MOON

ADVANCED LEVEL LIGHTING

URBIO



LIGHTING REIMAGINED FOR MODERN CITIES

Moonlight is URBIO's versatile LED luminaire platform for Smart-City Lighting, offering three configurations Street, Suspended, and Top and full Lighting AI integration for efficient, connected, and sustainable urban illumination.

KEY BENEFITS

Applications

MOONLIGHT STREET - Highways, main boulevards, large urban roads
MOONLIGHT SUSPENDED - Residential streets, neighborhood pathways
MOONLIGHT TOP - Parks, gardens, green corridors, recreational areas

PERFORMANCE	SUSTAINABILITY	EASE & INTEGRATION
• High-efficiency LED modules with optional 24 / 48 pcs • Power range 7–90W • Lifetime 100,000 h • LED CCT: 1800K–5700K ±10% • CRI: >70 / >80 options • Surge protection 10kV / 20kV • Compatible with 0–10V / DALI2–D4I dimming	• Reduced CO_2 emissions through optimized consumption • 100% recyclable aluminum housing • Long-life LEDs reduce maintenance waste • Optional ambient RGB, Tunable White, RGBW for environmentally adaptive lighting	• Tool-less access for easy maintenance • Available in three design styles from a single luminaire platform • Compatible with Lighting AI remote management • NEMA / Zhaga / NEMA+Zhaga connectivity options • Supports multifunctional sensors (MNPL, Kamsens) with real-time alerts

SMART CONTROL & CONNECTIVITY



Centralized Management via Lighting AI

- Real-time status, voltage, temperature & energy readings
- Dynamic dimming scenarios & on/off scheduling
- Live map of all lighting points
- Fault alerts & self-diagnostics
- Power consumption analytics & exportable reports
- Full integration with sensors for adaptive lighting
- Color temperature shifting through Kamsens
- Operation via custom lighting profiles

Communication Technologies

- NEMA 7-pin (opt.)
- Zhaga Book 18 (opt.)
- LoRa / PLC
- DALI / D4I smart control

Sensor Integration

- MNPL Sensor - motion & presence-based adaptation
- Kamsens Multisensor - noise, fog, rain, snow & color-temperature control

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TECHNICAL SPECIFICATIONS



GENERAL	Power Range: 90–7W Lifetime: 100,000 h Warranty: 5 years

OPTICAL	
LED Quantity	**24 / 48** pcs
LED Type	LED Module
CCT	1800K; 2200K; 2700K; 3000K; 4000K; 5700K ±10%
CRI	>**70** / >**80**
Lens	PMMA / PC depending on version

ELECTRICAL	
Voltage:	**220 - 240** Vac (50/60 Hz)
Power Factor:	≥ 0.9
Electrical Class:	Class **I** / Class **II**
Operating Temperature:	**-40**°C to +**55**°C
Surge Protection:	**10** kV / **20** kV
CLO Function:	Yes

CONNECTIVITY	
Dimming:	0–10V / DALI2–D4I
Smart sockets:	NEMA / Zhaga
Special features:	RGB ambient ring, Tunable White, RGBW

RENEWABLE ENERGY COMPATIBILITY
• Fully compatible with solar systems
• Operates via 24V / 12V DC or inverter
• Suitable for off-grid and remote installations

MECHANICAL
Housing: Aluminum die-cast
Diffuser: Glass / Polycarbonate
IP Rating: IP66
IK Rating: IK09
Maintenance: Tool-less access
Dimensions: **Street**: 503×140 mm **Suspended**: 504×645 / 545 / 493 mm **Top**: 503×705 / 605 mm
Weight: max 10 kg
Installation Height: 4 m – 12 m
Compatible with 32 / 48 / 60 / 76 mm pole adapters



CERTIFICATIONS & COMPLIANCE

Moonlight meets all major European safety, environmental and smart-lighting standards.

CE, ENEC / ENEC+, RoHS, REACH, WEEE
Standards: **EN 1-60598, EN 3-2-60598,**
EN 62262 (IK), LM80, EMC EN 55015 / EN 61000