

CONCENTRATOR



RF and telecommunication specifications:

- With nodes:**
- Standard: IEE 802.15.4.
 - Frequency: 902-928 MHz.
 - Range 1 km + line of sight.
- With center of control:**
- Modem 3G / 4G.
 - Protocol TCP / IP.

Functional specifications:

- Up to 1000 nodes per concentrator.
- Secure AES encryption with nodes.
- Communication with TCP/IP standard with SSL Security control Center.
- Storage memory of logs and events for 15 days.
- It allows the updating of firmware and parameters of the luminaries in a remote way.
- Battery for autonomous operation up to 12 hours operation in case of power outage.
- Watchdog for modem reset.
- 3G/4G, fiber or RJ45 Internet communication.
- OTA automatic updates.
- GPS.

Electrical specifications:

- Power: 100-240 Vac 50/60 Hz.
- Protection against atmospheric discharges.

Physical specifications:

- Cabinet: PVC with anti-UV treatment.
- Anchorage system to post.
- Weight: 7Kg.

Environmental specifications:

- Operating temperature: -5C to + 70C.
- IP 65

DESCRIPTION:

The luminaire segment Concentrator manages the luminaires of a sector of the intelligent network of public lighting.

It commands nodes in coverage area allowing remote control.

OPERATION:

It commands the control nodes of luminaires installed in coverage area allowing its remote management.

It gathers data on the state of operation of the luminaires in its sector and stores them and then transmit them wirelessly to the control center where they will be analyzed by the software of the central system, as well as to transmit the commands from the Control Center towards the luminaires.

DIMENSIONS:

