URBIO



MOON

Elegant. Modern. Efficient.

Advanced Level: Control. Monitoring. Innovation.

MODELS

- STREET
- SUSPENDED
- TOP



STREET

Ideal for **highways, 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.

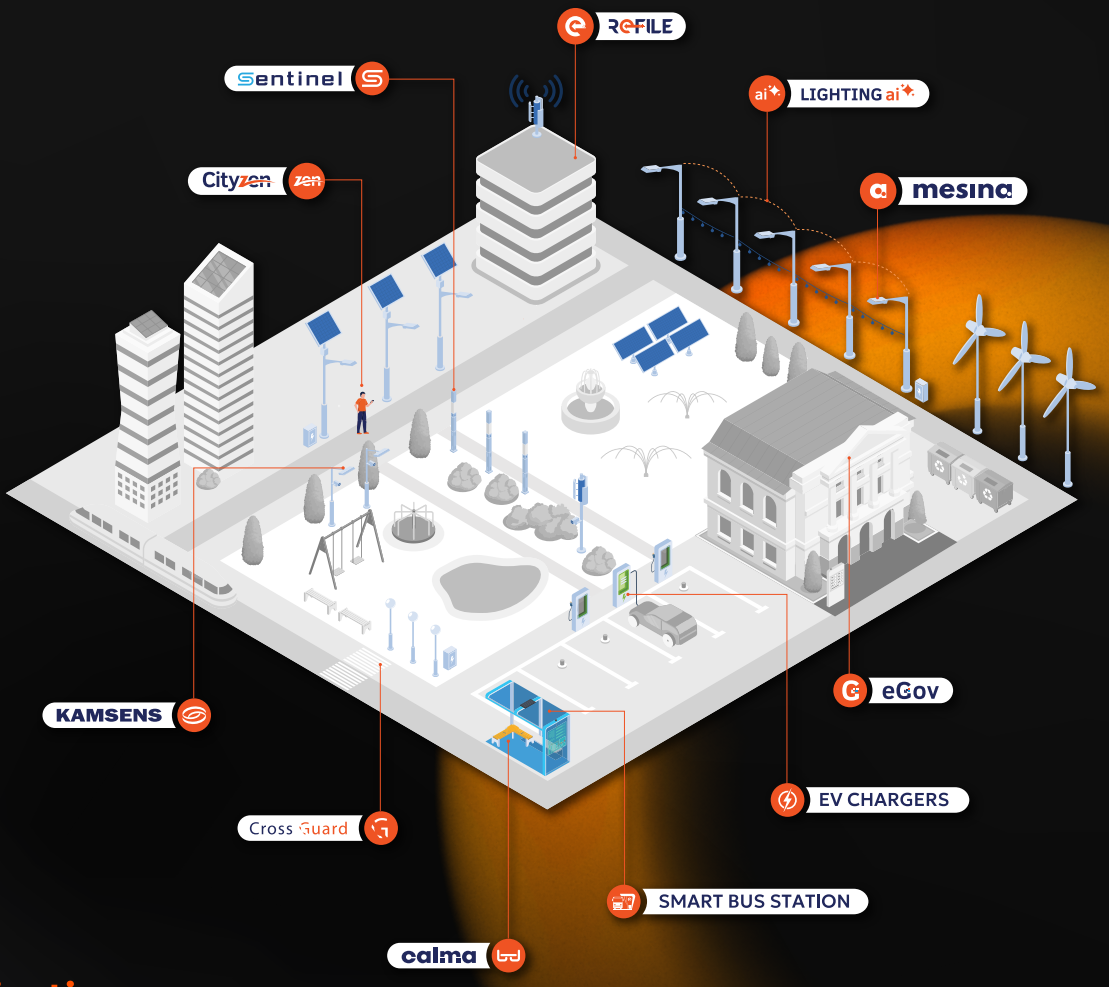


TOP

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 MOON



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

IP 66 IK 10

Alleys & Sidewalks

Gardens & Parks

Parking

Train & bus stations

Pedestrian areas

Streets & Roads



TECHNICAL SPECIFICATION

GENERAL INFORMATION	STREET	SUSPENDED	TOP
Power Range		7W–90W	
Lifetime		L90B10 @ 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 ±10%	
CRI		>70 / >80[1]	
Luminous Flux [1]	1,120 – 16,830 lm	1,050 – 15,570 lm	1,029 – 15,300 lm
Luminaire Efficacy [1]	160 – 187 lm/W	150 – 173 lm/W	147 – 170 lm/W

ELECTRICAL CHARACTERISTICS	STREET	SUSPENDED	TOP
Rated Power		7W–90W ±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	

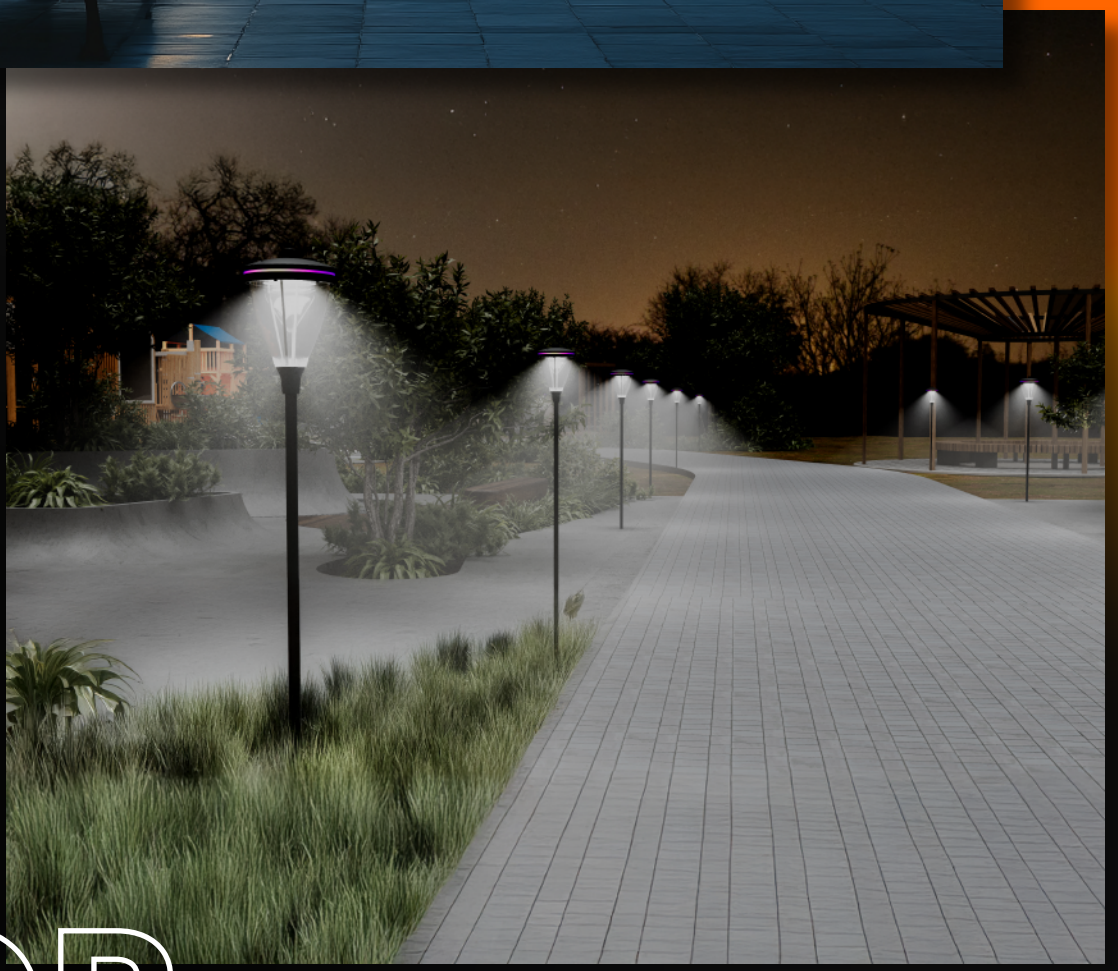
[1] All photometric data in this datasheet — luminous flux and luminaire efficacy — refer to 4000 K / CRI 70 configurations at tq 25 °C.
Photometric data for other colour temperatures on request; CRI 80 is certified at 3000 K only.

COMPLIANCE	STREET	SUSPENDED	TOP
CE Mark	YES		
ENEC / ENEC+	YES		
RoHS	YES		
WEEE	YES		
Standards	EN IEC 60598-1:2021/A11:2022, EN 60598-2-3:2003/A1:2011, EN 62262:2002/A1:2021 (IK), LM80, EMC EN 55015 / EN 61000, EPRS 003:2025-04, EPRS 002:2025-04		

MECHANICAL CHARACTERISTICS	STREET	SUSPENDED	TOP
Housing	Aluminium Die-cast		
Installation Height	4m – 12m		
Dimensions	Ø503 × 186 mm / Ø503 × 178 mm (630 mm length) / Ø503 × 233 mm	Ø503 × 645 / 545 / 493 mm	Ø503 × 705 / 605 mm
Weight	Max 10 kg		
Diffuser	Glass	Polycarbonate	Polycarbonate
Lens	PMMA / PC		
IP Rating	IP66		
IK Rating	IK10		
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 (optional)		





TOP

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

STREET

Ideal for **highways, 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.

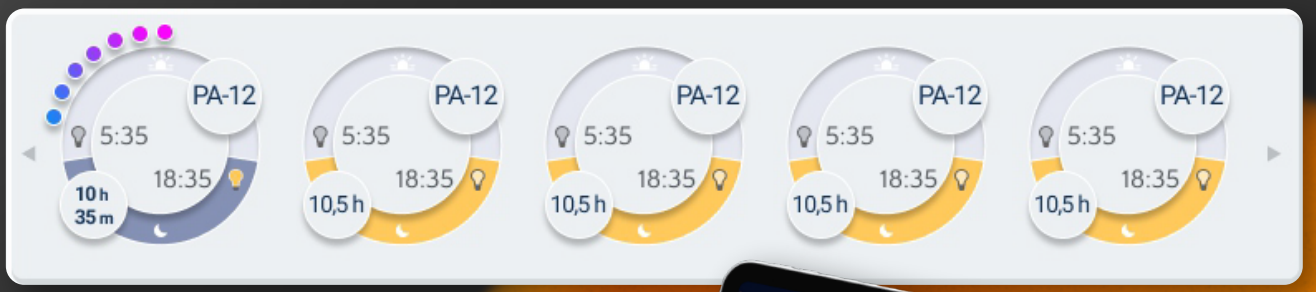


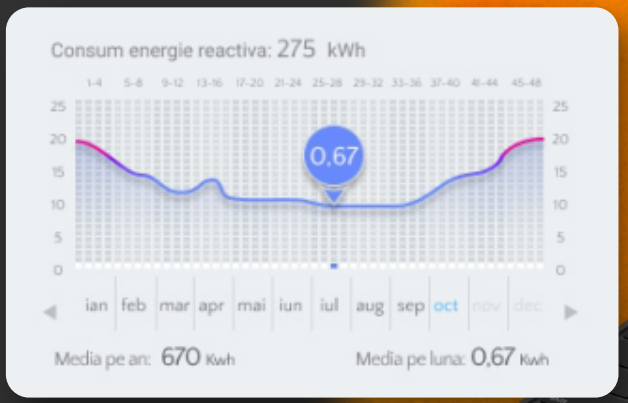
- Start/Stop
- Adjusting the luminous flux
- Measurement of electrical and lighting parameters
- Control of the number of operating hours;
- Self-diagnosis alerts and breakdowns
- Color temperature change;
- Interaction with multifunctional sensors
- Operation according to customized scenarios
- Access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

ZERO running costs

NO 4G

HOW IT WORKS


PA-12
5:35
18:35
10 h 35 m
10,5 h


Consum energie reactiva: 275 kWh
0,67
ian feb mar apr mai iun iul aug sep oct nov dec
Media pe an: 670 Kwh
Media pe luna: 0,67 Kwh


LIGHTING ai
powered by URBIO


123
Unitati
Puncte de aprindere
19:40
06:00
Calendare

LINKING WITH MOON

The integrated sensors in **Moon** 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



PREDICTNET · NEMA · KAMSENS · LoRaWAN

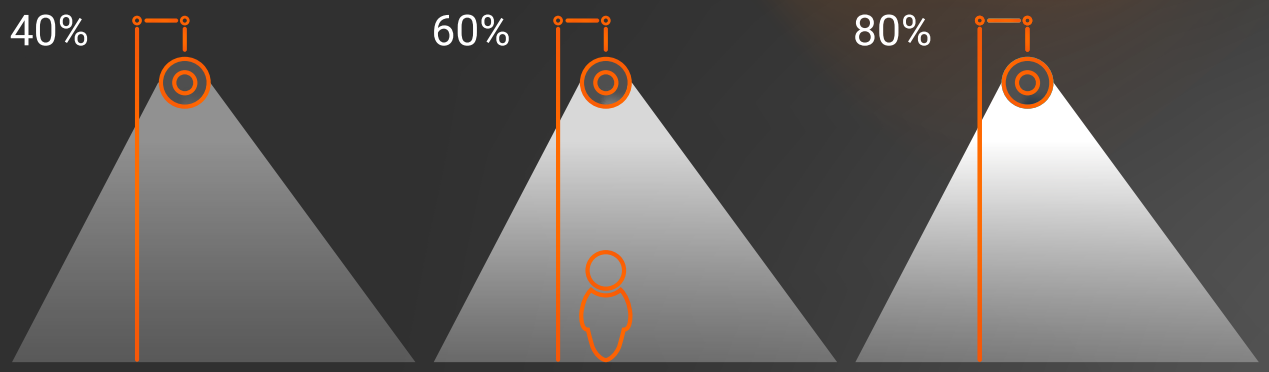


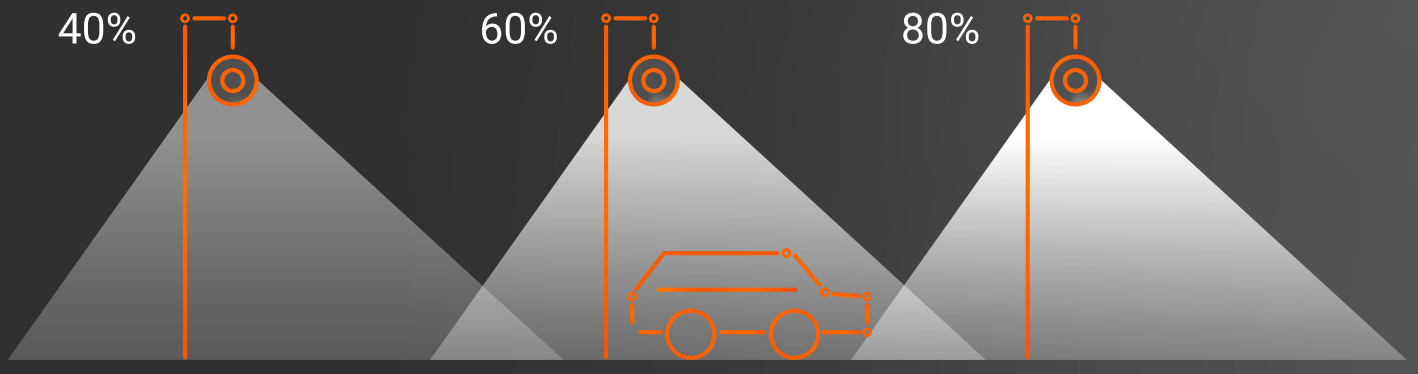
- QR CODE engraved for quick installation

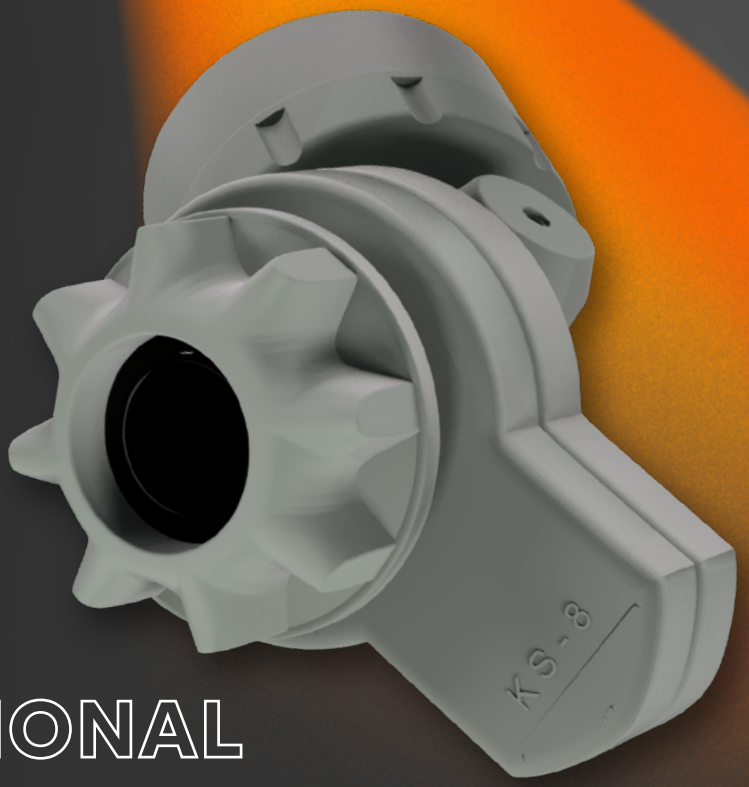
SENSOR
MNPL

Moon'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

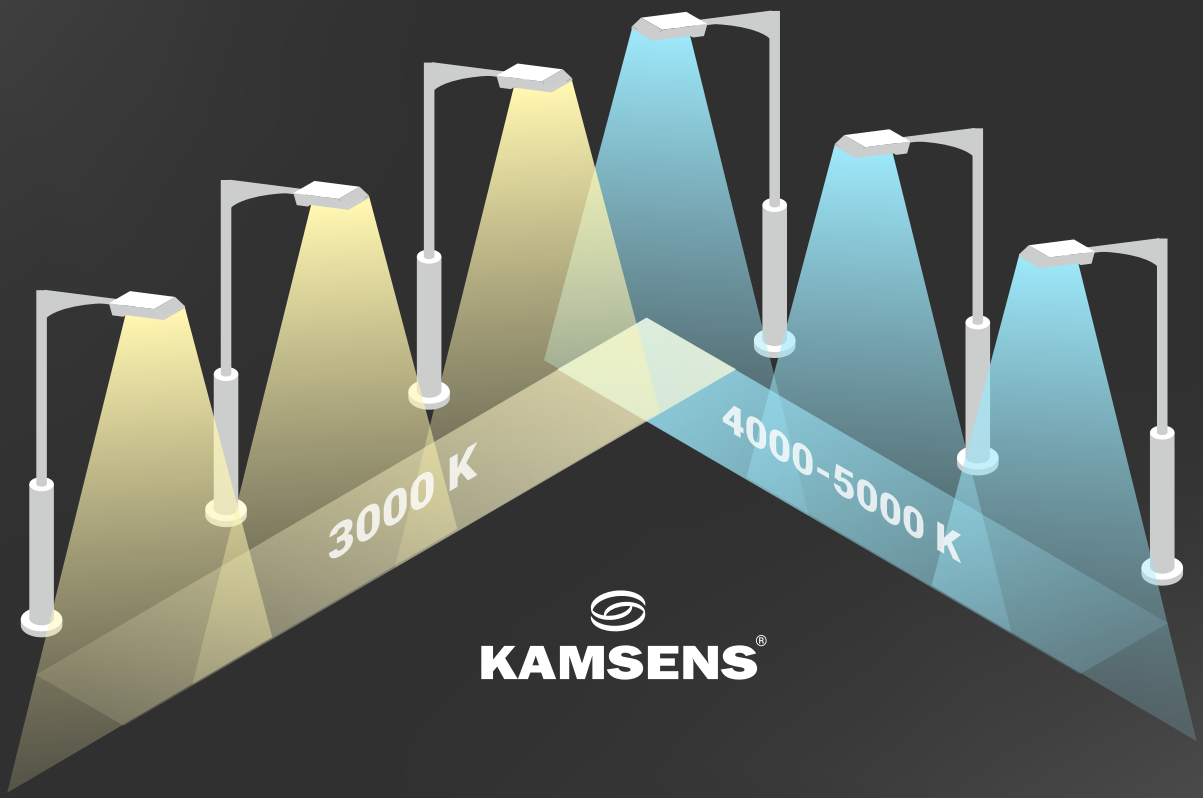
The Kamsens multifunctional sensor collects information from the environment, specifically processes and analyzes data regarding weather or traffic conditions and sends it to the Lighting AI remote management platform.

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

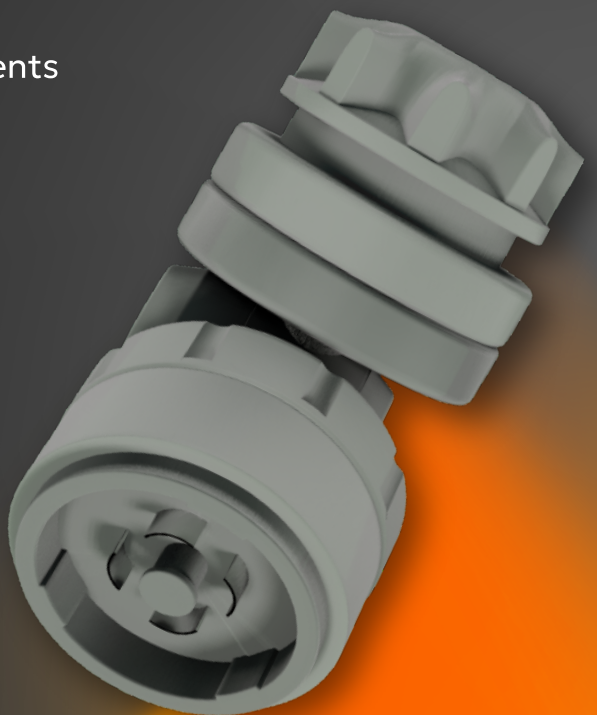
Moon – Kamsens – Lighting AI
Innovation for community safety.

Moon 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



Headquarters

T/ 0040 232 214014

E/ office@urbio-romania.ro

A/ Str. Gavriil Musicescu 6, Iași

Production

T/ 0040 232 214014

E/ office@urbio-romania.ro

A/ Parcul Industrial Moreni
Str. Islaz, Teiș, Jud. Dâmbovița

www.urbio.ai

Branches

Urbio Republic of Moldova

URBIO LED, Str. Serghei Lazo, 34,
Chisinau, Republic of Moldova

Urbio Montenegro

URBIOLED DOO, CRNOGORSKIH
SERDARA BR. 7, Podgorica, CRNA GORA

Urbio Dubai

URBIO Technologies LLC
Dubai, Motor City , Daytouna
House, 201

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