

LIGHTING POINT SOLUTIONS

RETRO NODE COMMUNICATING NODES

Retro Node enables remote control and monitoring of all lighting points. It is a communicating node designed for the retrofit of luminaires equipped with a Dali driver and without a Zhaga socket.

Two versions are available: a DC version powered by the Dali bus for luminaires equipped with a D4i driver, and an AC version powered by 230 V for standard Dali drivers. Retro Node is compatible with public lighting networks incorporating BH Nodes, provides remote control and monitoring via the Luce V4 platform.



> RETRO NODE AC



> RETRO NODE DC

BENEFITS



MORE SIMPLICITY

- Mesh connectivity: the best network on the market
- Dali compatible
- Automatic network setup
- Installation directly inside the luminaire: the antenna communicates through the housing of most luminaires



LOCAL CONFIGURATION AND REMOTE CONTROL

- Luce App smartphone application: geolocates and registers Retro Nodes on Luce during network deployment
- Luce platform: precise supervision of lighting points: communication status, lighting status, scheduling and scenario settings, forced command transmission



MORE SAVINGS

- Lighting level management
- Reduced maintenance thanks to data feedback
- Up to 80% energy savings through precise management of time slots and lighting levels



MORE SECURITY

- Guaranteed switch-on and switch-off thanks to the embedded patented socio-astronomical calculation
- Emergency re-lighting in case of incident via Luce

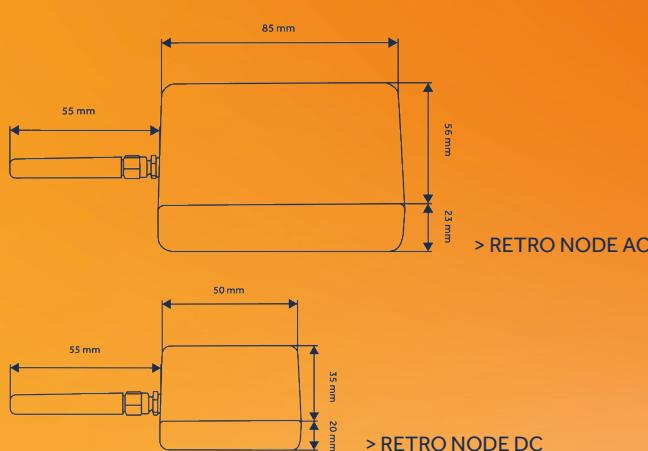
FEATURES

SPECIFICATIONS

- Available in two versions: 230 V AC or 15 V DC powered by the DALI bus.
- Rectangular enclosure equipped with an antenna
- Range: 100 m in open field
- DALI commands
- Luce compatible
- Remote updates

CONTROL, MANAGE AND SCHEDULE

- 3 predefined astronomical modes: Standard Astro, Socio-Astro Eco, and Socio-Astro Comfort
- Forced switch-on and switch-off commands
- Dimming scenario management with 16 levels per scenario and fade configuration
- Scenario scheduling on a rolling annual calendar with priority management
- Twilight offset



TECHNICAL DATA

Dimensions:

Retro Node AC: L = 85 mm, W = 56 mm, H = 23 mm

Retro Node DC: L = 50 mm, W = 35 mm, H = 20 mm

Antenna length: 55 mm

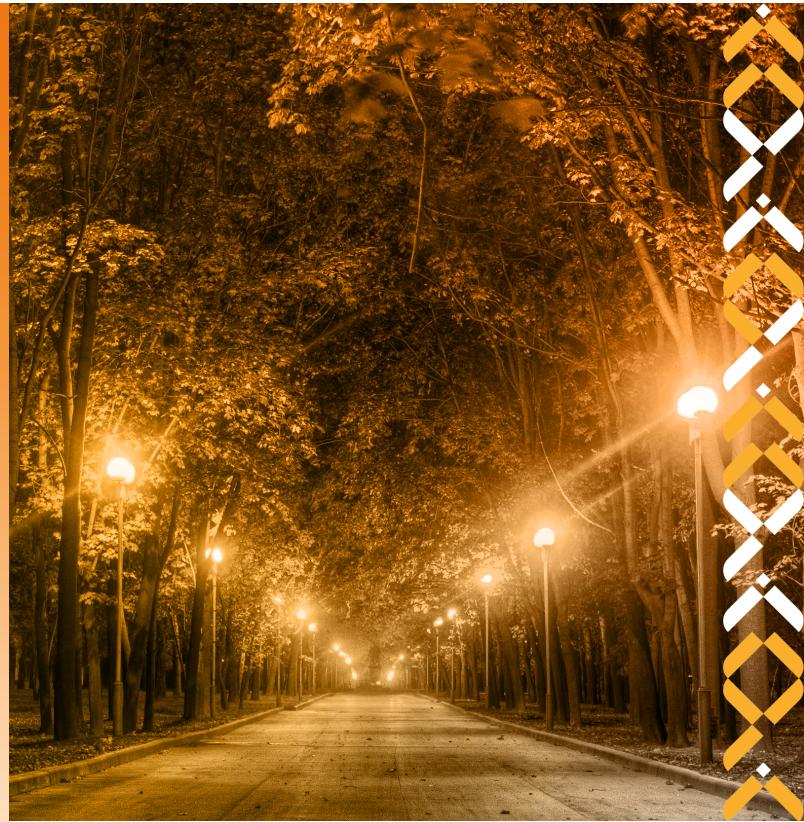
Ingress protection rating: IP20, IK08

Power supply: 0.45 W

Radio: Wirepas Mesh, 100 m line of sight

Software update: FUOTA

Operating temperature range: -20 °C to +60 °C



COMMERCIAL REFERENCES

> **L-RETRONODE-AC** : Housing for integration into a luminaire with 230 VAC power supply. Compact enclosure designed to be installed in the luminaire head. Powered at 230 V. Compatible only with standard DALI drivers. No drilling required on the luminaire

> **L-RETRONODE-DC** : Housing for integration into a luminaire powered via the 16 VDC DALI bus. Compact enclosure installed inside the luminaire, powered directly by the D4i driver. No drilling required on the luminaire