NODE

RF specifications:

- Standard: IEEE 802.15.4
- Frequency: 902-928 MHz ISM.
- Range 1 km + line of sight.
- Approval ENACOM Argentina.

Electrical specifications:

- Operating voltage: 100-270 Vac 50/60 Hz.
- Protection for neutral loss: up to 400 VAC with 270 Vac disconnection.
- Power 1000W.
- Consumption Rest: < 2w.
- Zero-crossing relay switching.
- Argentina Safety Risk Certification.

Functional specifications:

- Operation modes: photocell, astronomical calendar or manual.
- ON/OFF via 10 Amp relay.
- Dimerization 0-10v/1-10v.
- Compatible with LED, EHID, plasma and induction.
- Digital input for dry contact sensors (movement, shooting, environmental, etc.)
- Class I Energy measurement (1% precision).
- Safe Encryption using AES 128.
- OTA Automatic Updates.
- GPS.

Environmental specifications:

- Operating temperature: -5C to + 70C.
- IP 66 & anti-UV protection.

DESCRIPTION:

The luminaire's Remote management node provides monitoring and control of the luminaires, collects data on the operating status of lamps, alarms, energy use, voltage, current, power factor and location for later transmit them wirelessly to the control center and be analyzed by the central system software.

OPERATION:

The node controls the lighting ON/OFF of the luminaire automatically on the basis of configurable astronomical clock and light sensor.

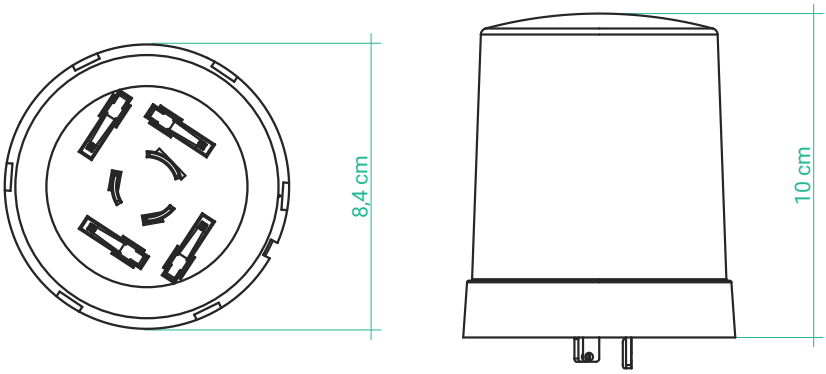
In addition, it allows to manually control the luminaries individually or in groups avoiding commands of ON/OFF and dimerization by 0-10v/1-10v.

The operating parameters of each luminaire controller node can be independently configured through the central system.

ALARMS DETECTION:

- Supply voltage too high/low.
- Current too high/low.
- Lamp on without consumption.
- Consumption detected with lamp off.
- Power Factor too low.
- Temperature too high.
- Imminent maintenance.
- Operating hours above the defined threshold.

DIMENSIONS:



WIRING DIAGRAM: