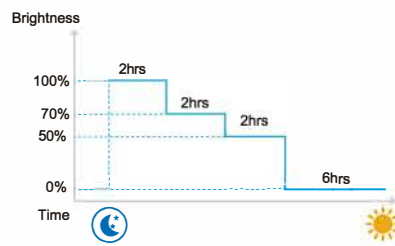


Humanized Intelligent Remote Control Technology

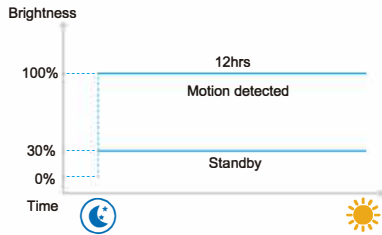
Default is M mode, you can choose the best mode according to different sunshine conditions. (Customized working mode with respect to customer's different requirement)



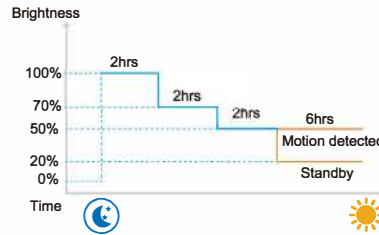
Light control



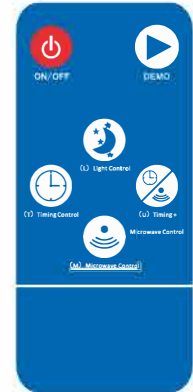
Time control



Microwave control



Time+Microwave control



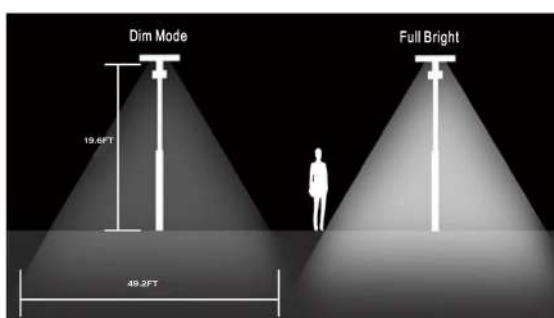
Advanced LiFePO4 Lithium Battery

Compared with ternary battery, LiFePO4 lithium-iron battery discharge depth is **4 times** higher and it's cycle life is **5 times** longer than ternary battery, resistance high temperature up to 149F°, low as -13F° in extreme working condition. Battery long lifespan is up to 8 years with solarpath's patent battery management technology.



Microwave Motion Sensor

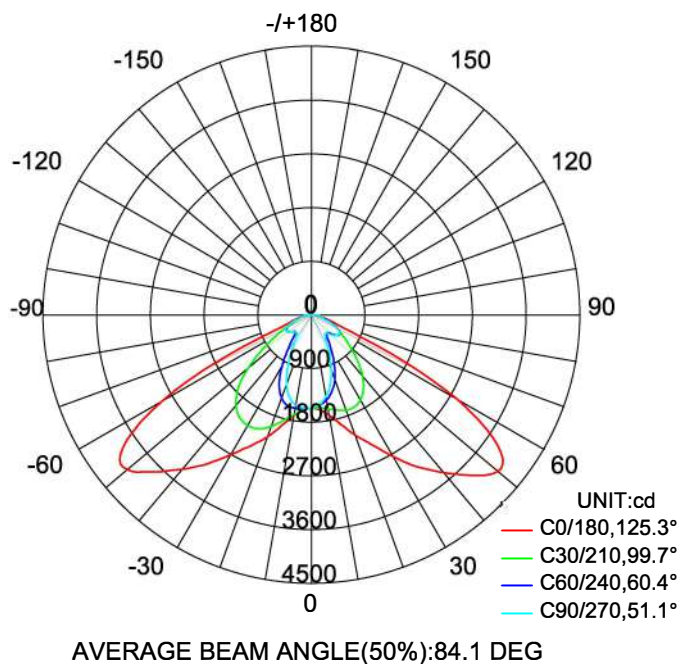
Microwave motion sensor illumination levels will automatically be regulated form a 'dim-mode' to 'full-brightness' when it detects movements.



HLMES Elite Series



Luminous intensity distribution curves



Parameters:

Type	HLMES-15	HLMES-20	HLMES-30	HLMES-40	HLMES-50	HLMES-60	HLMES-80	HLMES-100
Lamp power	15W	20W	30W	40W	50W	60W	80W	100W
Monocrystalline solar panel	50W/18V	60W/18V	70W/18V	80W/18V	100W/18V	120W/36V	150W/36V	200W/36V
LiFePO4 battery	15AH/12.8V	18AH/12.8V	21AH/12.8V	27AH/12.8V	33AH/12.8V	21AH/25.6V	24AH/25.6V	27AH/25.6V
LED QTY	28pcs	28pcs	40pcs	40pcs	56pcs	56pcs	80pcs	120pcs
Luminous flux	1950-2250LM	2600-3000LM	3900-4500LM	5200-6000LM	6500-7500LM	7800-9000lm	10400-12000lm	13000-15000lm
Charge time(full sunlight)	5-7hrs							
LED chip brand	Bridgelux (US)							
Color temperature	3000-6500K							
CRI	≥70Ra							
Light control voltage	5V							
Light distribution	Batwing							
Working time	3 - 5 Days							
Sensor distance	<82FT							
Delay time	10s (optional)							
Workingtemperature	13°F - 149°F							
LED chip lifetime	≥ 50000hours							
Material	High quality die-casting aluminum alloy							
Pole top diameter	2.3in - 2.95in							
Mounting height	13.1in - 16.4in	16.4in - 19.6in	19.6in - 22.9in	22.9in - 26.2in	26.2in - 29.5in	29.5in - 32.8in	32.8in - 36in	36in - 39.3in
Installation spacing	32.8in - 42.6in	42.6in - 52.4in	52.4in - 62.3in	62.3in - 75.4in	75.4in - 88.5in	88.5in - 101.7in	98.4in - 114.8in	114.8in - 131.2in

Feature

- * IP67 waterproof, 3 years warranty.
- * Free combination configuration as customer request.
- * Modular all in one design, all components can be detachable, easy for replacement and miantiance.
- * Vertical installation, horizontal installation, single-arm installation, double-arm installation, a variety of installation styles for you to choose.
- * All die-cast aluminum light body with zinc plated anti-corrosion, no need to worry about coastal lighting application.

Applications:

The All in One solar street lighting system can provide efficient lighting in square, farm, factory, parking lots, park, school, urban street, main road, avenues, highway, coastal jetties, railways and etc, the places where consuming a lot less electricity.

