

LACROIX City Street Lighting,
solutions and equipments for outdoor lighting



STREET LIGHTING BUSINESS UNIT

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CONNECTED
TECHNOLOGIES
FOR **SMARTER
MOBILITY**



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SMART MANAGEMENT ECOSYSTEM FOR STREET LIGHTING



Guiding local authorities towards responsible and connected lighting

Tegis®



GUARANTEEING...



MANAGING...



PREPARING...



...AN ATTRACTIVE CITY

- Service quality
- Safety
- Comfort and well-being



...YOUR BUDGET

- Maintenance costs
- Energy consumption
- Investment priorities



...FOR THE FUTURE

- Scarcity of energy and increasing associated costs
- Sustainable development of towns
- Interoperability of systems and preparation for new uses

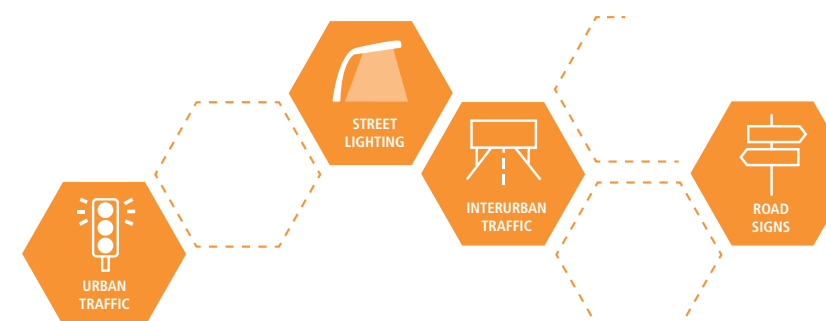
2,500
connected
**PUBLIC LIGHTING
CABINETS**

40,000 LIGHT
POINTS managed

In more than
15 COUNTRIES

15 YEARS OF EXPERIENCE
in the field

In more than
100 TOWNS



Tegis: an adaptable smart ecosystem for managing street lighting

Tegis, a modular and **future-proof system** that can be adapted to the needs of the various areas of towns and communities. With Tegis, LACROIX City is committed to guiding you towards a **smart, connected and attractive** city.



Tegis®

Tegis Lighting

Area with **connected** management of street lighting cabinets



COMPATIBLE
SensyCity®

Tegis Astro

Area with **standalone** control of street lighting cabinets



Tegis Astroconnect

Area with **connected** control of street lighting cabinets



Tegis Lighting Plus

Area with **connected** management of street lighting cabinets up to the light points



Cabinet management: a simple step towards responsible and connected lighting

Tegis®

Tegis Astro



 **Standalone control** of lighting

Energy savings

The control is the first source of energy savings thanks to its local astronomical clock.

Future-Proof

To connected control or management.

Tegis Astroconnect



 **Connected control** of lighting

Energy savings

The control is the first source of energy savings thanks to its connected astronomical clock.

Maintenance savings


The connected astronomical clock enables remote configuration.

Future-Proof


To complete connected management of the cabinet.

Tegis Lighting



 **Connected control** of lighting

 **Monitoring** of lighting cabinets

 **Feedback and analysis** of consumption

Energy and maintenance savings

The control is the first source of energy savings thanks to its connected astronomical clock that can be configured remotely.

Service quality and safety

Cabinet monitoring and its real-time alert system provide optimised service quality for public lighting equipment.

Budget management

Feedback and analysis of energy consumption to measure energy savings and prioritise investments.

Future-Proof

To entirely connected management of cabinets and light points.

Tegis Lighting Plus



  **Monitoring** of every light points

 **Dimming** of every light points

Optimised energy savings

Dimming of the light points is configured remotely for greater flexibility.

Service quality & optimised safety

Monitoring of every light points optimises the management of public lighting equipment in certain areas of the town.

The Tegis cabinet range



COMPATIBLE
SensyCity

Tegis

Tegis Astro

Tegis Astroconnect

Tegis Lighting

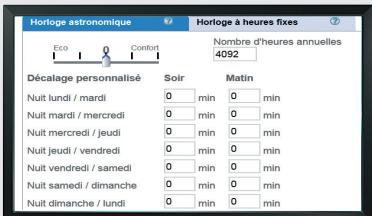
Future-proof to the
light points



Control unit



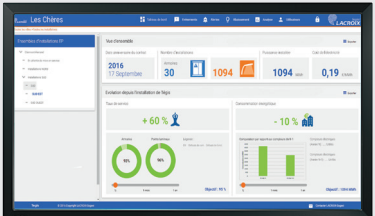
Control unit



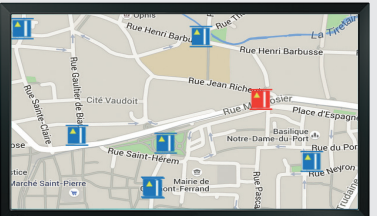
Web platform



Control unit



Web platform - Control, monitoring, metering



Standalone control
of lighting

Synchronised astronomical clock

- > 3 programmable outputs and override night cutouts.
- > In-cabinet reprogramming.
- > Cabinet override.

Future-Proof

Connected control
of lighting

Synchronised astronomical clock

- > 3 programmable outputs and override night cutouts.
- > Remote, real-time reprogramming from the web platform.
- > Cabinet override.

Future-Proof

Connected control
of lighting

Main local control

- > Synchronised astronomical clock.
- > 3 programmable outputs and override night cutouts.
- > Remote forced start-up.
- > Remote, real-time reprogramming from the web platform.

or

Backup local control

- > Astronomical clock to back up external controls in case of failure.

or

Central control

- > The solution for replacing Pulsadis to activate lighting in a community using central information.

Monitoring of the public lighting cabinet

Real-time alert system

- > Main power supply, public lighting switch, inputs, door opening, etc.
- > Monitoring inputs: 7 on the control unit optional additional inputs (see page 11).
- > Real-time display of equipment status on the web platform.

Monitoring of external lighting controls

- > Ensures safety of public lighting control.

Fault analysis

- > Troubleshooting assistance for your public lighting equipment.

Feedback and analysis
of consumption

Feedback on consumption

- > Energy consumption.
- > Alerts regarding anomalies with upper and lower limits.
- > Power factor measurement.

Consumption analysis

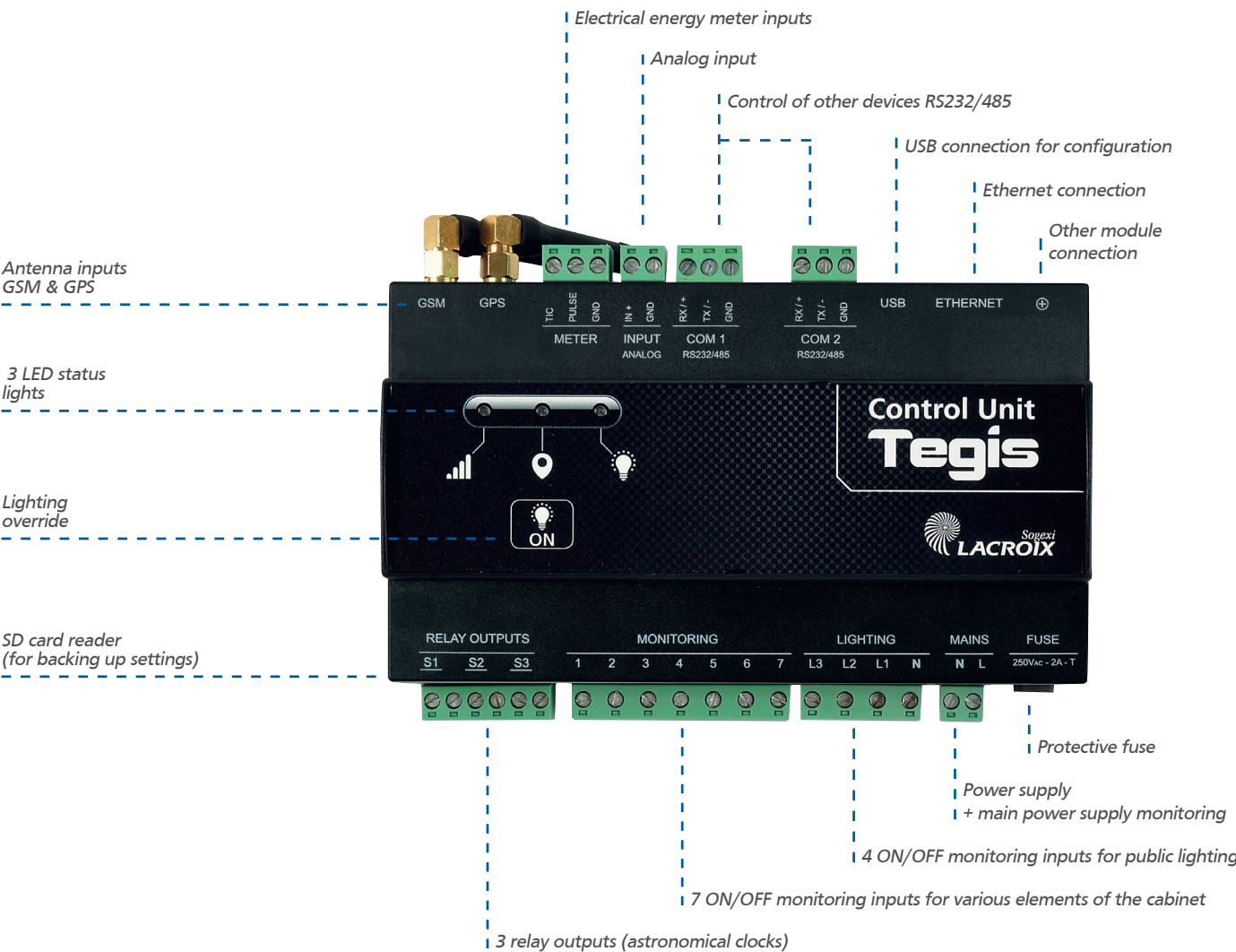
- > Measuring savings made.
- > Prioritising future investments.

Technical specifications



Tegis®

Tegis control unit

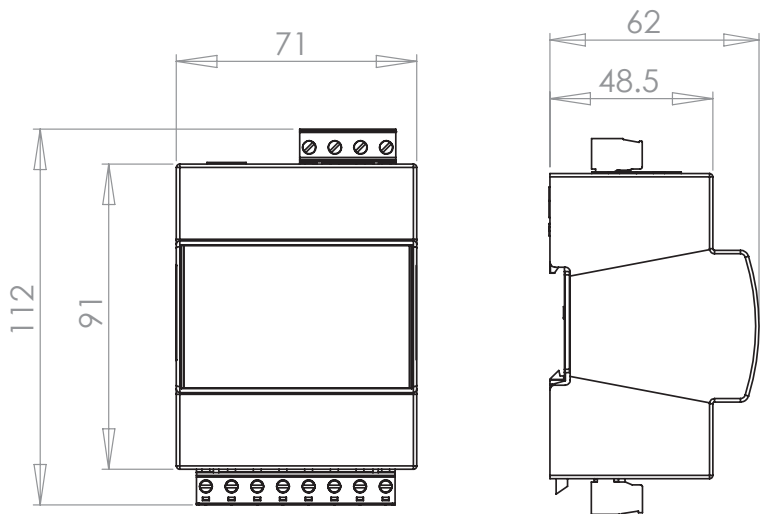
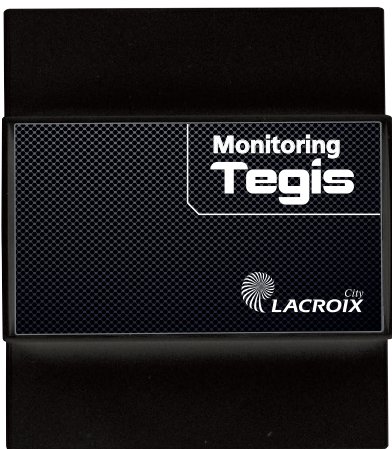


Additional Tegis monitoring input modules

This module allows to add monitoring inputs, to monitor more elements in the street lighting cabinet.

This module is connected to the input of the Tegis control unit (other module connection).

Modules contain 11 additional ON/OFF monitoring inputs.



Technical characteristics

Operating temperatures:
-25°C to +50°C

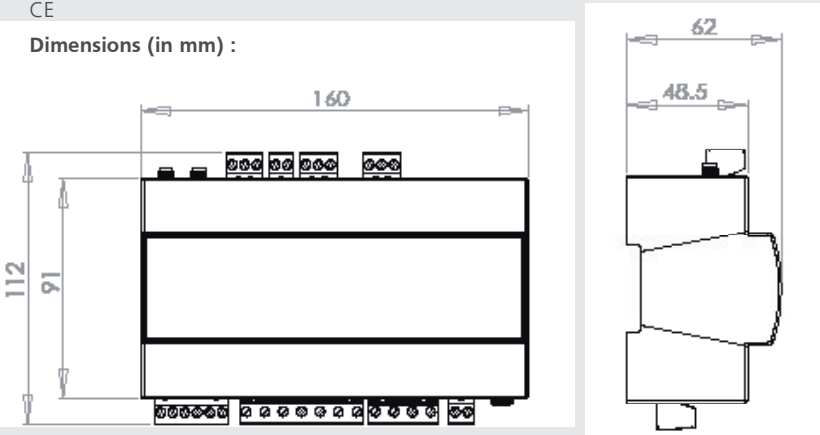
Operating voltage:
160V to 265 VAC - 50/60 Hz

Communication modem:
integrated - GSM/GPRS

Product standards:
EN 60950-1
EN 61000-2 / 61000-3
EN 55032
EN 55024
EN 301-3 / 301-7 / 301-24 / 301-489 / 301-511 / 301-908
EN 300-440

Certification:
CE

Dimensions (in mm) :



Web platform

User interface accessible online, always up-to-date, for simple and secure use.



City Connect by LACROIX City means different elements of smart cities can be connected on a single web platform, which can interface with external services (mapping, infrastructure, CAMM, other management solutions, etc.)



Environmental protection

Makes it possible to obtain energy savings certificates :

RES-EC-06
> 17 500 kWh cumac x P (saved power in kWh)
Renovation of enhancement illuminations.

RES-EC-07
> 17 500 kWh cumac x N (number of astronomical clocks)
Astronomical clock for street lighting.

