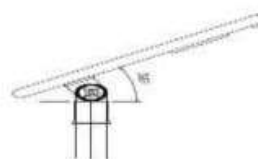
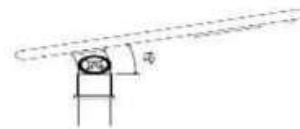
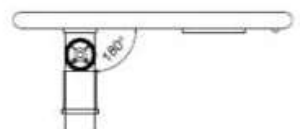


Adjustable Mounting Bracket



Generalized Key Features-

- Complete system with Pole, Battery, Battery box, Battery Stand, PV Panel, PV Panel frame, LED Luminaire with inbuilt charge controller, luminaire mounting arm, wires, Nuts & Bolts and all required accessories.
- SEC/MNRE tested approved PV Panel & Battery.
- Aluminium die-cast IP66 LED Luminaire equipped with LM80 compliance high lumen efficacy LEDs.
- High efficiency solar charge controller with constant current LED Driver used within Battery voltage Range.
- Hybrid 230V AC option also available on request.
- Smart Solar- IOT/Bluetooth/ Wi-Fi/GPRS remote monitoring also available on request.
- Customization can be done on request.

* Specification can be change without any prior information & Picture may be differ as shown here.

Customer Care Service Toll Free No.: 1800-103-6564; website: www.halonix.co.in; Email: customercare@halonix.co.in

TECHNICAL SPECIFICATIONS

Model No.	HLSSLINT02A01171119-45W-WOP-CWL	SAP Code:	Qty.
Description	LED SOLAR SLINTE02A 45W100Wp42AHLIFEPO4WOP		
Battery			Inbuilt
Operating Voltage	12.8V DC		
Battery Type	12.8V 42AH Lithium Ferro Phosphate (Li-FePo4) Rechargeable- BIS Certified Cells- Future Tech/Coslight/Evolve or equivalent		
LED Fitting			Inbuilt
System Wattage	12.8V 45W LED Luminaire integrated with street light made of Aluminium extrusion and CRCA powder coated sheet with inbuilt charge controller having efficiency 90%, IP65 with perforation over front sheet for adequate heat dissipation		
Lumen Efficacy	≥120 lm/w		
LED Used	>135 lm/w High brightness High power LEDs make- Osram/Cree/Nichia – LM80, L70 Compliance		
CCT	5700K-6500K (WW)		
CRI	>70 for LED		
Charge Controller	MPPT charge controller with Automatic dusk to dawn with enclosure		
Solar PV Module			Inbuilt
PV Module	Mono-crystalline 100Wp PV Module under STC equivalent MNRE/SEC Tested (considering charging time in 5.5Hours @ min. 1000 w/m ² Solar Irradiation over PV Panel)		
Mounting Structure & Accessories			Inbuilt
Pole Length	Suitable to mount up to 7-9 meter pole– pole not included- Pole available on specific demand only		
Mounting Bracket	Adjustable aluminium die-cast bracket included		
Battery	Integrated inside the fitting		
PV Frame	Inbuilt with the fitting		
Wires	N/A		
Protection, Features & Application			
Dimming level	PIR motion sensor based dimming- 100% once motion detected and rest time operate at 30% load		
PIR Motion Sensor	Inbuilt- Initial 5 hours PIR sensor active- motion 100% no motion-30% (assuming max. motion-2Hours) ,next 5hours- PIR not in active – Run at 30% load , next 2 hours Motion PIR Active- motion 100% no motion-30% (assuming max. motion-1Hours)		
Duty Cycle	After dusk ON 12 Hours/day as per Dimming based on Motion sensor		
Autonomy	1.5 days as per Duty Cycle per day at Battery full charge STC condition / 36 hours at DIM mode 25% rated load at Battery full charge STC condition		
Protection	Over Charge , Deep Discharge , Reverse Polarity , Over load, Temperature Compensation, No Load, Short Circuit and other as applicable		
Hybrid	Not included / available on specific demand		
Indication	Green Blinking-Battery Charging , Green Stable- Battery Full Charge, Red Stable- Battery low voltage		
Application	Street lighting , Parking Lighting , Public area Lighting, Campus Lighting		

Key Notes-

- Battery Charging is depending upon availability of Sun Light over PV Panel, direction- south and timely cleaning of PV Panel.
- PV Panel calculation based on STC as per MNRE.
- Tolerance- ± 10%.
- Autonomy is as per duty cycle and based on Battery charging only.

Prepared By :	AS	TDS No.	HTPL/SOLAR/02A/1119/K-0117
Checked By :	KG	Description:	LED SOLAR SLINTE02A 45W100Wp42AHLIFEPO4WOP

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