

# INTELLIGENT LIGHTING MANAGEMENT



## POWERED BY DATA. ENHANCED BY AI.

Lighting AI is a smart, scalable system for **public lighting**, offering centralized and individual control, **energy monitoring**, **cost savings**, and adaptive bi-colour luminaires all compatible with existing networks for **efficient, autonomous**, and **sustainable city lighting**.

## KEY FEATURES

Visit **Urbio** for more about smart lighting ecosystem and connected technologies. Experience the platform at [lightingai.urbio.io](https://lightingai.urbio.io) to explore its interface and performance. Explore **Kamsens** to discover multi-sensor integration and advanced control capabilities.

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| <ul style="list-style-type: none"> <li>AI-driven lighting automation</li> </ul>             |  |
| <ul style="list-style-type: none"> <li>Real-time monitoring &amp; analytics</li> </ul>      |  |
| <ul style="list-style-type: none"> <li>Predictive maintenance</li> </ul>                    |  |
| <ul style="list-style-type: none"> <li>Energy optimization</li> </ul>                       |  |
| <ul style="list-style-type: none"> <li>Integration with Urbio ecosystem</li> </ul>          |  |
| <ul style="list-style-type: none"> <li>Cloud &amp; offline operation</li> </ul>             |  |
| <ul style="list-style-type: none"> <li>Intelligent sensor-based lighting control</li> </ul> |  |

## HARDWARE & CONNECTIVITY



- **Ignition Point**
- **Lighting AI Gateway** (AES-128, LoRa/PLC, GPS/RS485)
- **Lighting AI Controller** (NEMA, integrated sensors, optional Bluetooth/GSM)
- **KAMSENS 2.0 Multisensor** (motion, light, noise, weather)

## PLATFORM SPECIFICATION

Lighting AI automates lighting control through real-time monitoring, adaptive dimming, and predictive maintenance. Its smart algorithms optimize energy use, extend luminaire life and ensure efficient, data-driven city lighting.



## IMPACT & BENEFITS

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|--|---|
| <p><b>40%</b><br/>Up to 40% energy savings</p>               | <p><b>AI</b><br/>Reduced CO<sub>2</sub> emissions</p> |
| <p><b>CO<sub>2</sub></b><br/>Extended luminaire lifespan</p> | <p><br/>Transparent data through AI</p>               |