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SOLUTIONS FOR LIGHTING POINTS

BH NODE

COMMUNICATING NODES

BH Node is a communicating node designed for the management of public lighting networks. Installed on each luminaire equipped with a Zhaga connector, it enables remote control and supervision of all lighting points.

> BH NODE GATEWAY

> BH NODE 40

> BH NODE 80

BENEFITS

GREATER SIMPLICITY

- Mesh connectivity: the best network on the market
- Gateway-free solution
- LTE-M cellular node
- DALI / ZD4i compatible
- Automatic network commissioning

GREATER SECURITY

- Luce On Demand smartphone app: in real time and by tracking the user's position, the app switches public lighting on and off
- Guaranteed switching on and off thanks to the embedded patented socio-astronomical calculation
- Emergency re-lighting via Luce

GREATER SAVINGS

- Management of lighting levels and Christmas illuminations
- Reduced maintenance through data feedback and reporting
- Up to 80% savings thanks to precise management of time schedules and lighting levels
- Even greater savings with lighting on demand

LOCAL CONFIGURATION AND REMOTE CONTROL

- Luce App smartphone application: geolocates and registers BH Nodes on Luce during the deployment of a lighting network
- Luce: for precise supervision of lighting points: communication status, lighting status, schedule and scenario configuration, and forced command transmission

FEATURES

SPECIFICATIONS

- Available in two versions, 40 or 80 mm, standard Zhaga housing
- Integrated GPS in the 80 mm version
- The 40 mm BH Node is particularly suited to decorative ("four-sided") lanterns
- Network synchronization in a maximum of 500 ms
- The mesh network operates on 40 adaptive radio channels and is able to blacklist congested channels
- Range is up to 200 m in open field
- The cellular mesh node can support up to 100 mesh nodes depending on the geographical layout of the installation
- DALI commands
- Compatible with Luce and Luce on Demand
- Remote updates

CONTROL, MANAGE, AND SCHEDULE

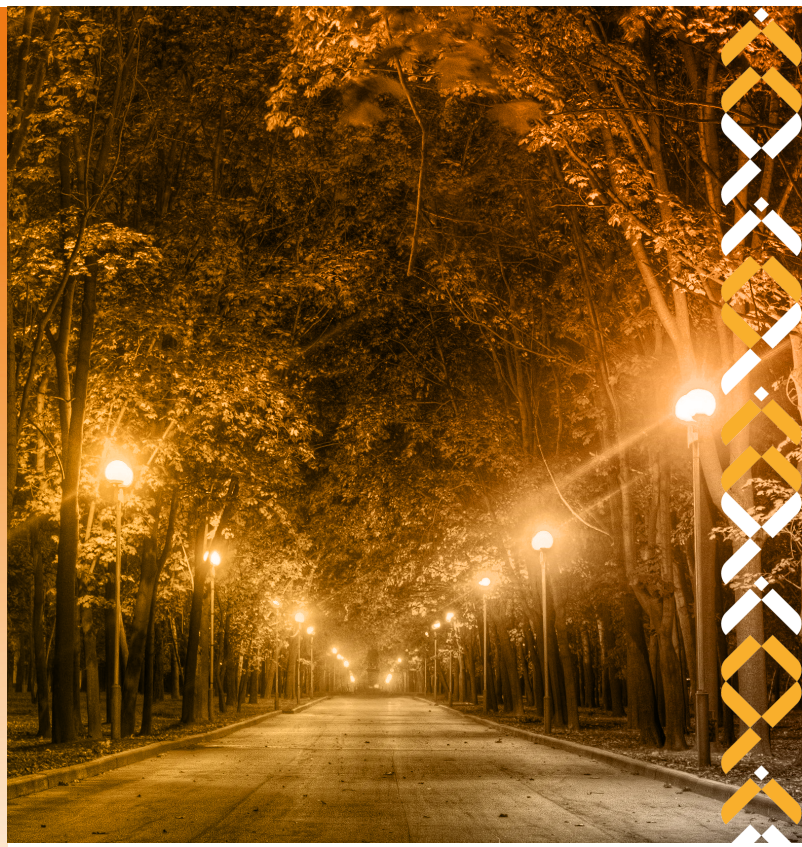
- Three predefined astronomical modes: Standard Astro, Socio-Astro Eco, and Socio-Astro Comfort
- Control of lighting patterns using the Auxiliary Relay accessory
- Up to six drivers with a single node
- Forced on/off command transmission
- Management of dimming scenarios with 16 levels per scenario and fade-time configuration
- Scheduling of scenarios on a rolling annual calendar with priority management
- Twilight offset

TECHNICAL SPECIFICATIONS

Dimensions:
BH Node 40: 40 mm x 24.25 mm
BH Node 80: 80 mm x 33.43 mm
BH Node Cellular: 80 mm x 58.43 mm
Protection rating: IP66, IK09
Power supply: 0.45 W – D4i driver
User interface: RGB status LED
Radio: Wirepas mesh, 200 m in open field
Only for 80 mm: GNSS, LTE-M Cellular, printed antennas
Software update: FUOTA (Firmware Update Over The Air)
Temperature range: -25 °C to +70 °C
Additional features: Astronomical algorithm, 500 ms sync, I/O E-Lum, Luce On Demand, DiiA 209, 6 slave drivers, BH Technologies API, Luce platform

MADE IN FRANCE

TALQ



COMMERCIAL REFERENCES
> L-BHNODE-40 : Communicating node, 40 mm Zhaga standard housing, mesh radio technology
> L-BHNODE-80 : Communicating node, 80 mm Zhaga standard housing, mesh radio, integrated GPS
> L-BHNODE-GTW : Communicating node, 80 mm Zhaga standard housing, mesh radio, integrated GPS and gateway