

LIGHTING POINT SOLUTIONS

RETRONODE COMMUNICATING NODES

Retronode enables remote control and monitoring of all lighting points. Retronode is a communicating node designed for retrofitting luminaires without a Zhaga socket. Two versions are available:

- a DC version powered at 16 VDC
- an AC version powered at 230 volts

Retronode is compatible with public lighting networks integrating BH Nodes, with remote control and supervision via the Luce V4 platform.



> RETRIONODE AC

> RETRIONODE DC

BENEFITS



MORE SIMPLICITY

- ◆ Mesh connectivity: the best network on the market
- ◆ 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 Retronodes 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

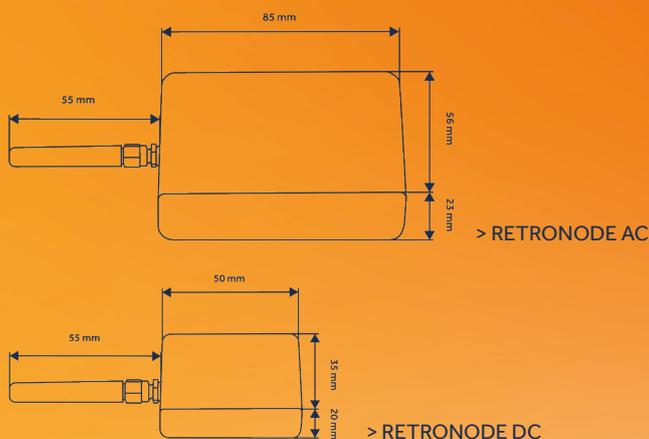
FEATURES

SPECIFICATIONS

- ◆ Available in two versions: 230 V AC or 15 V DC
- ◆ Rectangular enclosure equipped with an antenna
- ◆ Range: 100 m in open field
- ◆ 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:

Retronode AC: L = 85 mm, W = 56 mm, H = 23 mm

Retronode DC: L = 50 mm, W = 35 mm, H = 20 mm

Antenna length: 55 mm

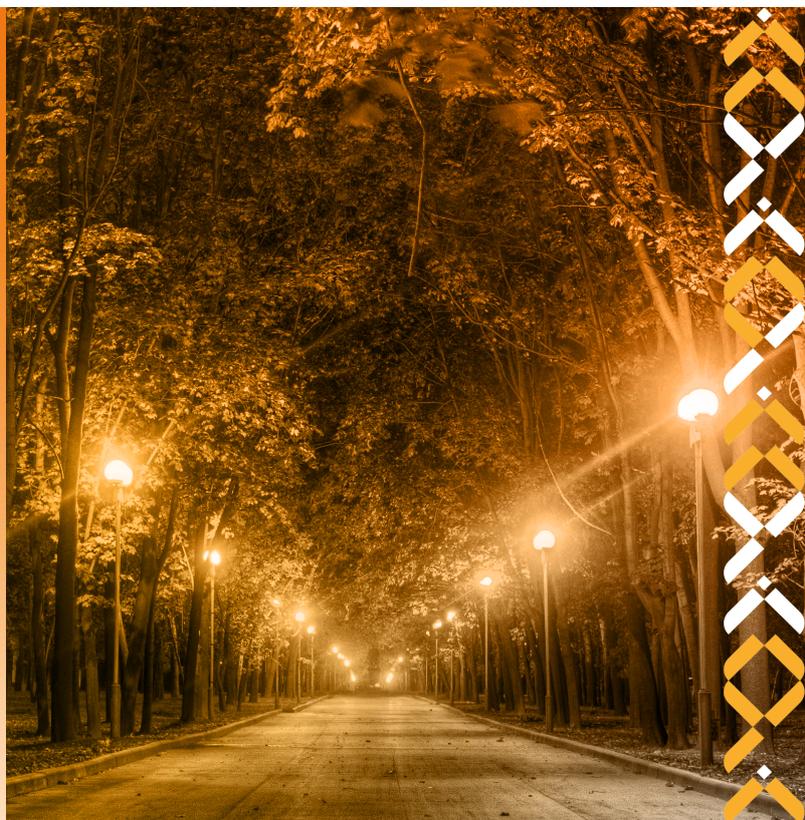
Ingress protection rating: IP20, IK08

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 to be integrated into the luminaire head, powered by 230 V.

> **L-RETRONODE-DC** : Housing to be integrated into the luminaire head, powered by 16 VDC.