



Smart Street Lighting

Products & Solutions - 2024

A full range of products and complete solution for Cities



Smart Lighting Controllers

MADE IN
FRANCE



WixLi NEMA



- NEMA C136.41 5 or 7-pin socket
- DALI & 1-10V interface
- Internal relay
- Dual mode with Bluetooth Embedded (option with LoRa and LTE/NB-IoT)
- Pole Tilt and ambient light embedded Sensor (option)
- Dual mode with LTE-CATM1 with mesh capabilities (option)

Can be retrofitted on mast, pole, arm via the NEMA accessory kit

WixLi ZHAGA



- ZHAGA book 18 compliant
- Dual mode with Bluetooth Embedded (option with LoRa and LTE/NB-IoT)
- Pole Tilt and ambient light embedded Sensor (option)
- Compatible with D4i drivers (DALI 2)
- Certified with Philips SR Driver
- Dual mode with LTE-CATM1 with mesh capabilities (option)

WixLi Classic



- Pole mounted installation
- Dual mode with Bluetooth Embedded (option with LoRa and LTE/NB-IoT)
- Easily customized with IP66 case for Cabinet Controller or group on/off use

Common features (NEMA, Zhaga, Classic):

- GPS localization and synchronization
- Dry contact input
- Management up to 5 DALI drivers with independent program
- Electrical parameters measurements (kWh, burning hours, P, U, I, power factor)
- Diagnosis
- OTA firmware update

Smart Lighting Gateway and cabinet controller

WixLi Gateway GEN2



- AC power supply
- 4G/ Ethernet communication
- ZigBee mesh gateway capabilities (luminaire supervision)
- Dry contact input
- Relay output (contactor control)
- Energy counter (TIC or Mod-Bus interface)

WixLi Manager



- AC power supply
- 4G/ Ethernet communication
- Cabinet management until 4 output relay
- ZigBee mesh gateway capabilities (luminaire supervision)
- Embedded GPS
- Embedded or external antennas
- IP 66 robust box
- Energy counter (TIC or Mod-Bus interface)
- Multiple contact input
- Rail DIN mounting



Supporting standard IOT protocol



Smart City
Network



Control
Streetlights



Reduce Energy
Wastage



Minimize Operating
& Maintenance Costs



Lowering CO²
Emission for
Green Initiative

A Powerful and simple CMS for supervision



Extra-features :

- Group control management
- Automatic GPS localization
- Dynamic Lighting with pedestrian or car sensor
- Festive lighting management
- Multi driver management
- D4i sensor management



WixLi IoT platform for smart cities

- TALQ certified
- Compatible with LoRa Network server from the market
- Interface with TALQ CMS from the market

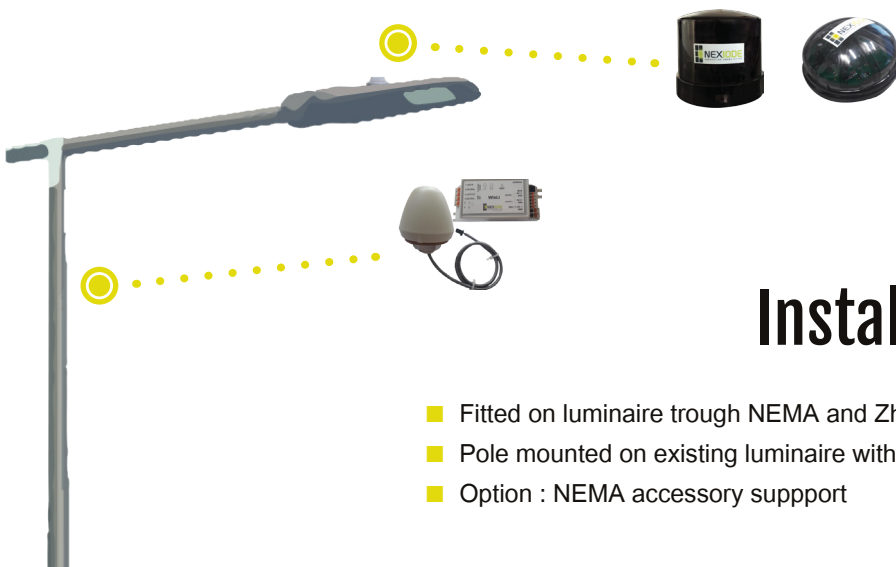
Smart Cities application :

Energy Management: Real-time monitoring and control of energy usage across the lighting network to reduce waste and lower costs.

Traffic Management: Streetlights equipped with IoT sensors can gather traffic data, helping to manage congestion and improve traffic flow.

Public Safety: Integration with emergency response systems, enabling quick adjustments to lighting in areas of interest during emergencies.

Smart Parking: Sensors can detect available parking spaces and guide drivers, reducing congestion and emissions.

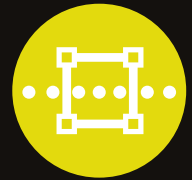


Installation

- Fitted on luminaire trough NEMA and Zhaga Socket
- Pole mounted on existing luminaire with WixLi Classic
- Option : NEMA accessory support



Agenda
programming



Management
of groups of
luminaires



Remote light
dimming



Remote
set-up



Diagnostic
consumptions
analysis



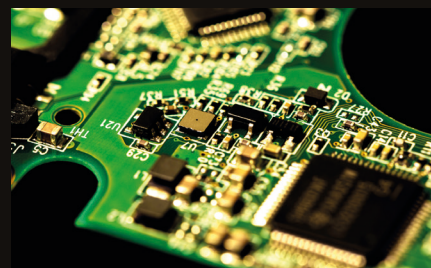
The team

NEXIODE has 20+ years in hardware and software development for home automation, lighting and industrial applications.

Hardware & embedded software skills in wireless microcontroller, wireless protocol, IoT web development, Android & IOS apps.

Services

Products customization for Smart Cities & Smart Lighting markets.
Prototypes to products industrialisation through certification process.
Training and technical support.



40,000+

Luminaires with our IoT products are deployed across France and Europe!

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