



INTELLIGENT & CONNECTED SOLAR STREET LIGHT



UP 1

MADE IN FRANCE



l'intelligence
solaire solar
intelligence

UP1



WARRANTY
6 YEARS

MADE IN FRANCE



FUNCTION
ANTI BLACKOUT



COMMUNICATION &
REMOTE SUPERVISION



PLUG & PLAY



UNIQUE RESISTANCE
TO EXTREME CLIMATES

UP1 is a reliable and robust all-in-one solar lighting solution. Its «plug and play» installation (easy and quick to implement in less than 15 minutes), unparalleled performance, and connected services make it the best offer on the market.

The product is controlled via an internally developed monitoring service, SunnAPP, and offers motion detection or remote supervision.



1

TILTABLE SOLAR PANELS

*Designed for temperate zones
Self-cleaning coating
No dust accumulation*

2

HIGH-PERFORMANCE NiMH BATTERY

*Resistant to extreme conditions
Long lifespan (average of 12 years)*

3

SUNNACORE

*Electronic board with Bluetooth connection
Intelligent energy management system that maximizes battery life*

4

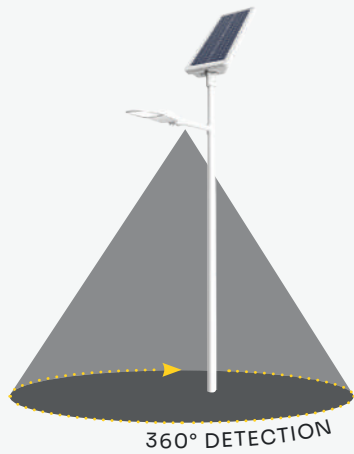
HIGH-EFFICIENCY LED LANTERN

Up to 166 lm/W

MOTION DETECTOR

(optional)

- ☑ Lighting or increase in intensity upon detecting movement around the street light
- ☑ Preserves battery life
- ☑ Optimal energy consumption
- ☑ No light pollution
- ☑ Enhanced security



DATA SUPERVISION

LOCAL SUNNAPP

(included)



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



Installation and commissioning support



Tracking and performance history



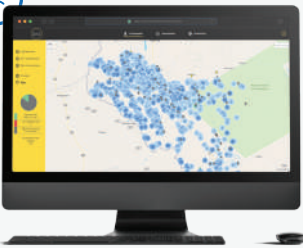
Registration and management of the park



Management of lighting profiles

REMOTE SUNNA CLOUD

(optional)



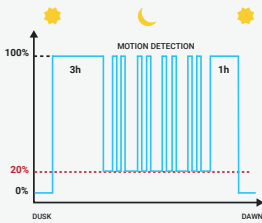
Monitor your street lights in real-time and perform preventive or curative maintenance on your products.

■ SMART ENERGY MANAGEMENT



Integrated into the UP range, the **SunnaCore** includes an advanced **autonomy management** feature that ensures enough energy in the battery to provide **optimal service 365 nights a year**, even in periods of low solar irradiation.

■ CUSTOMIZED LIGHTING PROFILES



Our lighting profiles are optimized based on daily sunlight.

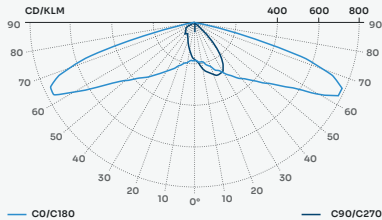
Based on previous days' weather data and the available battery capacity, our system automatically regulates light intensity to prevent outages and optimize lighting availability.

■ COLOR TEMPERATURES

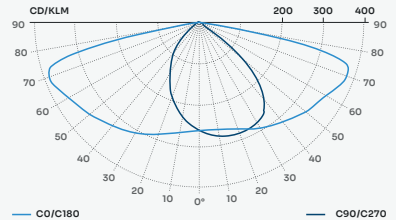


■ LIGHT DISTRIBUTION

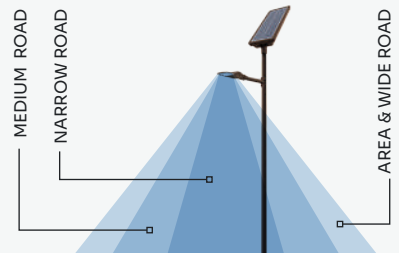
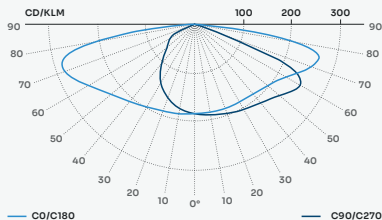
NARROW ROAD



MEDIUM ROAD



AREA & WIDE ROAD



IP65	IK07(PV)	IK08	CE
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LIGHTING	LED Module	High-efficiency LEDs - Multichip technology (IP 67)
	Luminous Flux	1,660 to 3,320* lumens
	Power consumption	10 W to 20* W
	Luminous efficiency (after optical losses)	Up to 166 lm/W (4000 K / 5700 K)
	Color temperature	2200 K, 2700 K, 3000 K, 4000 K & 5700 K
	Lifetime	100,000 hours certified by IESNA LM-90 B-50
	Certificates	EN 13032-1; EN 13032-2; EN 13201; EN 60598-1; EN 62471
SOLAR PANELS	Technology	Photovoltaic module (Monocrystalline silicon)
	Power	50 Wc
	Specifications electrical per panel	VOC : 22,89 V / VMPP : 18,54 V / ISC : 2,85A / IMPP : 2,7A / 36 cells
	Panel dimensions	1000 x 350 mm (39.37 x 13.77 in)
	Lifetime	> 25 years at 80% of initial power
	Tilt	5°, 25°, 50°
	Structure	Frameless
Certificates	IEC 61215; IEC 61730 I and II	
BATTERY	Battery technology	NiMH Battery (High temperature resistant, maintenance-free)
	Voltage	12V
	Capacity	120 Wh
	Operating temperature	-40°C to +70°C (-40°F to 158°F)
	Lifetime	12 years
	Certificates	EN 62133
ELECTRONICS	Technology	SunnaCore®
	Communication	Bluetooth
	Input voltage	24V
	Open circuit voltage	45V
	Max charge and discharge current	5A
	Wiring	Marine quality used for all applications
	Electrical protection	Electronic fuse
	Lifetime	12 years
	Water resistance	IP65 with waterproof connectors
	Certificates	CE; EN61000; EN61547; EN55015; EN62493; EN 62479 EN300328; EN 301489-1
GENERAL	Materials	Body ABS PMMA (100% recycled) and aluminum
	SCx	0,40 m2 (solar panel tilt angle 50°)
	Mounting	Solar generator: Top-mounted: Outside diameter Ø50.8 mm; Luminaire: bracket** or horizontal bracket
	Weight (excluding pole)	13 kg
	Options	Motion detector (detection radius: 3 to 5m depending on installation height) Anti-theft screws / Local or remote supervision

* Available with motion detection ** Mounting bracket not supplied

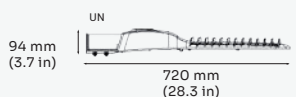
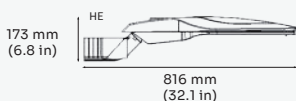
SOLAR MOTOR CODIFICATION

CODE	MOTION DETECTOR		LIGHTING PROFILE		COLOR (RAL)
SD4149	0	No	0A	100% (3h) / 40% / 100% (1h)	0 White (RAL 9010)
	1	Yes	0B	60% (dusk - dawn)	1 Grey brown (RAL 8019)
			0C	100% (3h) / 20% + detection 100% / 100% (1h)	2 Noir (RAL 9005)
			0E	100% (2h) / 30% / 100% (1h)	
			0G	100% (2h) / 20% + detection 100% / 100% (1h)	
			0L	20% + detection 100%	
			0M	100% (5h) / 40% / 100% (1h)	
			0N	100% (6h) / 0%	
			0Q	50% (3h) / 15% / 50% (1h)	
			0R	[50% (3h) / 12% / 50% (1h)] + detection 100%	
			0T	50% (4h) / 0% / 50% (1h)	
			AC	20% + detection 100% (dusk - 23h) / 0% / 20% + detection 100% (5h - dawn)	
			AH	0% + detection 100%	
			AM	100% (dusk - 8:30PM) / 0% / 50% (5AM - dawn - 30min) / 100% (dawn - 30min - dawn)	
			AT	100% (4h) / 0%	
			AU	100% (dusk - 00:00) / 0% / 100% (5AM - dawn)	
			BB	100% (dusk - 11:30PM) / 0% / 100% (5:30AM - dawn)	
			BD	100% (dusk - 10PM) / 0% / 100% (6:30AM - dawn)	
			BG	100% (dusk - dusk+2h) / 50% (dusk+2h - 11:30PM) / 0% (11:30PM - 5:30AM) / 50% (5:30AM - dawn-1h) / 100% (dawn-1h - dawn)	
			BJ	50% (2h30) + detection 100% / 0% / 50% (2h30) + detection 100%	
		BK	100% (2h) / 30% (3h) / 0% / 30% (1h) / 100% (1h)		
		BS	100% (3h) / 0% / 100% (2h)		

LANTERN CODIFICATION

CODE	LANTERN	POWER NOMINAL	COLORS T°	MOTION DETECTOR	LED CODE LANTERN	LANTERN CONNECTOR	COLOR (RAL)	OPTICS	IRC	
RL	1	He	02 20W	1 2200K	0 No	X X	0 Single	0 White (RAL 9010)	0 Area & Wide Road	7 70
	2	Un		2 2700K	1 Yes			1 Grey brown (RAL 8019)	1 Medium Road	
				3 3000K				2 Black (RAL 9005)	2 Narrow Road	
				4 4000K						
				0 5700K						

DIMENSIONS



COLORS



RAL 9010
White



RAL 8019
Grey brown



RAL 9005
Black

PARC & RECREATION



PEDESTRIAN PATH

VACATION VILLAGE



APPLICATIONS



2023



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SOLAR INTELLIGENCE