



HIGH-POWER SOLAR STREET LIGHT



EverGen

MADE IN FRANCE



l'intelligence
solaire **solar**
intelligence

EverGen



WARRANTY
6 YEARS

MADE IN FRANCE



EMBEDDED
INTELLIGENCE



UNMATCHED
SERVICE CONTINUITY



GROUPED
DETECTION



DATA SUPERVISION

The EverGen range of high-power solar street lighting has been designed to **illuminate your large projects** across all areas: main and secondary roads, avenues, boulevards, and large parking lots.

Fully configurable and equipped with **numerous options**, the EverGen will provide powerful lighting for many applications. The product is delivered in a kit for easy and quick on-site assembly in less than 30 minutes per kit. A **hybrid version** allows switching from autonomous solar to grid power when needed. Another version, **Rise-On**, uses the solar energy generated by your EverGen to power your external electrical devices (cameras for remote surveillance, IoT industrial sensors, etc...).



1

TILTABLE SOLAR PANELS

*Adjustable to 15°, 30°, or 50°
Suitable for all geographical areas
Self-cleaning coating
No dust accumulation*

2

NiMH or LiFePO4 HIGH-PERFORMANCE BATTERY

*Resistant to extreme conditions
Long lifespan (12 years on average)
Optimized thermal management*

3

SUNNACORE

*Electronic board with Bluetooth connection
Intelligent energy management system maximizing battery lifespan*

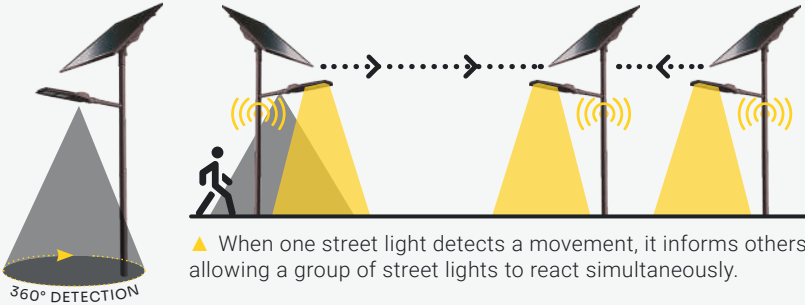
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HIGH-EFFICIENCY LED MODULES

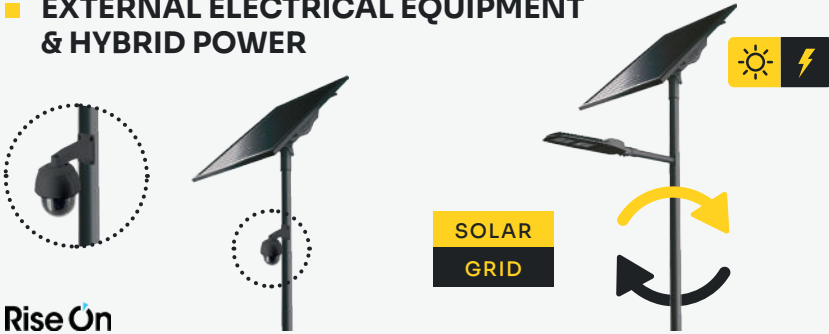
Up to 165 lm/W

■ GROUPED DETECTION *(optional)*

Street lights equipped with grouped detection contain sensors and transmitters allowing them to communicate with neighboring street lights.



■ EXTERNAL ELECTRICAL EQUIPMENT & HYBRID POWER

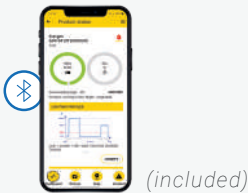


Rise On

Solar lighting can be used to power an external electrical device (camera, sensors...)

The perfect union between renewable solar energy and an electrical grid source to guarantee reliability and durability.

■ DATA SUPERVISION



LOCAL SUNNAPP

Install your street lights and interact with your products via long-range Bluetooth.

REMOTE SUNNA CLOUD

Monitor your street lights in real-time and perform preventive or curative maintenance on your products.

	Installation and commissioning support	+		Registration and management of the park
	Tracking and performance history			Management of lighting profiles

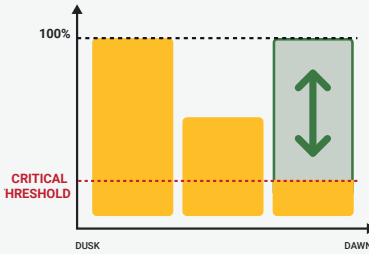
■ SMART ENERGY MANAGEMENT



Integrated within the EverGen range, the **SunnaCore** features advanced **autonomy management** to ensure sufficient battery energy for **optimal service 365 nights a year**, even during periods of low solar irradiation.

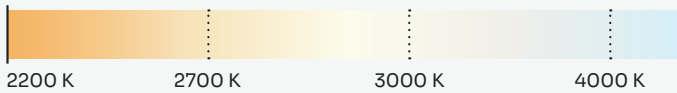
■ CUSTOMIZED LIGHTING PROFILES

Energy management adaptable to your needs:



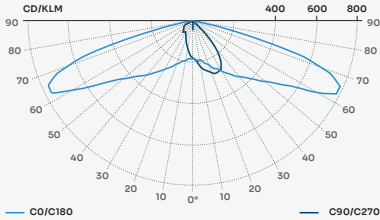
- ☑ Configuration of two modes according to days or months of the year.
- ☑ Adjustment of lighting power and duration of each phase based on available energy.
- ☑ Maintenance of sufficient energy reserves for critical needs.

■ COLOR TEMPERATURES

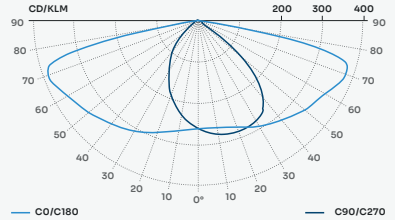


■ LIGHT DISTRIBUTION

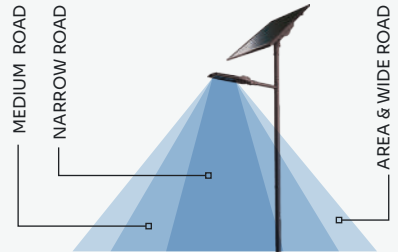
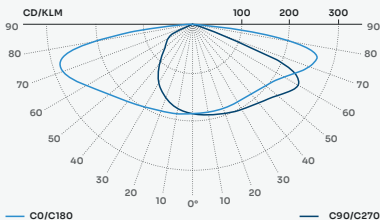
☑ NARROW ROAD



☑ MEDIUM ROAD



☑ AREA & WIDE ROAD



LIGHTING	LED Module	High-efficiency LEDs - Multichip technology (IP 67)	
	Luminous Flux	3,300 to 26 400 lumens	
	Power consumption	20 to 150 W max (or 2 x 80W max)	
	Luminous efficiency	Up to 165 lm/W	
	Power LED1 (W)	20 to 150 W	
	Power LED2 (W)	20 to 80 W	
	Color temperature	2200K, 2700K, 3000K, 4000K	
	Lifetime	110 000 hours certified by IESNA LM-90 B-50	
	Certificates	In compliance with EN 60598	
SOLAR PANELS	Technology	Photovoltaic module (Polycrystalline silicon)	
	Power	150, 290 or 350 Wp	
	Specifications electrical per panel	150Wp : VOC = 45.55 V / VMP = 36.7 V / ISC = 4.41 A / IMP = 4.09 A / Nb de cellules = 72 290Wp : VOC = 39.28 V / VMP = 32.47 V / ISC = 9.38 A / IMP = 8.93 A / Nb de cellules = 60 350Wp : VOC = 47.12 V / VMP = 38.93 V / ISC = 9.38 A / IMP = 8.99 A / Nb de cellules = 72	
	Panel dimensions	150 Wp : 1480x670x35 mm (58,26x 26,37x1,37 in) 290Wp : 1640x992x35 mm (64,56x 39,05x1,37 in) 350Wp : 1956x992x40 mm (77x39,05x1,5748 in)	
	Lifetime	> 20 years at 80% of initial power	
	Tilt	15° / 30° / 50°	
	Structure	Anodized aluminum alloy	
	Certificates	IEC 61215; IEC 61730; IEC 61701; IEC 62716	
	BATTERY	Battery technology	LiFePO4
Voltage		25,6V	24V
Capacity		676Wh, 845Wh, 1105Wh, 1352Wh, 1775Wh, 2028Wh, 2534 Wh	480Wh, 960Wh
Operating temperature		-20°C to +60°C (-4°F to +140°F)	-40°C to +85°C (-40°F to +185°F)
Lifetime		> 10 years	> 10 years
ELECTRONICS	Total output power LED 1 + LED 2 (W)	20 to 160 W	
	Water resistance	IP65	
	Operating temperature	-40°C to +70°C (-40°F to +158°F)	
	Weight(g)	900g	
	Certificates	CE; EN61000	
Materials	Pre-galvanized steel and zinc powder-coated steel		
GENERAL	SCx	150Wp : 0.29 m ² (15°) / 0.56 m ² (30°) / 0.86 m ² (50°) 290Wp : 0.50 m ² (15°) / 0.97 m ² (30°) / 1.5 m ² (50°) 350Wp : 0.60 m ² (15°) / 1.16 m ² (30°) / 1.79 m ² (50°)	
	Mounting	Recommended diameter of the mast end: 89 mm, diameter of the solar motor sleeve: 76 mm, Lantern: horizontal support	
	Weight (excluding pole)	Starting from 80 kg	
	Options	Local or remote supervision / Motion detector	

* Bracket not supplied

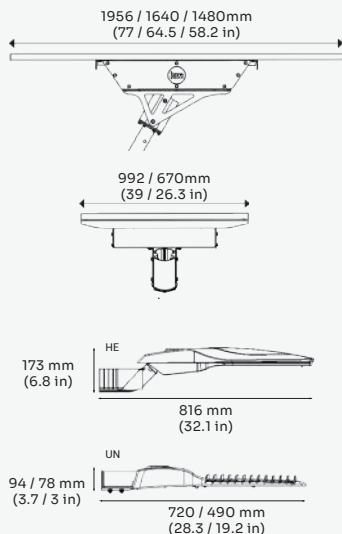
SOLAR GENERATOR CODIFICATION

DENOMINATION	BATTERY TECH.	BATTERY CAPACITY	PV	TILT	COLOR (RAL)	MOTION SENSOR	HYBRID	REMOTE SUPERVISION (EXT. ELEC. DEV)	RISE ON (EXT. ELEC. DEV)
EverGen-L	LiFePO4 (LFP)	676Wh	150Wc	15°	White (RAL 9010)	Yes	Yes	Yes	Yes
		845Wh	290Wc	30°	Grey brown (RAL 8019)	No	No	No	No
		1105Wh	350Wc	50°					
		1267Wh							
		1352Wh							
		1774Wh							
		2028Wh							
EverGen-N	NiMH	480Wh							
		960Wh							

FIXTURE CODIFICATION

NBR FIXTURE	CODE	FIXTURE	POWER	COLOR T°	MOTION SENSOR	LED CODE FIXTURE	FIXTURE CONNECTOR	COLOR (RAL)	OPTICS	IRC	
1	MONO	RL	1 He	04 40W	1 2200K	0 No	X X 0	Single	0 White (RAL 9010)	0 Area & Wide Road	7 70
2	DUAL	RL	2 Un	06 60W	2 2700K	1 Yes			1 Grey brown (RAL 8019)	1 Medium Road	
				08 80W	3 3000K				2 Narrow Road		
				10 100W	4 4000K						
				12 120W							
				15 150W							

DIMENSIONS



COLORS



RAL 9010
White



RAL 8019
Grey brown

PARKING LOT



APPLICATIONS

ROADS



DEVICE POWER SUPPLY





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