

The logo for LENA LIGHTING, featuring a dark square icon with a white circle inside, followed by the text "LENA" in a large, bold, sans-serif font and "LIGHTING" in a smaller, all-caps, sans-serif font below it.

LENA  
LIGHTING

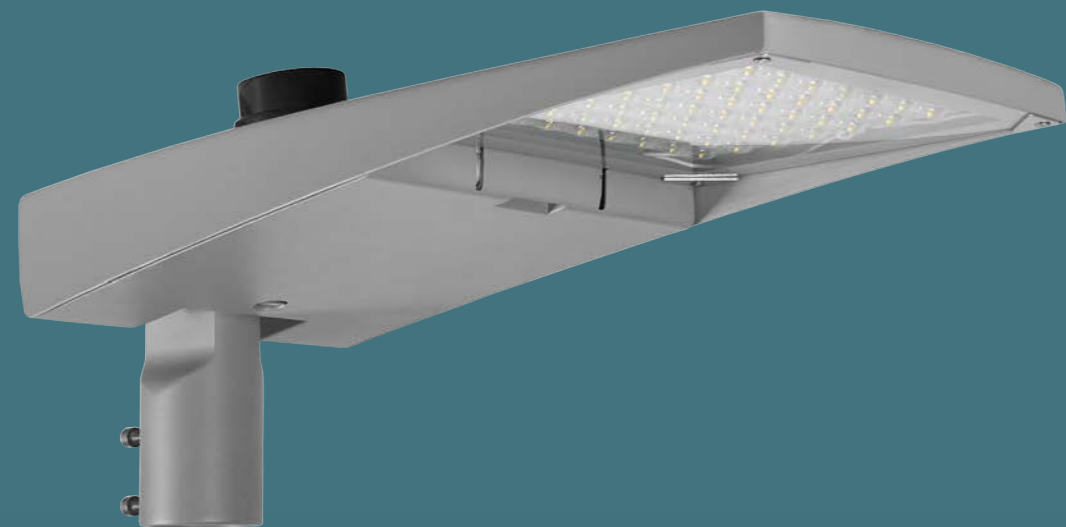
LIGHT MANAGEMENT

# Light under control

Outdoor lighting management means savings and higher safety.

The logo for CLUE CITY, with "CLUE" in a large, stylized font and "CITY" in a smaller font to its right. Below this, the text "provided by" is followed by the "elt" logo, which consists of the letters "elt" in a bold, lowercase, sans-serif font with a stylized wave-like graphic above the "t".

CLUE CITY  
provided by elt



# What is street lighting management?

This is

CLUE<sup>CITY</sup>  
provided by **elt**

Discover an intuitive, reliable and secure system that provides accurate control of the street lighting infrastructure in real time.

CLUE<sup>CITY</sup> is a solution combining the remote wireless street lighting management system STELARIA consisting of control and communication devices and an internet platform, entirely developed by ELT, and Lena Lighting luminaires.

A technologically advanced system that remotely manages and controls road luminaires, thereby optimising energy consumption and monitoring the status of each luminaire. **This is CLUE<sup>CITY</sup>!**

The system's scalability and its unlimited capacity allow CLUE<sup>CITY</sup> to control lighting from small squares, through local roads, to entire agglomerations. **Comprehensive, safe and reliable.**

The wireless monitoring and control system makes the **world in a better light.**



# What do I win from choosing CLUE<sup>CITY</sup>?

CLUE<sup>CITY</sup> is a **comprehensive wireless street** lighting control system that enables:

- switching street lighting on and off
- dimming and scheduling individual street luminaires
- unlimited formation of luminaire groups
- geolocation and visualisation of street luminaires on the map
- accurate measurement of energy consumption and its immediate recording and archiving
- monitoring the operation of the light source and the driver
- alarm and event reporting – recording of alarm data from a single luminaire and displaying them on the map
- administering multiple users, their roles and the entire installation
- monitoring the remaining life of the LED light source and informing about scheduled service, which shortens response time and reduces maintenance costs.

## Guarantee of **safety and security:**

- units resistant to weather conditions
- secure database
- encrypted communication
- secure access

## Professional **service:**

- support
- project design
- installation and commissioning
- training
- after-sales support



### **SIRO-N NODE**

- NEMA standard support (ANSI C136.41)
- GPS geopositioning
- Sensor connection enabled
- Interfaces: 0-10V, 1-10V, DALI and DALI 2.0
- Energy consumption measurement
- Photocell

## Technical parameters

### **Electrical connection**

Mains grid voltage: 100 Vac - 240 Vac  
Mains grid frequency: 50/60 Hz  
Max. load: 3A  
Mains surge protection: up to 6kV

### **Power consumption**

Standby: < 0.5W  
Operating: < 2W  
Energy consumption measurement accuracy < 2%

### **Driver communication interfaces**

0-10V, 1-10V, DALI and DALI 2.0  
Load capacity: 8 DALI controllers, 8 1-10V controllers

### **Radio communication**

ISM radio frequency band

### **Protection**

Ingress protection rating: IP66

### **STANDARDS AND LEGISLATION**

#### **Electrical safety:**

- EN 62368-1:2014 + AC:2015 + A11:2017

#### **EMC:**

- EN 62311:2008
- EN 301 489-1 V2.2.0
- EN 301 489-3 V2.1.1
- EN 301 489-19 V2.1.0
- FCC 47 CFR Part 15B

#### **RF:**

- EN 300 220 -1 V3.1.1 + EN 300 220-2 V3.1.1
- EN 303 413 V1.1.1
- FCC 47 CFR part 15, subpart C 15.S247

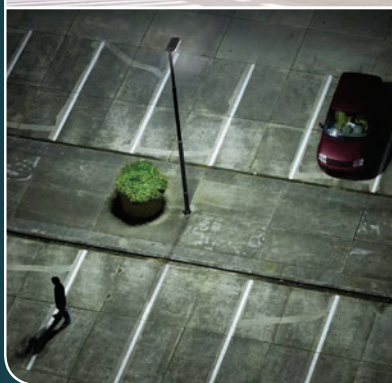
#### **RoHS:**

- RoHS 2011/65/UE + 2015/863/UE

WARNING! Due to constant product development, technical parameters may change.



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