



Electrical Information					
Model No.	SL 20-30	SL 20-40	SL 20-60	SL 20-80	SL 20-100
Power Consumption (W)	30	40	60	80	100
Battery	LiFePO4 battery				
Battery Capacity (Wh)	76.8	153.6	230.4	307.2	460.8
Solar Panel	Mono-crystalline solar panel				
Solar Panel Wattage (W)	39	52	66	90	113
Charging Time (Hours)	2.5h	3.5h	4h	4h	4.5h
Operating Time	Full power on 3-5 hours, Intelligent mode: 3 days				
Solar Charge Controller	MPPT				
Control	Microwave induction				

* The tolerance for power is $\pm 5\%$.

Optic Information					
LED Type	LED 2835				
Luminous Flux (lm)	5850	7800	11700	15600	19500
Efficacy (lm/W)	195				
Correlated Color Temperature	4000K (3000K, 5000K optional)				
Color Rendering Index	Ra70 (Ra80 optional)				
Beam Angle	R13802			R20402	
UGR level	N/A				

* The tolerance for luminous flux is $\pm 10\%$.

Description

SL20 is a full range solar street light, five sizes cover 30W, 40W, 60W, 80W and 100W, well satisfy different applications. Smart control with built-in microwave motion sensor and timer dimming. Adjustable mounting angle, adjustable LED module and removable battery for easy installation, maintenance and replacement.

Key Features

- All in one design, efficiency up to 195lm/W.
- Built in microwave motion sensor and timer dimming function
- Higher conversion Mono-crystalline photovoltaic solar panel.
- Luminaire size length and width can be customized.
- Solar panel and battery configurations can be customized.
- Easy maintenance with removable battery.
- LED module is adjustable.

Dimensions and Mount

Luminaire	Dimension (mm)	663×363×75	848×363×75	1075×363×80	1098×493×80	1358×493×80
	Net Weight (kg)	7.7	8.9	11.8	15.8	18
	Export Carton Size (mm)	700×400×120	895×400×120	1115×400×120	1135×525×150	1400×525×150
	Gross Weight (kg)	9.3	10.8	14.4	19	21.6
Mounting Option	Post top mount					
Material	Aluminum alloy					
	Polycarbonate optical lens					
	LiFePO4 battery					
	Mono-Crystalline solar panel					
Finish	Powder coating					
Fixture Color	Silver gray (RAL870-3)					
EPA	2.69ft²/0.21m²	3.44ft²/0.27m²	4.37ft²/0.34m²	6.06ft²/0.47m²	7.49ft²/0.58m²	
IP Rating	IP66					
Category of corrosion	C4(ISO 9223:2012)					

* The tolerance for weight is $\pm 6\%$.

Lifespan and Warranty

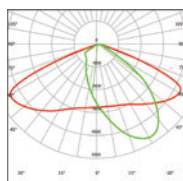
Operating Temperature (°C)		0 to + 50
Life Time of LED @Ta=25°C (hours)		40000hrs-L90
		82000hrs-L80
		131000hrs-L70
Warranty (years)	Battery	3
	Other accessories	5

Applications

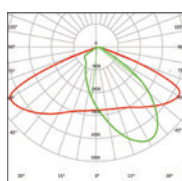
- Rural roadway
- Urban road
- Walk path
- Courtyard
- Parking lot
- Park
- Plazas

Photometry

30W-60W beam angle



R13802



R20402

New Features

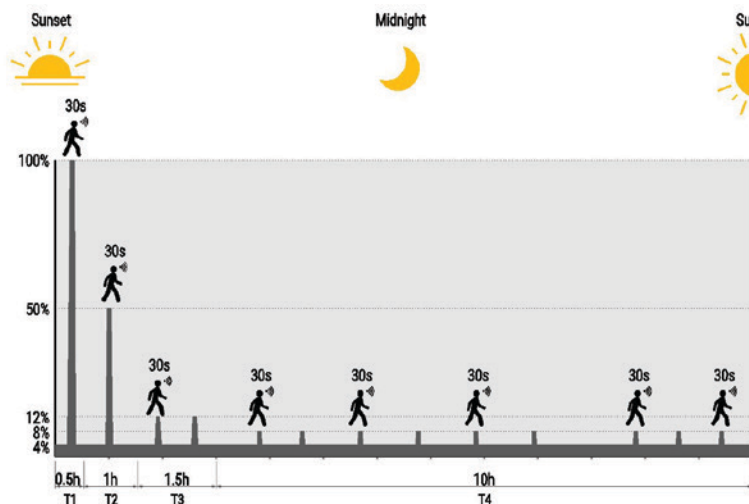
** Please consult us for details.*

Mounting Option

Post Top Mount



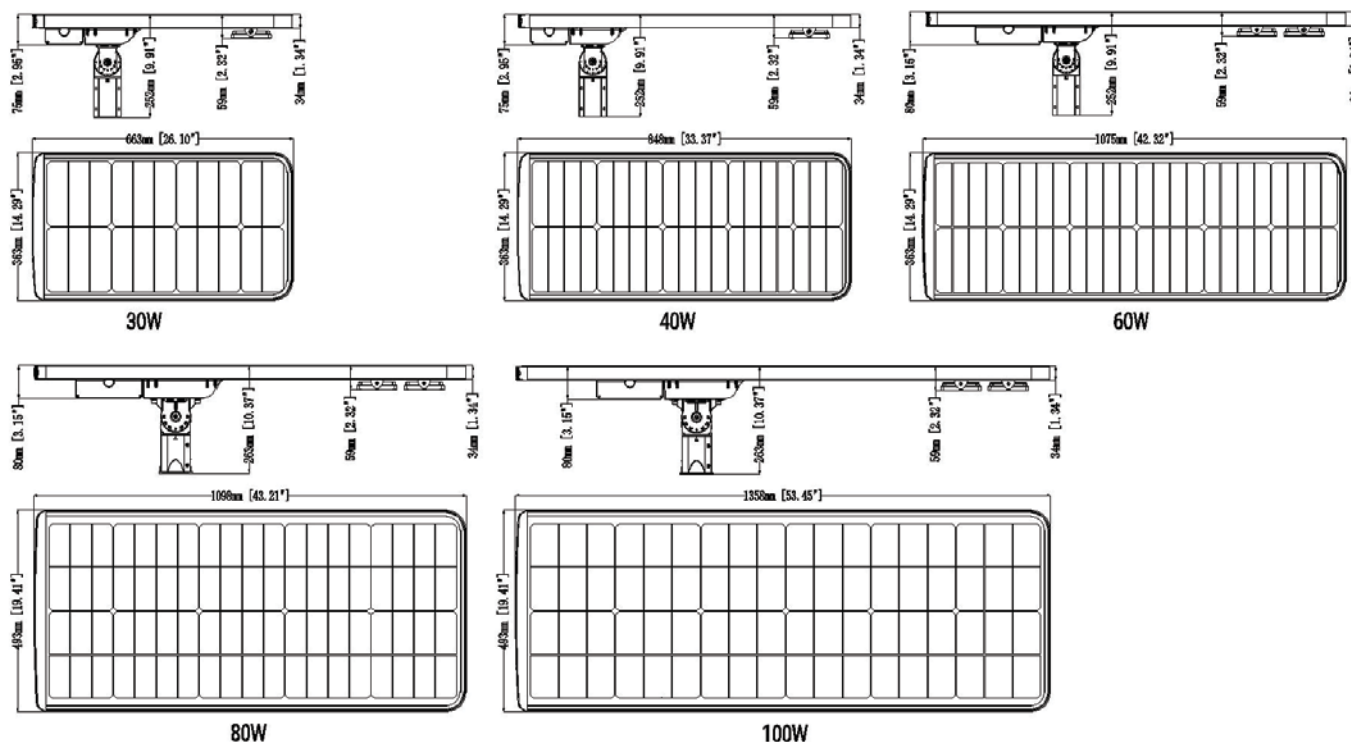
Intelligent Control Mode



		Time 1	Time 2	Time 3	Time 4
Default Working mode (Intelligent Mode)	Working hours	0.5h	1h	1.5h	10h
	Not detected	4%	4%	4%	4%
	Detected	100%	50%	12%	8%
	Light up for 30 seconds when detected				

Dimensions

Unit:mm



Accessories



30-60W

Pole mount spigot

aluminium alloy materials
code:SP-F45-01 (for dia 60mm pole)



80-100W

Pole mount spigot

aluminium alloy materials
code:SP-R57-02 (for dia 60mm pole)



Remote control

Remote controller for solar street light
code:RC24G