+33 (0)4 56 00 50 00 ◆ INFO@BH-TECHNOLOGIES.COM ◆ BH-TECHNOLOGIES.COM

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

SIMPLER MANAGEMENT

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

INCREASED SECURITY

- Luce On Demand smartphone app: in real time and based on the user's location, the app switches the public lighting on or off as they pass by
- Reliable switching on/off through patented built-in socio-astronomical calculation
- Emergency re-lighting in case of incident via Luce

MORE SAVINGS

- Lighting level and holiday lighting management
- Reduced maintenance thanks to data feedback
- Up to 80% savings through accurate scheduling and light level control
- Even more savings with on-demand lighting

MORE INFORMATIONS

SCANNEZ ICI

FEATURES

SPECIFICATIONS

- Available in two versions: 40 mm or 80 mm, Zhaga standard housing
- Integrated GPS in the 80 mm version
- The 40 mm BH Node is particularly suitable for tra ditional-style lanterns (4 sides)
- Network synchronization in under 500 ms
- Mesh network operates on 40 adaptive radio channels with congested channel blacklisting
- Range up to 200 m in open field
- The cellular mesh node can support up to 250 mesh nodes, depending on the installation's geography
- DALI controls
- Compatible with Luce and Luce On Demand
- Remote updates available

CONTROL, MANAGE, AND SCHEDULE

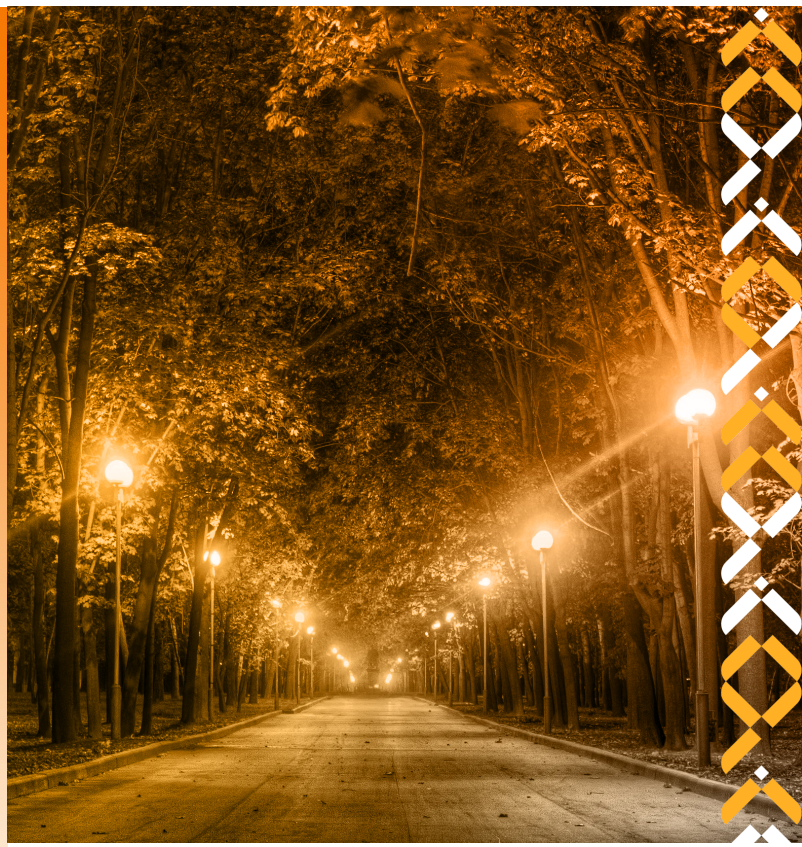
- 3 predefined astronomical modes: Standard Astro, Socio-Astro Eco, and Socio-Astro Comfort
- Illumination pattern control with Magic Pin 4
- Control up to 6 drivers with a single node
- Send forced on/off commands
- Dimming scenario management with 16 levels per scenario and configurable fading
- Annual rolling calendar scheduling with priority management
- Twilight offset function

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: 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

FABRIQUÉ EN FRANCE

TALQ



RÉFÉRENCES COMMERCIALES
> **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