



M^{OO}ON

Elegant. Modern. Efficient.

Advanced Level: Control. Monitoring.
Innovation.

MODELS

SUSPENDED

STREET

TOP



STREET

Ideal for **large city roads** and **major urban streets**, it provides high-quality lighting with a consistent design while reducing the carbon footprint of cities and communities, creating a **safe** and **attractive** environment.



SUSPENDED

Ideal for **smaller city streets, residential areas, and neighborhood pathways**, it provides high-quality lighting with a consistent design while reducing the carbon footprint of cities and communities, creating a **safe** and **attractive** environment.



TOP

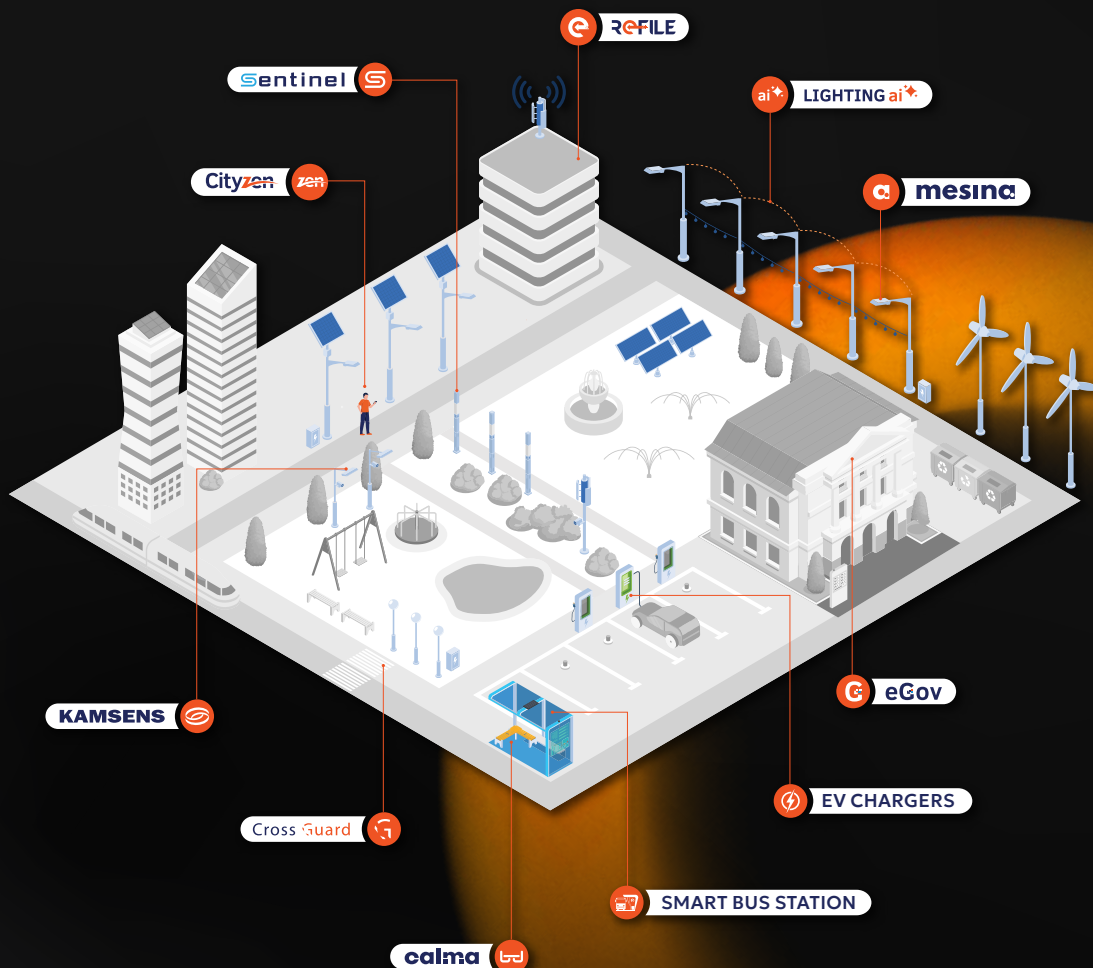
Ideal for **parks, gardens, green corridors, and recreational outdoor areas**, it provides high-quality lighting with a consistent design while reducing the carbon footprint of cities and communities, creating a **safe** and **attractive** environment.

ABOUT URBIO

URBIO, a Romanian technology company, is shaping the **future of smart infrastructure** through its Lighting Ai ecosystem - a comprehensive **smart-city** platform that seamlessly connects IoT hardware, intelligent lighting, environmental sensors, and cloud-based software into one unified network.

Designed to **empower** municipalities and operators, **Lighting Ai** enables real-time monitoring and management of public lighting and infrastructure, providing **AI-driven** insights for optimized performance.

By centralizing operations within a single digital interface, it drives greater efficiency, reduces energy consumption, and promotes long-term urban **sustainability**.



Certifications:

CE certification confirms compliance with **EU safety**, electromagnetic compatibility, and energy-efficiency standards. **ENEC** ensures that luminaires meet independent European safety and performance requirements. **RoHS** guarantees restriction of hazardous substances, while REACH ensures no harmful chemicals exceed accepted limits.

Labels: CE Certified, ENEC Approved, RoHS Compliant, REACH Compliant.

ABOUT MOONLIGHT

Various
designs

Numerous
configurations

One single
luminaire.



It is the ultimate platform for creating your **unique** urban lighting solution. Focus on creating a unique ambiance for the people who live in or visit your spaces, instead of dealing with continuous constraints.

Ideal for wide boulevards, urban centers, public squares, bike lanes, and other outdoor urban areas, it provides high-quality lighting with consistent design and reduces the carbon footprint for cities and localities, creating a **safe** and **attractive** environment.

REAL BENEFITS

These benefits support the highest level of production possible at this time.



Easy to
install



Lower operating
costs



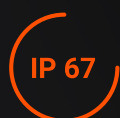
100% recyclable
Environmentally friendly



Light flux
adjustment



Compatible for remote
management





Alleys & Sidewalks



Gardens & Parks



Parking



Train & bus stations



Pedestrian areas



Streets & Roads



TECHNICAL SPECIFICATION

GENERAL INFORMATION	STREET	SUSPENDED	TOP
Power Range		7W-90W	
Lifetime		100,000 h	
Warranty		5 years	

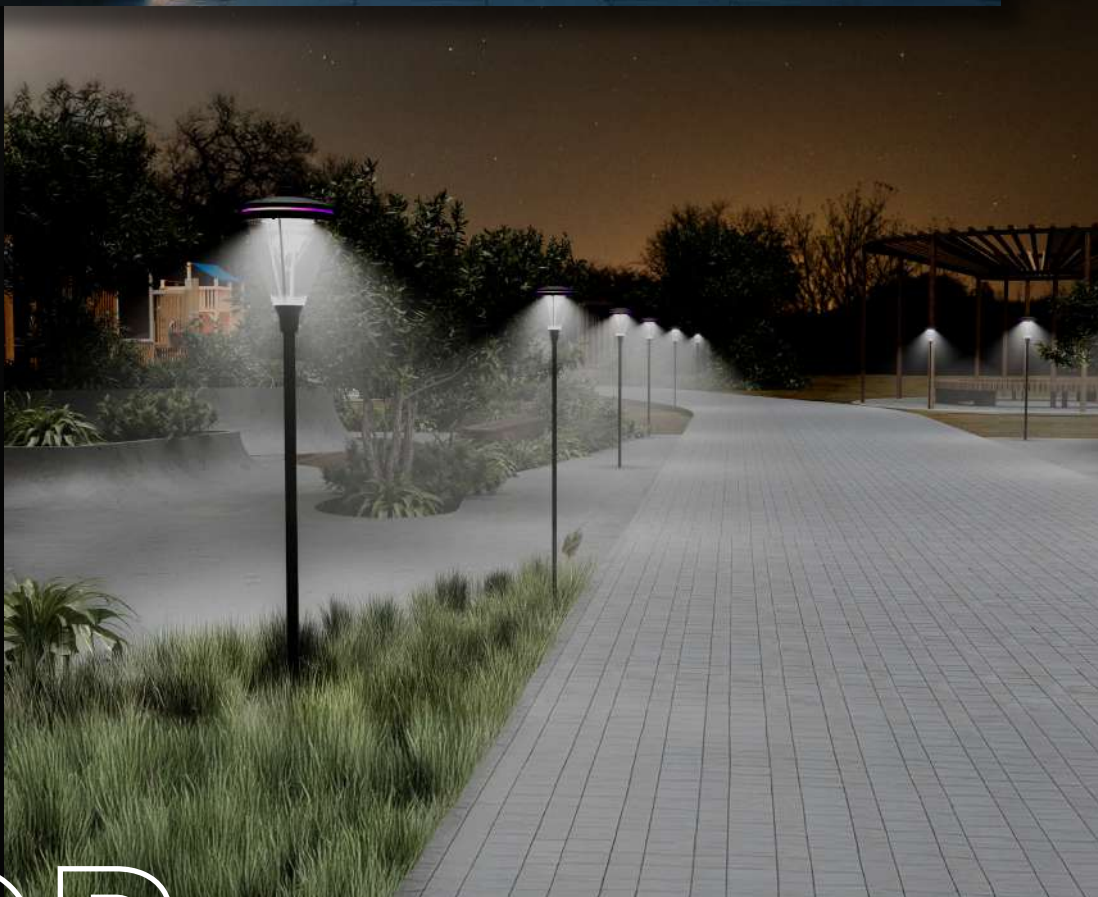
OPTICAL CHARACTERISTICS	STREET	SUSPENDED	TOP
Source Type		LED Module	
No. of LEDs		24 / 48 pcs	
LED CCT	1800K; 2200K; 2700K; 3000K; 4000K; 5700K $\pm 10\%$		
LED CCT		>70 / >80	

ELECTRICAL CHARACTERISTICS	STREET	SUSPENDED	TOP
Rated Power		7W-90W $\pm 1\%$	
Nominal Voltage		220-240 Vac (50/60 Hz)	
Power Factor		≥ 0.9	
Operating Temp.		-40°C to +55°C	
Electrical Class		Class I / II	
Surge Protection		10kV / 20kV	
CLO Function / Lifetime Warning		YES	

COMPLIANCE	STREET	SUSPENDED	TOP
CE Mark		YES	
ENEC / ENEC+		YES	
RoHS		YES	
WEEE		YES	
Standards	EN 1-60598, EN 3-2-60598, EN 62262 (IK), LM80, EMC EN 55015 / EN 61000 ...		

MECHANICAL CHARACTERISTICS	STREET	SUSPENDED	TOP
Housing	Aluminium Die-cast		
Installation Height	4m – 12m		
Dimensions	503×140 mm	504×645 / 545 / 493 mm	503×705 / 605 mm
Weight	Max 10 kg		
Diffuser	Glass	Polycarbonate	Polycarbonate
Lens	PMMA / PC		
IP Rating	IP66		
IK Rating	IK09		
Maintenance	Tool-less access		
Installation	Compatible with 32 / 48 / 60 / 76 mm arm or pole adapters		

DIMMING & CONTROL	STREET	SUSPENDED	TOP
Dimming Interface		0-10V / DALI2-D4I	
Connectivity Options		NEMA (opt), Zhaga (opt) NEMA+Zhaga (opt)	
Special Features	RGB ambient lighting, Tunable white, RGBW options		



TOP

Ideal for **parks, gardens, green corridors,**
and **recreational outdoor areas**

STREET

Ideal for **large city**
roads, and major urban streets.



SUSPENDED

Ideal for **smaller city streets, residential areas,**
and **neighborhood pathways**



CONTROL SYSTEMS

Moonlight is fully compatible with the Lighting AI telemanagement platform, providing advanced remote management, real-time monitoring, and automated lighting control.



- Start/Stop
- Adjusting the luminous flux
- Measurement of electrical and lighting parameters
- Control of the number of operating hours;
- Self-diagnosis alerts and breakdowns
- Color temperature change;
- Interaction with multifunctional sensors
- Operation according to customized scenarios
- Access to the lighting network map and specific details

ZERO running costs

NO 4G

HOW IT WORKS





123
Unitati

Puncte de aprindere



19:40



06:00

Calendare

LINKING WITH MOONLIGHT

The integrated sensors in **Moonlight** connect directly to the Lighting AI remote management platform, enabling full control, real-time monitoring, and smart optimization of the lighting schedule. Operation adjusts automatically based on vehicle and pedestrian presence or weather conditions, following preset programs or manual commands when needed. Light intensity and color can be automatically regulated to improve visibility and adapt to the environment.



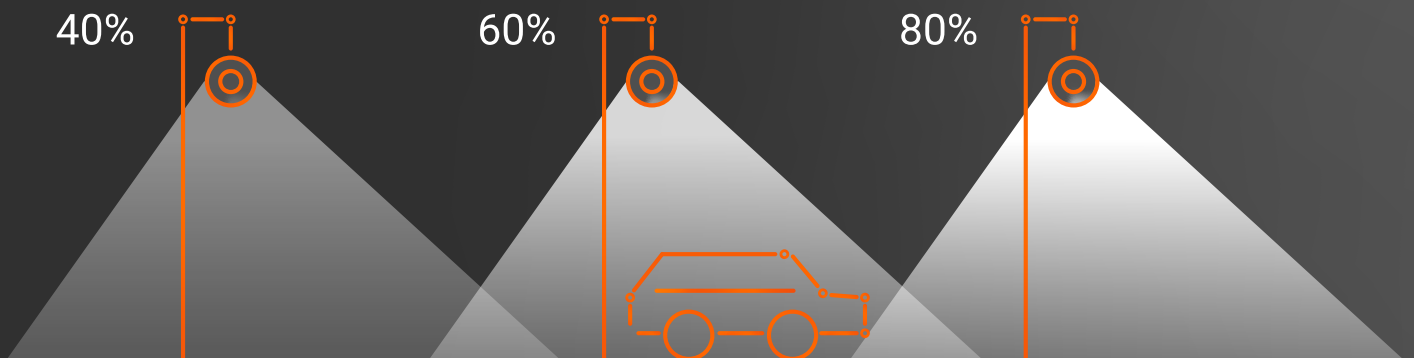
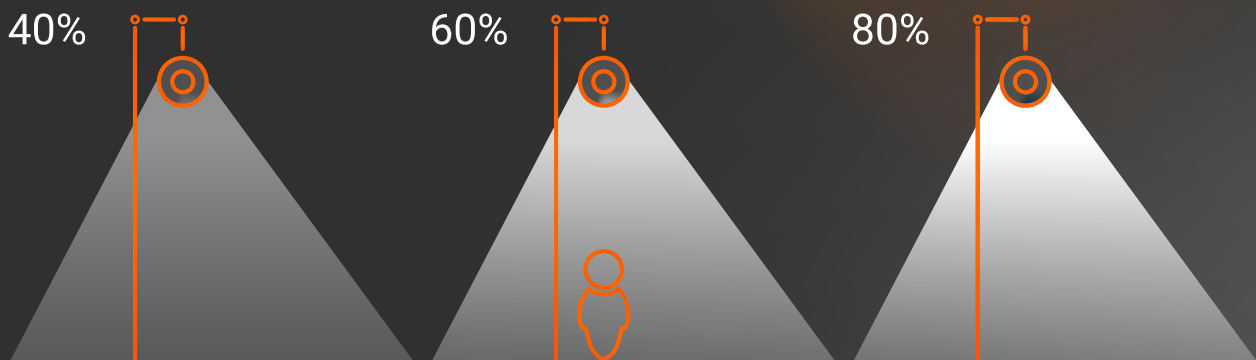
- Dimming
- Power supply
- Sensors



- QR CODE engraved for quick installation

SENSOR MNPL

Moonlight's sensors link with Lighting AI for intelligent, adaptive lighting that adjusts to traffic and weather, optimizing brightness and color for clear visibility.





MULTIFUNCTIONAL SENSOR **KAMSENS**

Digitization and openness to artificial intelligence

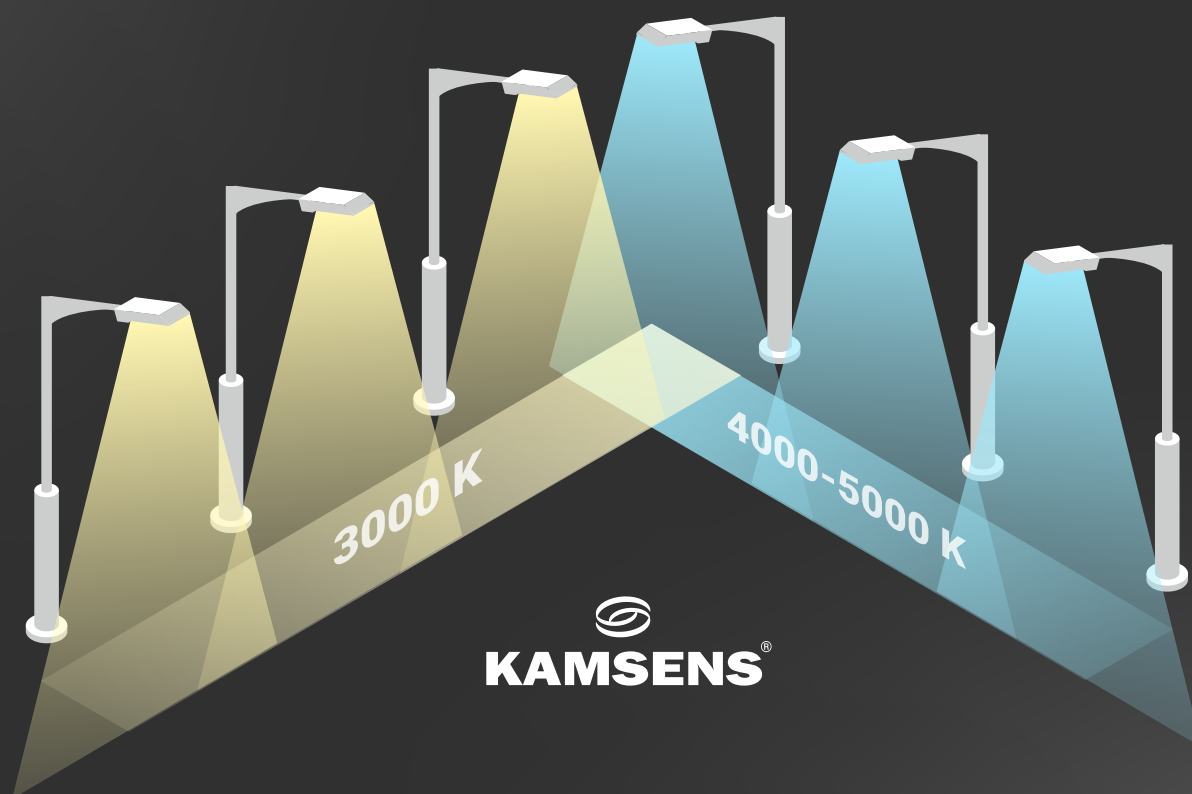
The Kamsens multifunctional sensor collects information from the environment, specifically processes and analyzes data regarding weather or traffic conditions and sends it to the Lighting AI remote management platform.

From here, the alerts needed to adjust the light according to specific conditions are sent.

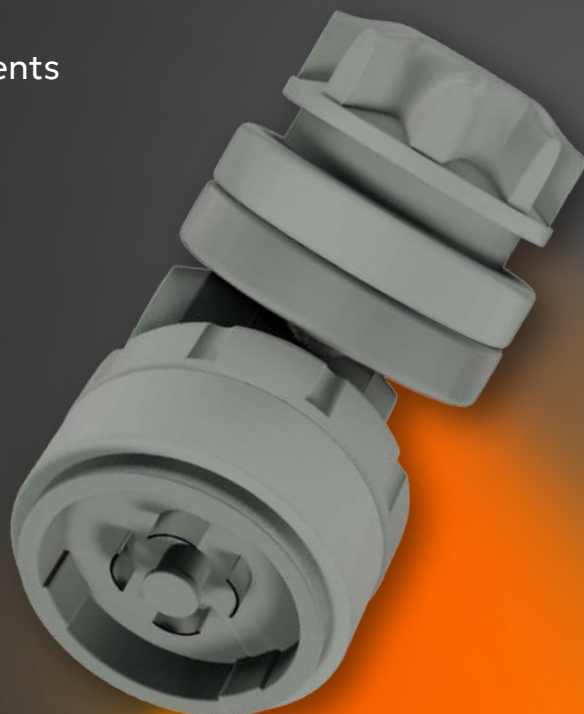
**Moonlight – Kamsens – Lighting AI
Innovation for community safety.**

Moonlight is able, through the Kamsens multifunctional sensor that transmits information to the Lighting AI remote management platform, to adjust the color temperature from a neutral - natural white to a yellowish white, to significantly reduce the lack of visibility in conditions of intense fog for road traffic.

This setting can be done automatically or manually and provides an undeniable benefit to road users and thus to the whole community by supporting safety and optimal road conditions.



- Validated solution in urban and rural environments
- Proven efficiency and control
- Over 200 successfully implemented projects
- Implementation throughout Romania





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