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.

> RETRONODE AC

> RETRONODE 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

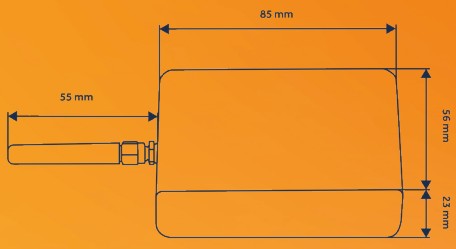
FEATURES

SPECIFICATIONS

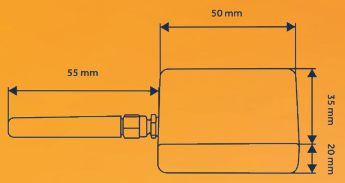
- Available in two versions: 230 V AC or 15 V DC
- Rectangular enclosure equipped with an antenna
- Range: 200 m in open field
- Luce compatible
- Remote updates

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



> RETRONODE AC



> RETRONODE DC

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, 200 m in open field
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.