



HLMLS Split Patent Solar Street Lighting

The HLMLS is high power solar street lighting solution for highway available from 80w to 200w, that delivers sustainable lighting without the burden of rising electricity costs and increasing carbon footprint.

3 YEAR
WARRANTY

HLMLS Series Light



Only A-brand quality monocrystalline silicon solar panels with high efficiency and long lifetime are used.



MPPT controller is high efficient rate for solar charging which independent design. It generate more power especially during cloudy and rainy days, simultaneously has multi-function for over current, over voltage, over heat and short-circuit protection.



Illumination levels will automatically be regulated from a 'dim-mode' to 'full-brightness' depending on whether the motion sensor detects movement within several meters of the integrated solar street light.



LED

Adopted Bridgelux 3 watts LED with average light illumination of 170lm/w, lifespan >50000 hrs, dedicated solar controller technology with dimming capabilities for power-save management.



LiFePO₄ battery offer 4 times higher discharge depth, 5 times higher cycle life, 4 times more storage and power capacity and will not pollute the environment, it's able to work in extreme weather heat of up to 158F and low as 40F.

Applications

- ★ Strata & Public Area Lighting
- ★ Bike & Pathways
- ★ Pedestrian & Rail crossing
- ★ Temporary & Event Lighting
- ★ Construction Sites
- ★ Rural & Remote Area Lighting
- ★ Security & Perimeter Lighting
- ★ Jetties, Pontoons & Boat ramps
- ★ Courtyard & Garden & Park & Roadway
- ★ Parking Lot & Private Road & Sidewalk
- ★ Plaza & Campus & Airfield
- ★ Farm & Ranch & Wildlife Area
- ★ Coastal Areas and Billboard Lighting
- ★ Military Base & Mining and Industrial sites.
- ★ Residential & community Center
- ★ Urban trunk road & Slow lane



Key Features:

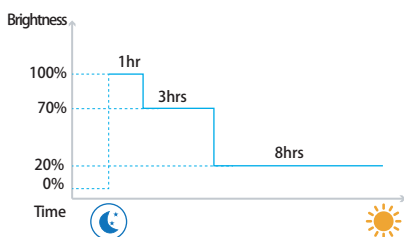
- ★ Patent innovative design with aluminum alloy "dragon" lamp body.
- ★ Led light, solar panel and battery can be easily replaced and detectable.
- ★ Waterproof grade IP67 for whole light.
- ★ Humanized intelligent remote control technology

Benefits

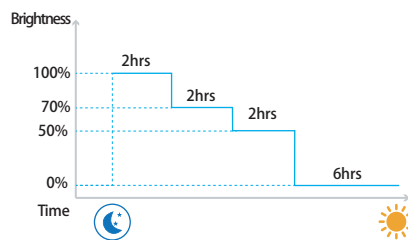
- ★ EASY Installation in five minutes, no trench wiring, trenching and cabling needed.
- ★ Reducing operation bills and ZERO maintenance.
- ★ WARRANTY : Our three-year warranty ensures peace of mind regarding the performance of your investment.
- ★ Protection: over-charge/over-discharge proof, lighting-proof, high temperature-proof /low temperature proof.



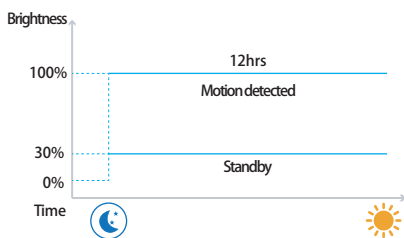
Default is M mode, customized working mode with respect to customers different requirement.



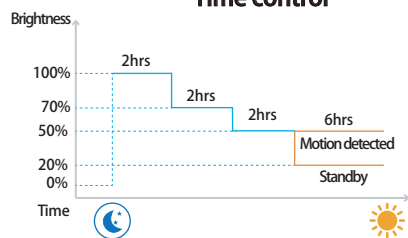
Light control



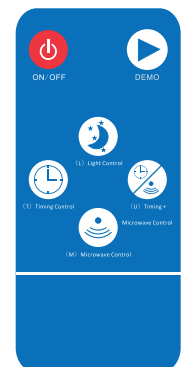
Time control

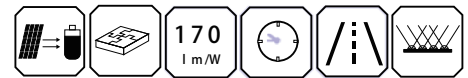


Microwave control



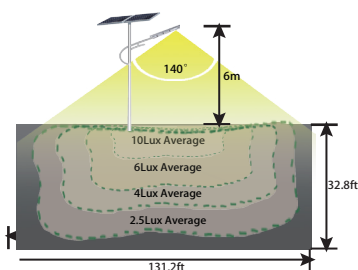
Time+Microwave control



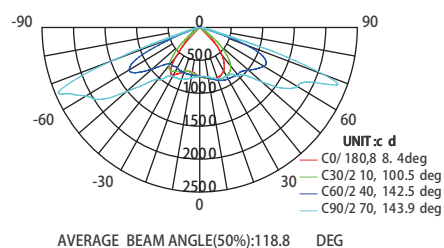


Model No.	HLMS-80	HLMS-100	HLMS-120	HLMS-150	HLMS-180	HLMS-200
Physical Parameters						
Monocrystalline Solar Panel	150W 36V	200W 36V	260W 36V	300W 36V	360W 36V	400W 36V
LiFePO4 Battery (high-temperature resistant)	24AH 25.6V	27AH 25.6V	33AH 25.6V	39AH 25.6V	45AH 25.6V	51AH 25.6V
Control Mode	Light/ time/ microwave sensor control /Time + microwave sensor control					
Charging Time	6-8 hrs by sunshine directly					
Discharging Time	12 hrs/night, continue 3-5 rainy days					
Material of light	Alluminum alloy					
Lifespan	50000 hrs					
Sensor Type	Microwave Detection (By rader)					
Detection Distance	<25M					
Lighting parameters						
Lighting efficieny /Lumen	10400-12000lm	13000-15000lm	15600-18000lm	19500-22500lm	23400-27000lm	26000-30000lm
LED Brand	Bridgelux					
CCT	3500k-6500K (defalut is 6000k)					
Light Distribution	Batwing					
Viewing Angle	140° × 70°					
CRI	>75RA					
Light Control Voltage	5V					
Installation Suggestion						
Mounting Height Range	26.2FT - 32.8FT	26.2FT - 32.8FT	26.2FT - 32.8FT	32.8FT-39.2FT	32.8FT-39.2FT	32.8FT-39.2FT
Installation Distance Range	98.4Ft - 114.8FT	98.4Ft - 114.8FT	98.4Ft - 114.8FT	131.2FT- 147.6FT	131.2FT- 147.6FT	131.2FT- 147.6FT
Upper Diameter	2.5in-2.95in					
Working Temperature						
Charge Temperature	-13F - 149F					
Discharging Temperature	-4F - 113F					
Storage Temperature	-4F -113F					

Light distribution



Illuminance distribution



Pole Height

