

## CABINET-BASED SOLUTION

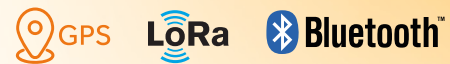
# RADIOLITE 4XX NEO

## RADIO-SYNCHRONIZED, SCALABLE SOCIO-ASTRONOMICAL CLOCK

Radiolite 4XX Neo is a radio-synchronized, socio-astronomical clock.

It is a programmable, energy-efficient solution designed to switch public lighting on and off at the optimal moment, following seasonal variations. It ensures synchronized operation city-wide while optimizing lighting cut-off periods.

- > Radiolite 410 Neo: 1 programmable Astro output
- > Radiolite 420 Neo: 2 programmable Astro outputs
- > Radiolite 430 Neo: 3 programmable Astro outputs, available in recycled plastic
- > Radiolite 431 Neo: 3 programmable outputs (2 Astro, 1 scheduled), available in recycled plastic



## BENEFITS



### DAILY ENERGY SAVINGS

- ◆ Up to 300 hours of lighting saved per year
- ◆ Lighting only when and where needed
- ◆ Allows switching on at the threshold of visual perception without compromising public safety



### MARKET-LEADING SOCIO-ASTRONOMICAL ACCURACY

Invented by BH Technologies and specially designed for public lighting, this patented algorithm optimizes switching by combining parameters such as: location, date, time, sun position angle, and sociological data on city activity.



### SUSTAINABLE & RECYCLABLE SOLUTION

- ◆ Easily recyclable, available in recycled plastic
- ◆ Optimized lifespan
- ◆ Designed and manufactured in France
- ◆ Partnered with Ecosystème to ensure an eco-responsible end-of-life process



### EASY INSTALLATION & SCALABLE USAGE

- ◆ Quick on-site installation
- ◆ Remote programming when connected to a LoRa network with Glob antenna
- ◆ Enables full park supervision when connected to the BH Gate supervision module

## FEATURES

### WEEKLY & EXCEPTIONAL PROGRAMMING

- ◆ Cutoff scenario programming for nighttime periods
- ◆ Up to two cutoffs per night, for each day of the week
- ◆ Up to 20 exceptional programs: e.g., Christmas, National Holidays

### TWILIGHT OFFSET

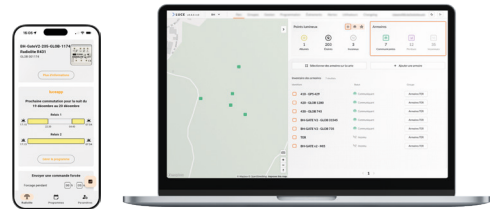
- ◆ Adjusts lighting on/off times to better match seasonal, daily, and location-specific changes
- ◆ Offset can be set between -99 and +99 minutes

### 3 PREDEFINED MODES

- ◆ Standard Astro, Socio-Astro Eco, Socio-Astro Comfort

### REMOTE PROGRAMMING VIA LUCE APP & LUCE PLATFORM

- ◆ Luce App communicates locally: reading, programming, geolocation, and synchronization of programs with Luce
- ◆ Enables maintenance and operational tasks
- ◆ Luce is an intuitive business platform allowing full remote management of the lighting park



## TECHNICAL SPECIFICATIONS

- T° de fonctionnement :** - 20 °C - + 60 °C
- Operating temperature:** -20 °C to +60 °C
- Storage temperature:** -20 °C to +40 °C
- Operating voltage:** 230V AC ± 15%
- Surge withstand voltage:** 4 kV
- Voltage between contacts:** 230V AC
- Connection section:** rigid cable, max 5 mm<sup>2</sup>, min 1 mm<sup>2</sup>
- Lifespan:**  
300,000 switchings (AC1, 3A)  
250,000 switchings (AC15, 0.8A, cos φ 0.45)
- Max altitude:** 2,000 m
- Power consumption:** 4 VA (230V AC)
- Applicable standard:** IEC 60730-1
- Case protection rating:** IP20
- Max humidity:** 90%
- Overvoltage category:** III
- SELV:** Reinforced insulation
- Dimensions (W x H x D):** 53.5 x 86 x 54 mm



### COMMERCIAL REFERENCES

- > **L-RAD410-NEO:** Scalable astronomical clock, 1 programmable output, configuration via BH Box or Luce App, no antenna
- > **L-RAD420-NEO:** Scalable astronomical clock, 2 programmable outputs, configuration via BH Box or Luce App, no antenna
- > **L-RAD430-NEO-PR:** Scalable astronomical clock, 3 programmable outputs, configuration via BH Box or Luce App, no antenna
- > **L-RAD431-NEO-PR:** Scalable astronomical clock, 3 programmable outputs (2 Astro + 1 scheduled), configuration via BH Box or Luce App, no antenna