

 **SOLAR**
STREETLIGHTS
AFRICA



VENO

Solar LED Integrated Street LIGHT
20-120W



CE IK08 IP66 FC

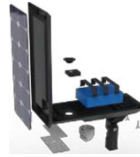


IEC 60598-1 / IEC 60598-2-3

Features



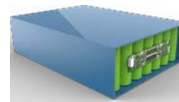
Installation angle -15° - $+105^{\circ}$ adjustable. Supports horizontal, Vertical & wall mounted installation options



Die cast aluminum housing, tool-free access, easy to replace battery and sensor. Aluminum+ stainless steel with corrosion protection & powder coated



Over 2000 cycles of full charge and full discharge. In Theoretical lifespan of battery 8 - 10 years.



Temperature Protection System , Triple temperature control in battery chip, battery package, controller



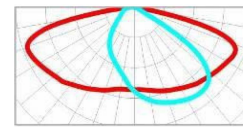
5 periods dimming + low battery level dimming, lighting time up to 7 days



MPPT, 15-20% higher efficiency than PWM



Possible too control thousands of fittings remotely on computer or cell phone, dim lamps, charging and discharging parameters



T2M+T3M batt wing light distribution, 20% increased brightness, 50% uniformity more than previous generation optics

Optional accessories

Camera



AC input



LORA control system



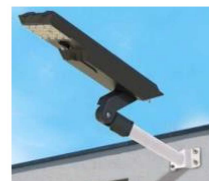
Fixed horizontal



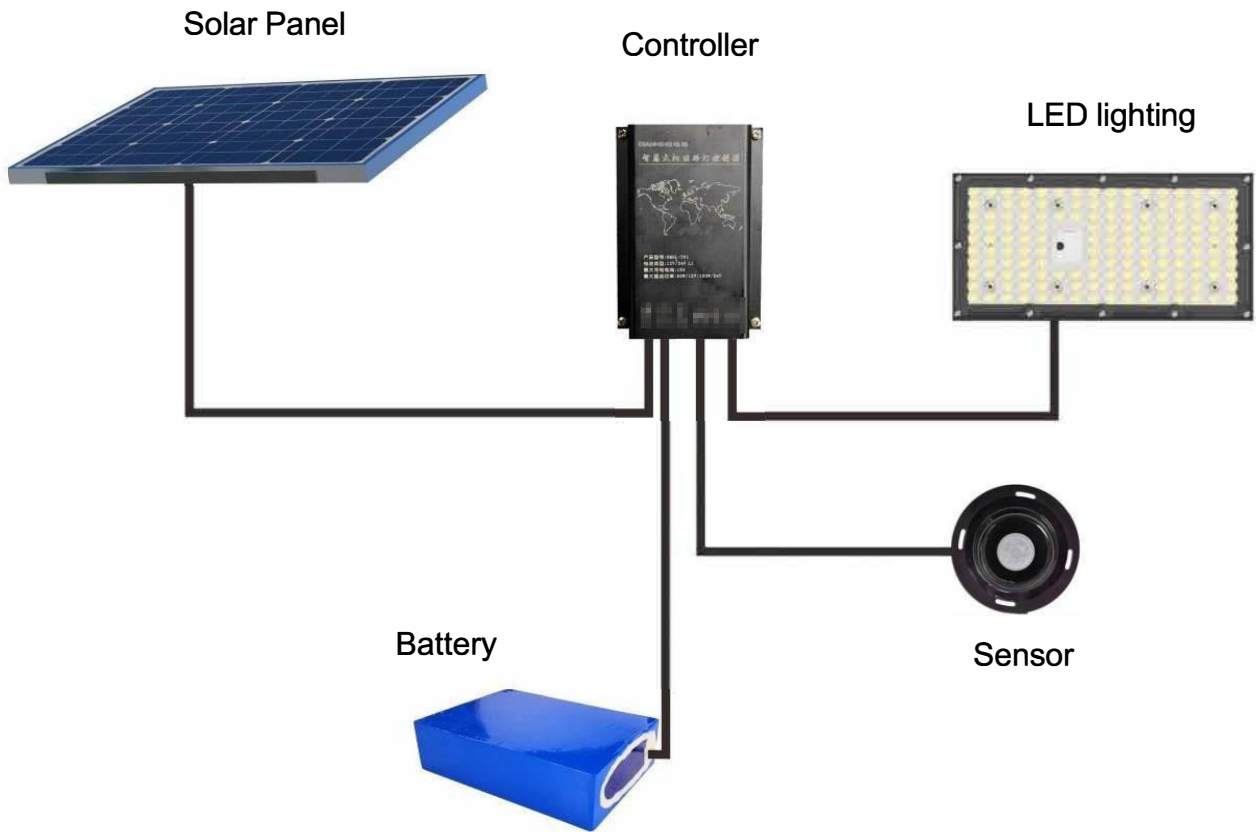
Fixed Vertical



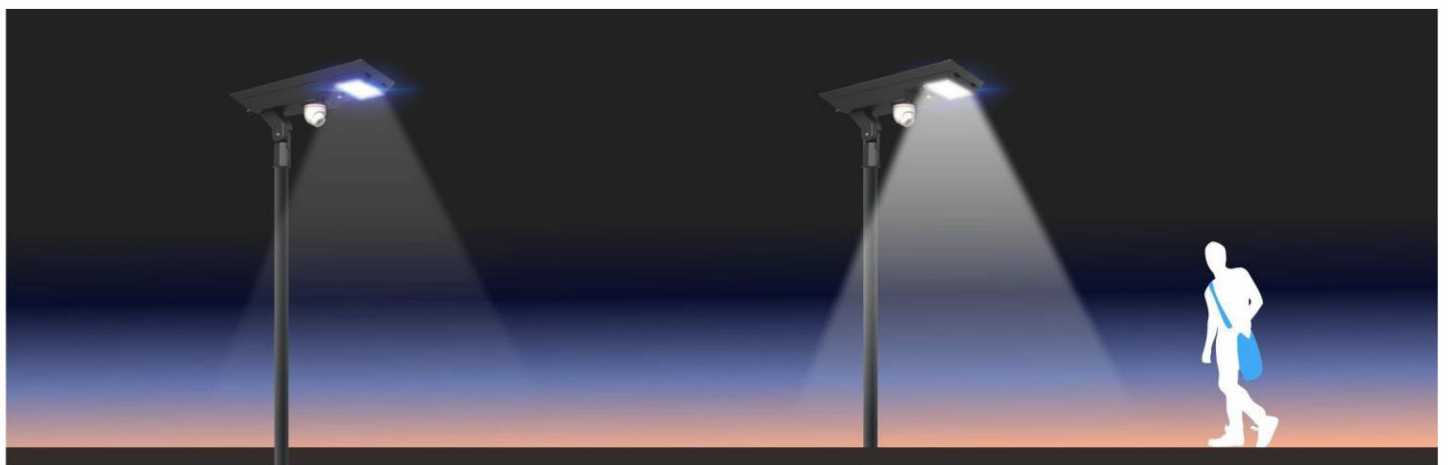
Fixed wall mounted



What is a motion sensing solar street light?



How does the sensor work?



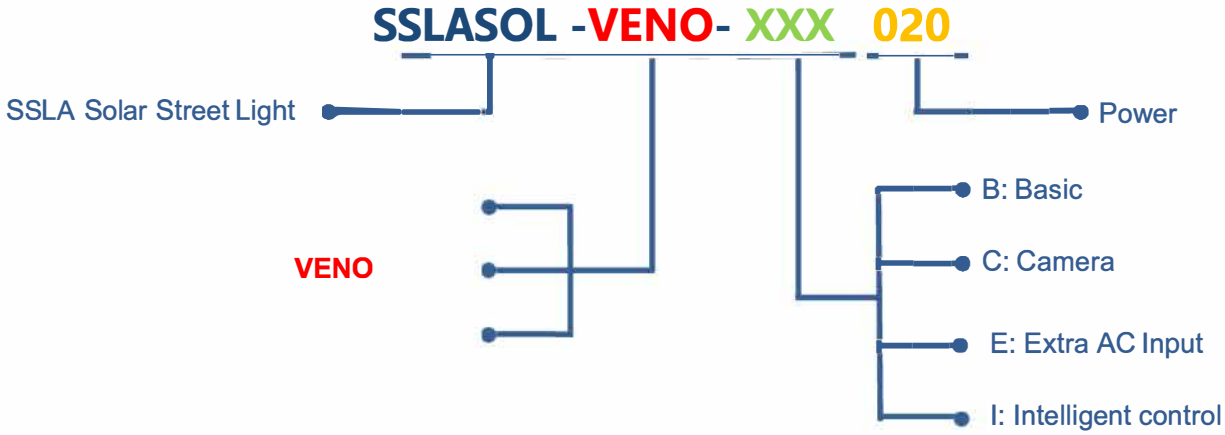
20%-30%

100%

Warranty

5 years with LIFEP04 Lithium batteries

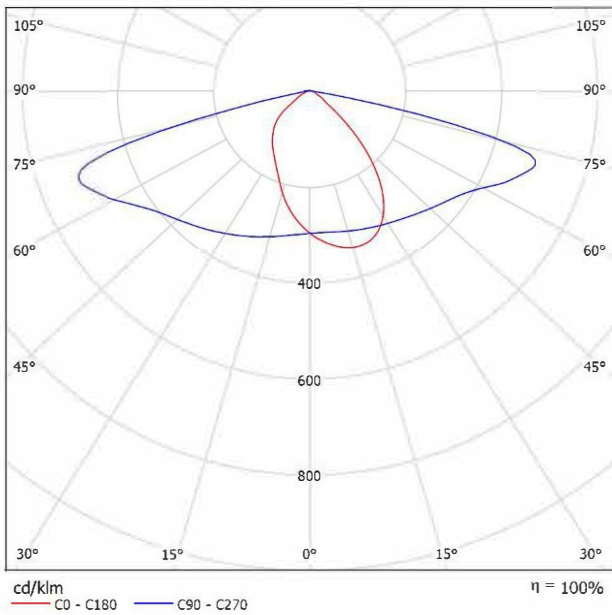
Locally assembled range



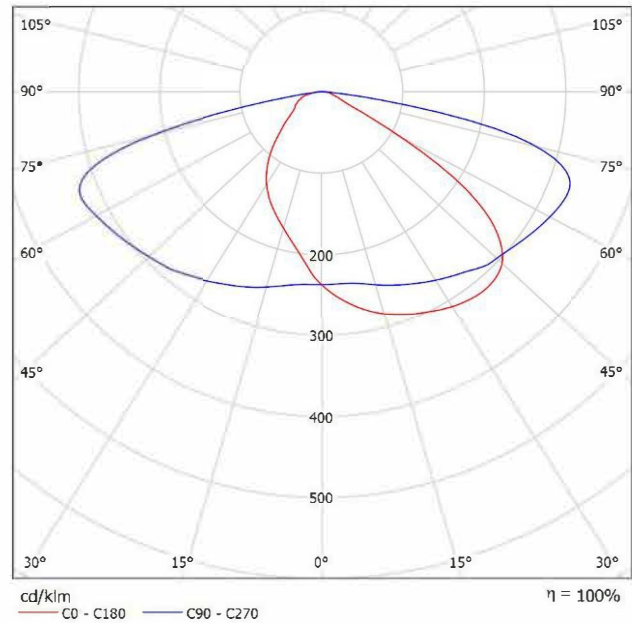
Specification

Power/W	20	30	40	50	60	70	80	90	100	110	120
Lumen/Lm efficy	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000
Mono PV panel/W	36	36	45	45	67	85	90	100	110	120	135
LiFePO4 / Wh	115	192	230	307	384	422	499	576	614	691	768
Charging time	< 6 hours										
Discharge time	3 days, 10 hours/day (intelligent mode, less than 200 times/day) + 4 days low brightness										
Control	Motion/PIR sensor + light control +low battery level dimming										
Color Temperature	Warm white 3000K, Neural white 4000K, cold white 5000K,CRI>70										
Material	Aluminum + stainless steel + PC										
LENS	T2M(155° / 75°) + T3M(160° / 80°), batting wing, Anti-UV										
Operating Temperature	-10 ~ 55 °C										
Storage Temperature	-20 ~ 65 °C										
Application	High way, Roadway, Path way, parks, parking lot or residential										

Light distribution



T2M 155° / 75°

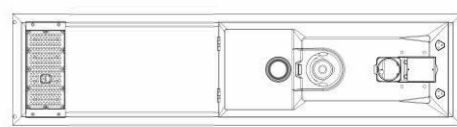
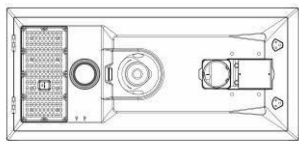
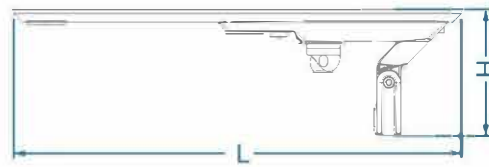
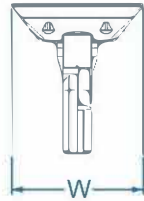
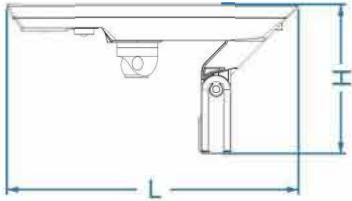


T3M 160° / 80°

Which model is the best for you?

Lanes	Width / m	Height /m	post apart / m	light distribution	lumen/Model	illumination /lux	uniformity
1	3.5	4	14	T2M	1500 (020)	14	0.571
1	3.5	5	17.5	T2M	2500 (030)	15	0.581
2	7	5	17.5	T2M	3000 (030)	14	0.470
2	7	6	21	T2M	4000 (040)	15	0.482
2	7	7	24.5	T2M	5000 (050)	14	0.526
2	7	8	28	T2M	6000 (060)	14	0.550
3	10.5	7	24.5	T3M	7000 (070)	14	0.480
3	10.5	8	28	T2M	8000 (080)	14	0.418
3	10.5	9	31.5	T2M	9000 (090)	15	0.461
3	10.5	10	35	T2M	10000 (100)	12	0.498
3	10.5	10	35	T2M	11000 (110)	13	0.501
3	10.5	10	35	T2M	12000 (120)	14	0.508

Product size



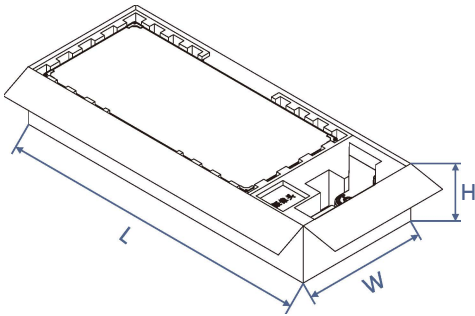
20-50W

60-120W

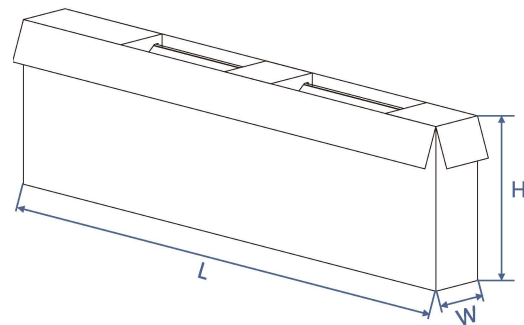
Model	Power Consumption	L	W	H
SSLASOLVENO20	20W	757.5mm	342.0mm	387.0mm
SSLASOLVENO30	30W	757.5mm	342.0mm	387.0mm
SSLASOLVENO40	40W	757.5mm	342.0mm	387.0mm
SSLASOLVENO50	50W	757.5mm	342.0mm	387.0mm
SSLASOLVENO60	60W	784.5mm	500.0mm	392.0mm
SSLASOLVENO70	70W	908.0mm	500.0mm	392.0mm
SSLASOLVENO80	80W	908.0mm	500.0mm	392.0mm
SSLASOLVENO90	90W	1150.0mm	500.0mm	392.0mm
SSLASOLVENO100	100W	1150.0mm	500.0mm	392.0mm
SSLASOLVENO110	110W	1456.0mm	500.0mm	392.0mm
SSLASOLVENO120	120W	1456.0mm	500.0mm	392.0mm

Package Dimensions

Packaging dimension (20W-50W)

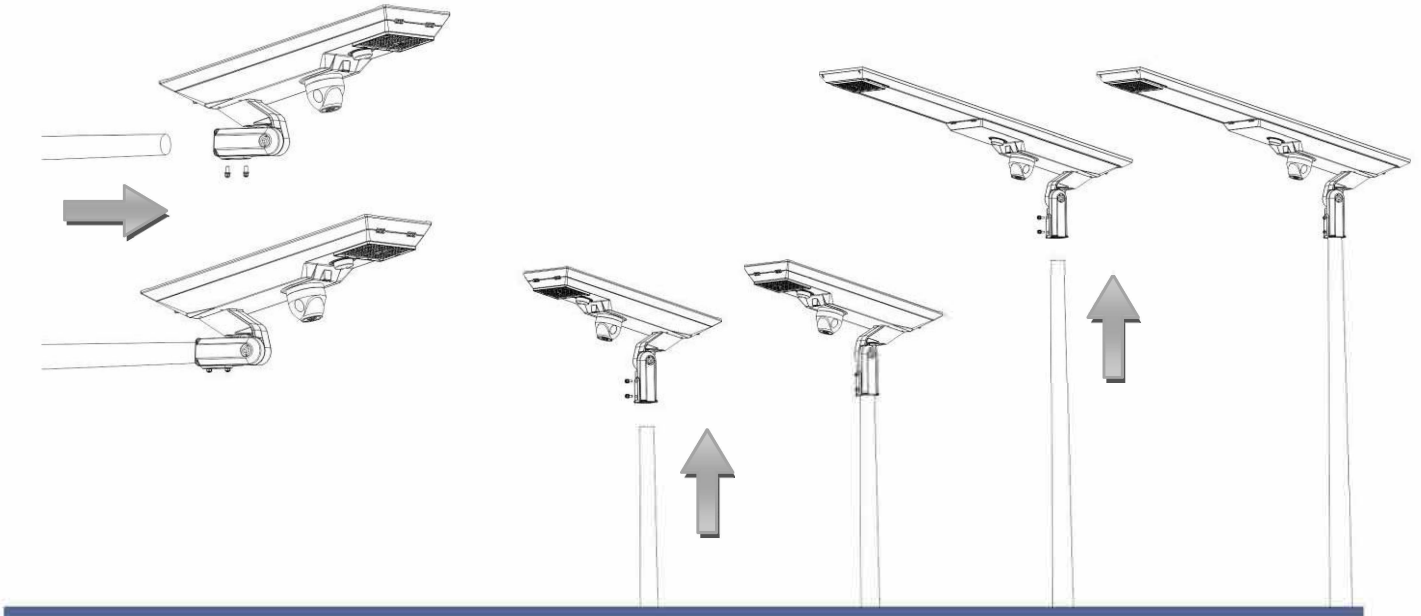


Packaging dimension(60W-120W)



Model	Power	L	W	H	Max Force Area	Packaging Dimension	Lamp weight
SSLASOLVENO20	20W	757.5mm	342.0mm	387.0mm	0.259lm ²	1040x415x145	13.50 KG
SSLASOLVENO30	30W	757.5mm	342.0mm	387.0mm	0.259lm ²	1040x415x145	14.00 KG
SSLASOLVENO40	40W	757.5mm	342.0mm	387.0mm	0.259lm ²	1040x415x145	14.00 KG
SSLASOLVENO50	50W	757.5mm	342.0mm	387.0mm	0.259lm ²	1040x415x145	14.50 KG
SSLASOLVENO60	60W	784.5mm	500.0mm	392.0mm	0.3922m ²	1040x150x555	21.00 KG
SSLASOLVENO70	70W	908.0mm	500.0mm	392.0mm	0.4540m ²	1165x150x555	22.00 KG
SSLASOLVENO80	80W	908.0mm	500.0mm	392.0mm	0.4540m ²	1165x150x555	23.00 KG
SSLASOLVENO90	90W	1150.0mm	500.0mm	392.0mm	0.5750m ²	1405x150x555	24.00 KG
SSLASOLVENO100	100W	1150.0mm	500.0mm	392.0mm	0.5750m ²	1405x150x555	24.00 KG
SSLASOLVENO110	110W	1456.0mm	500.0mm	392.0mm	0.7280m ²	1710x150x555	31.00 KG
SFSOLVENO120	120W	1456.0mm	500.0mm	392.0mm	0.7280m ²	1710x150x555	32.00 KG

Installation Instruction



Design Schematic

