

SL-NEMA-LR

Connected lighting controller
With NEMA connector
LoRaWAN radio protocol



Key strengths

- NEMA standardized connection
- Relay to cut powering during the day



WHAT ?

One DALI driver or one ON/OFF luminaire management

Fixed time management thanks to LoRaWAN network; integrated astronomical clock; time programs management: week/week-end, seasonal programs, exceptions.

Lighting point detection management (DALI or dry entry contact)

Electrical measures, functioning times, lamp status feedback, failure feedback, number of detections.

Information feedback from other sensors through 0/10V entry.

Local configuration through free application under Android and iOS

Remote configuration through supervision.

WHEN ?

Simple mast equipped with **NEMA connector** management

ON/OFF management of a non DALI luminaire

Ease of **maintenance with nacelle**

PRE-REQUISITES

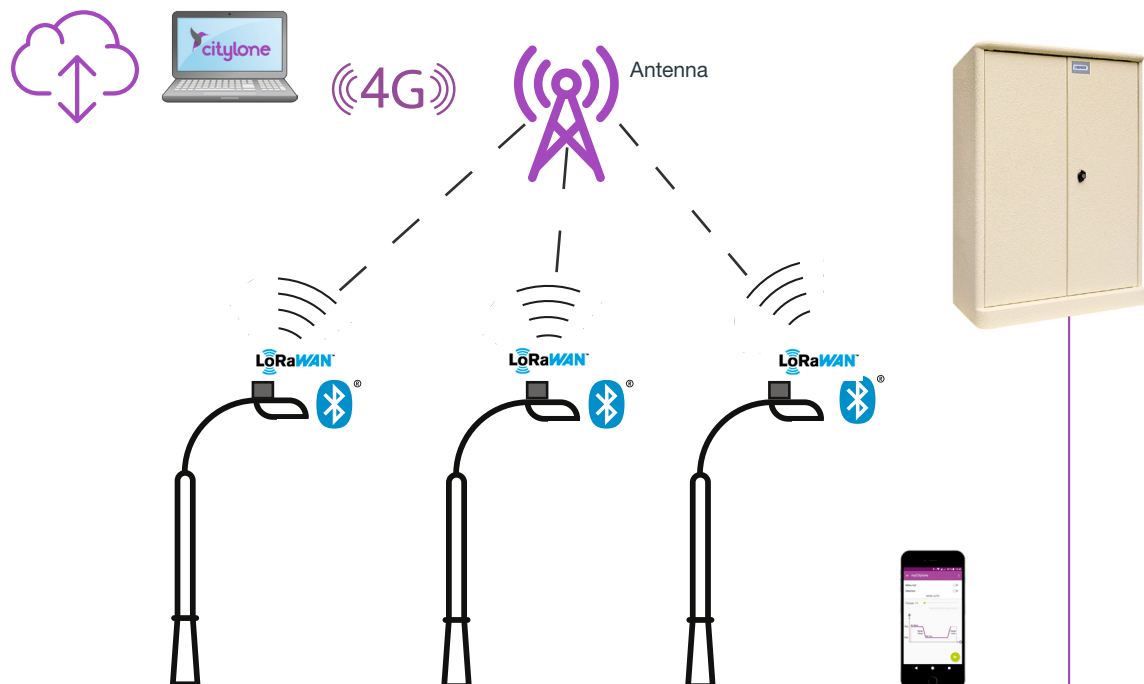
Luminaire equipped with **7 points NEMA connector**

Permanent network 24/24

LoRaWAN architecture with **V1.03 minimum network core**

HOW ?

LoRaWAN connected mode



MECHANICAL SPECIFICATIONS

Material..... cover V0 Polycarbonate

Dimensions

diameter..... 83 mm

height..... 75 mm

Weight..... 165gr

Mechanical protection ... IP66

RADIO

LoRaWAN

Range 15km free field / 2km urban

Security AES128 double encryption

Network..... private/operated

Communication two-way

Bluetooth

Range 10m

Bluetooth Low Energy V4.2

Smartphone connectivity: Android : version 5 minimum

iOs : version 10 minimum

Citylone disclaims responsibility in case of incompatible smartphone

ENVIRONMENT

Storage temperature -25°C to +75°C

Operating temperature... -25°C to +60°C

Humidity 95 %

RANGE

REFERENCES	DESCRIPTION
SL-NEMA-EDA-LR Connected mode	Lighting controller for DALI driver - LoRaWAN communication NEMA connector 1 output for DALI driver management Compatible with Citylone sensor (DALI wiring) or market sensor (dry entry contact wiring) 0/10V entry for external sensor 600W - 3A
SL-NEMA-ED-LR Connected mode	Lighting controller 1/10V driver - LoRaWAN communication NEMA connector 1 output for 1/10V driver management Compatible with Citylone sensor (DALI wiring) or market sensor (dry entry contact wiring) 0/10V entry for external sensor 600W - 3A

SL-NEMA-EDA-LR or SL-NEMA-ED-LR must imperatively be integrated in a LoRaWAN architecture with a core network version minimum 1.03 and a supervisor.

Please consult us for more information.



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ELECTRICAL CHARACTERISTICS

Power supply 88 to 265 VAC / 50Hz

Power output 3A max

Relay 3A max

Informations Lamp status (on/off, dimming, faulty)
Lighting hours, number of detections

Measurements..... Current, Voltage, Power,
Power factor, Temperature,
Instantaneous and cumulative
consumption (energy consumed)

CONNECTORS - INSTALLATION

Connectors 7 points NEMA
ANSI C136.41.2013

Installation on NEMA base located on luminaire

STANDARDS/GUARANTEES

2014/35/EU "LOW VOLTAGE" DIRECTIVE

2011/65/EU "ROHS DIRECTIVE"

2014/30/EU "ELECTROMAGNETIC COMPATIBILITY" DIRECTIVE

All our products come with a 5-year warranty for standard exchange (see T&C for details).

