

Mesina

urbio-romania.ro

Advanced Level: Control. Monitoring. Innovation.
Robust. Modern. Efficient.



URBIO

A new world is developing.
We are honored to contribute.



Messina means a very long-term partnership through which we support the beneficiaries at every step. Designed to meet the needs of a community. We respect uniqueness and offer integrated support to achieve optimal results.

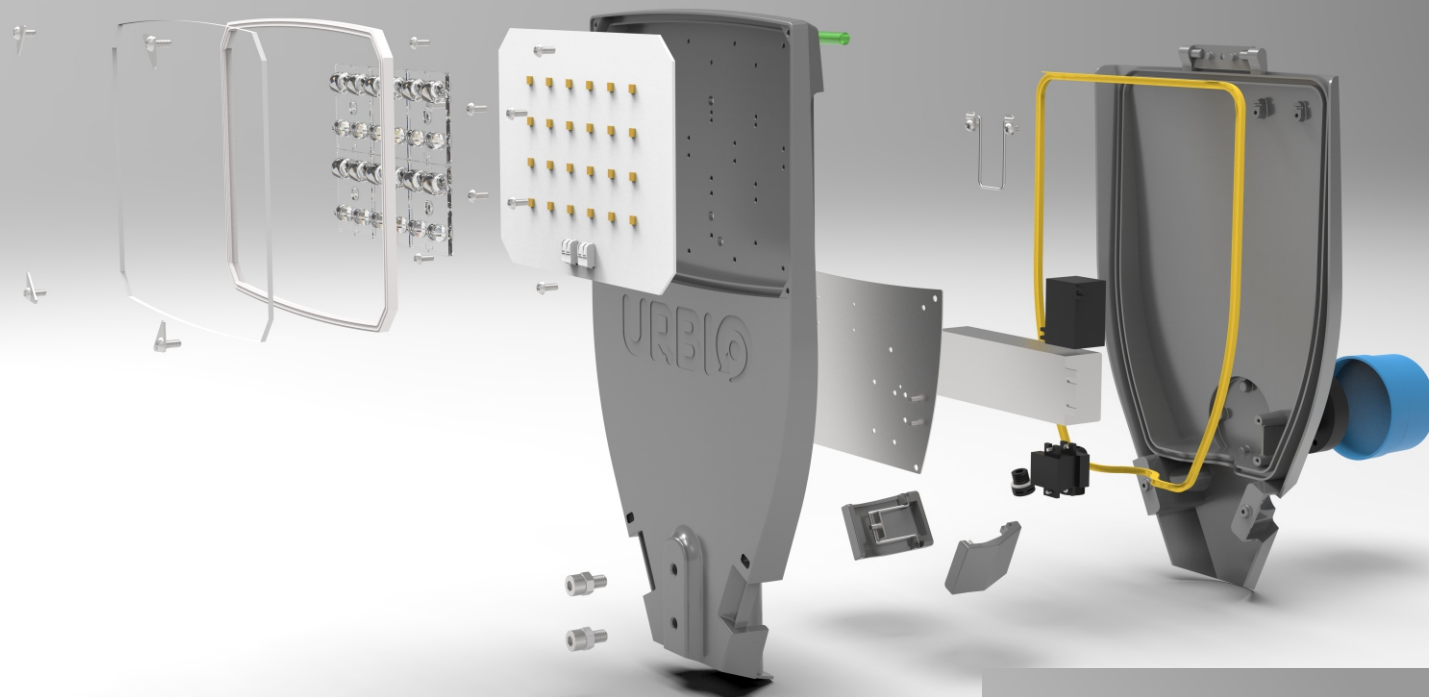
Together we step towards smart city & smart village.

Messina represents the optimal solution for public street lighting. With a versatile design, these lighting fixtures have been built to last.

It stands out for a special lighting efficiency, as well as for a wide range of installed powers. It is adaptable to any situation and is a lighting device ready for the future.

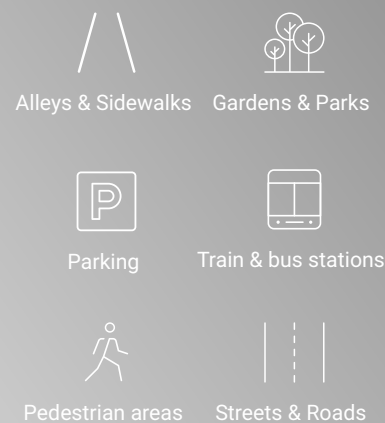
It is easily integrated, "plug and play", with Smart City systems.

URBIO



Lighting has always been an important aspect for every community. In full progress of the digital era, cities and villages are becoming smart cities and smart villages. Mesina contributes to this phenomenon through solutions at the highest level of performance possible today for control, monitoring and efficiency of energy consumption.

Thus, today's results increasingly improve the quality of life in the community and support the effort to reduce greenhouse gases to create a better, sustainable future for generations to come.



Real benefits

The benefits support the highest level of output possible at this time.



Lower operating costs.



100% recyclable.
Environmentally friendly.



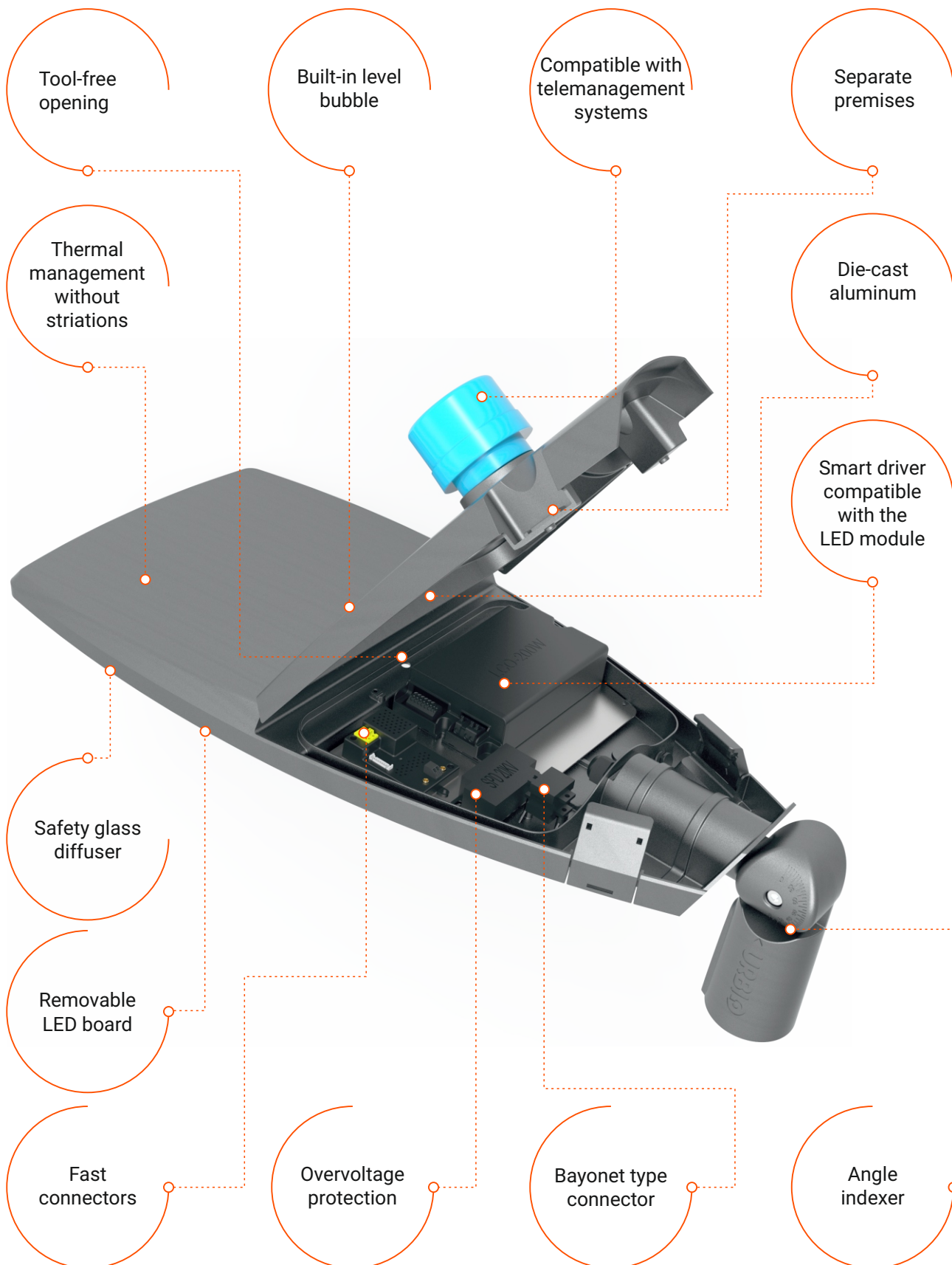
Light flux adjustment.



Easy to install.



Compatible for remote management.



MESINA



GENERAL INFORMATION	MESINA M	MESINA L	MESINA XL
Lifetime		50.000 H	
Guarantee		5 years	

OPTICAL			
Source type		LED	
No. LED	24/36	48/72	80/120
LED type		5050 series	
Color temperature		3000K-4000K-5700K $\pm 10\%$	
Color rendering index		CRI ≥ 70 ; ≥ 80 ;	
LED luminous efficiency		Min. 215 lm/W	
Luminous efficiency of the device		Min. 160 Lm/W	
Supply voltage LED		5.8-6.6V	
LED power class		0.45-5W	
LED light distribution angle		138°	
LED junction temperature		Max. 125°C	
Optional	Possibility of changing the color temperature with interval between 3000 and 5700K		

ELECTRICAL CHARACTERISTICS			
Working frequency		50/60 Hz	
Rated power	15W-60W $\pm 1\%$	50W-110W $\pm 1\%$	100W-180W $\pm 1\%$
Nominal voltage		220-240 Vac / 100-277 Vac	
Power factor		$\geq 0,95$	
Ignition time		0,5 sec	
Operating temperature		-40°C ÷ +50°C	
Electrical insulation class		Class I	
Short circuit protection		SPD 10kV, optional SPD 20kV	
Protection against switching		DA	
Integrated overheating protection	According to EN 61347-2-13 C5e, return to working conditions		
Auxiliary output 12V/0.2A	Optionally, with the possibility of connecting multifunctional sensors		
CLO function		DA	
Product lifetime warning		DA	

CASE AND MECHANICAL PROPERTIES			
	245x435x75mm	580x310x75mm	690x335x90mm
Dimensions			
Case	Die-cast aluminium, painted in electrostatic field		
Weight	Max. 3.6 kg	Max. 6.5 kg	Max. 8.0 kg
Diffuser	Heat resistant glass		
Lens	PMMA/PC		

Angle indexer



Best tilt angle available: 180°

Assembly:

- >> adaptable to any situation;
- >> quickly;
- >> minimum cost involvement;
- >> simplified due to construction with graduated marking.

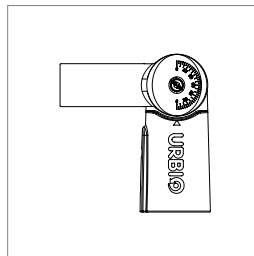
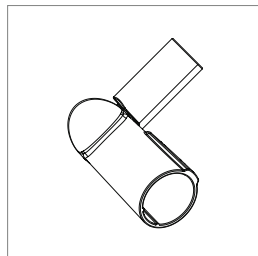
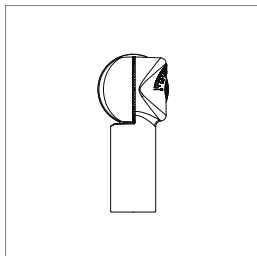
Universal fastening system made of die-cast aluminum.

- >> adjustable tilt angle-90° ~ +90°, adjustment from 5° to 5°.

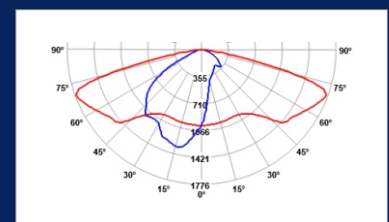
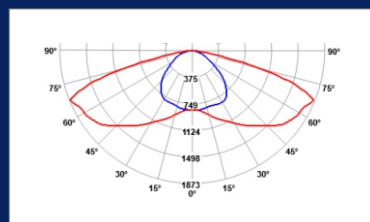
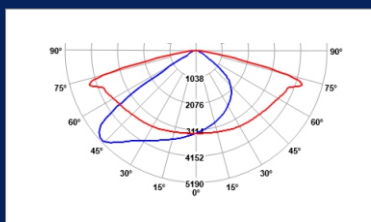
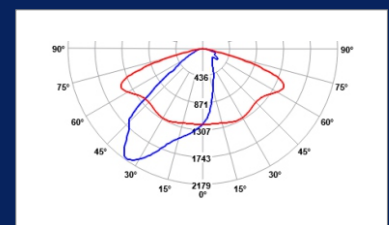
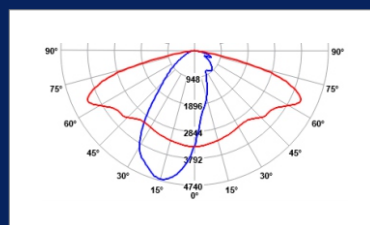
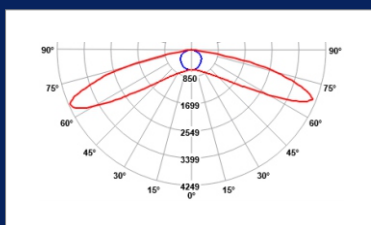
From scratch to final assembly in less time and fewer actions. The angle indexer ensures a safe and simplified installation regardless of the situation (horizontal or vertical), even in the bleakest conditions.

Construction

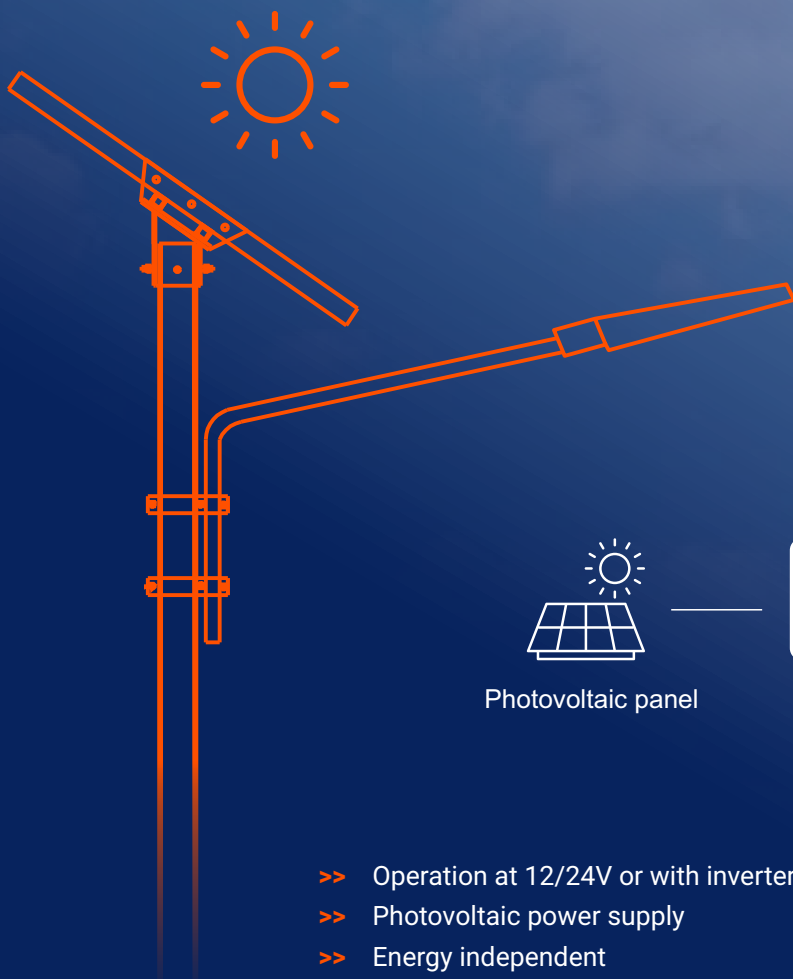
- >> Mounting device on console with a diameter of 32÷48 mm;
- >> Optional construction for a console with a diameter of 48÷60.




Light distributions



Energy from renewable sources



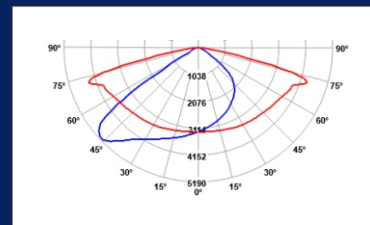
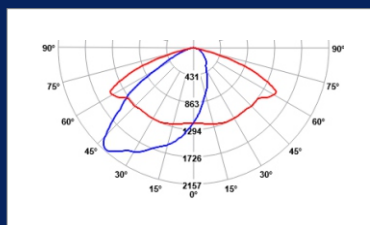
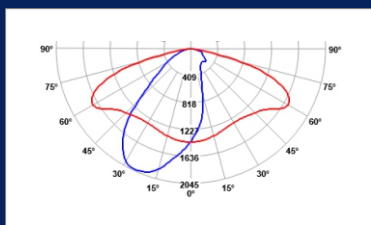
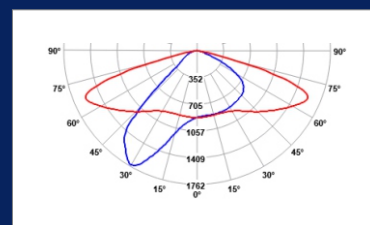
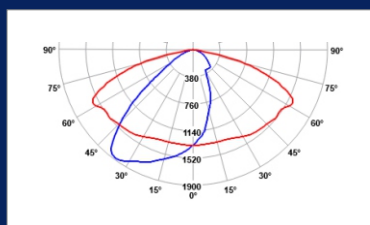
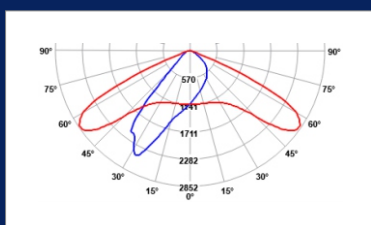

Photovoltaic panel


Controller


Mesina


Accumulator

- >> Operation at 12/24V or with inverter
- >> Photovoltaic power supply
- >> Energy independent
- >> High autonomy
- >> Recommended for isolated areas

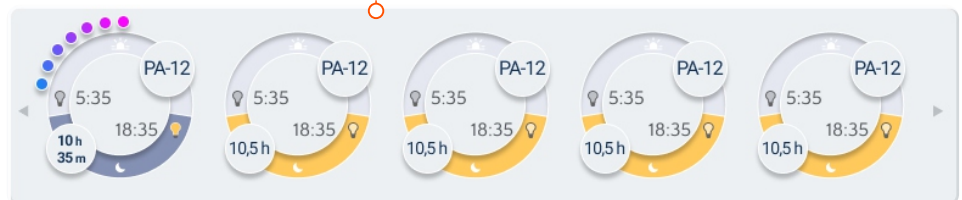
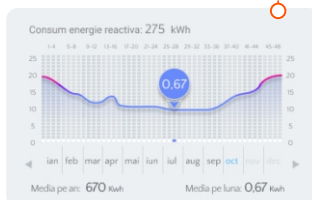
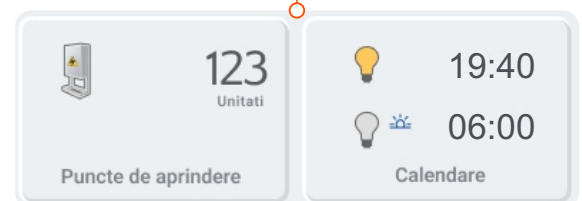


Control systems



Mesina is compatible with the NEOS telemanagement platform, offering remote control and automatic operation of lighting devices.

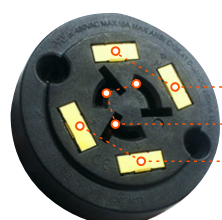
- >> start/stop;
- >> adjusting the luminous flux;
- >> measurement of electrical and lighting parameters;
- >> control of the number of operating hours;
- >> self-diagnosis alerts and breakdowns;
- >> color temperature change;
- >> interaction with multifunctional sensors;
- >> operation according to customized scenarios;
- >> access to the lighting network map and specific details;
- >> **ZERO running costs.**



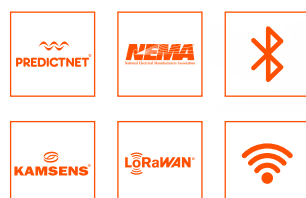


The integrated sensors on the Mesina are linked to the NEOS remote management platform to ensure complete control, monitoring and optimization for the lighting operating schedule according to the presence of car and pedestrian traffic or weather conditions automatically according to preset schedules or manually according to the need.

Light intensity and color are programmed to change automatically to enhance visibility.



Plug and play



QR CODE engraved for quick installation



Control systems




KAMSENS®

Kamsens Multifunctional Sensor

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 NEOS remote management platform.

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

Mesina – Kamsens – NEOS
Innovation for community safety.

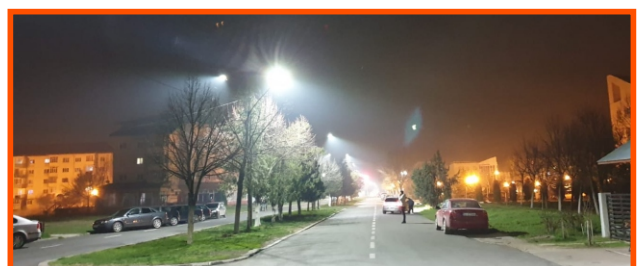
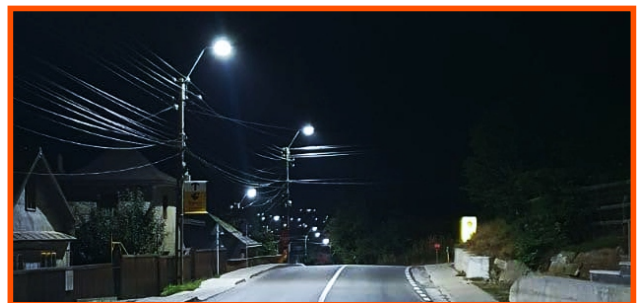
Mesina is able, through the Kamsens multifunctional sensor that transmits information to the NEOS remote management platform, to adjust the color temperature from a neutral - natural white to a yellowish white, to significantly reduce the lack of visibility in conditions of intense fog for road traffic.

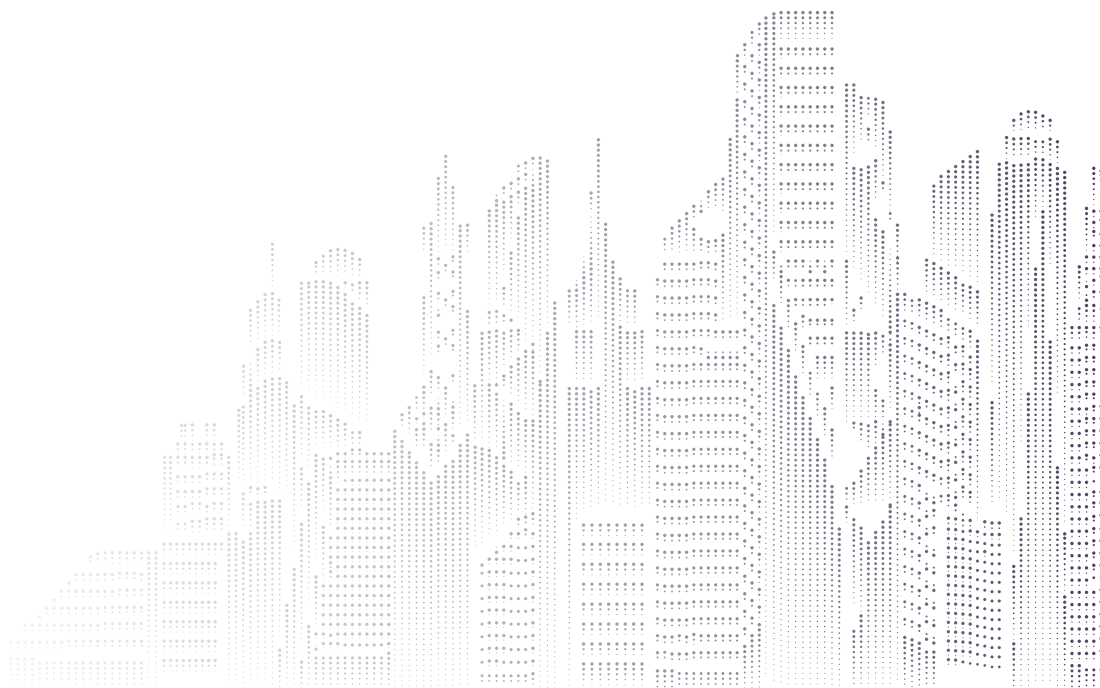
This setting can be done automatically or manually and provides an undeniable benefit to road users and thus to the whole community by supporting safety and optimal road conditions.



URBIO

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





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