

SL22-LR

Connected lighting controller
Pole installation
LoRaWAN radio protocol



SL-Connect antenna



Controller

Key strengths

- 1 single equipment for 2 DALI luminaires
- Simplified maintenance at the pole
- Easy configuration by smartphone



WHAT ?

Management of 2 DALI drivers or one 1/10V driver.

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

Lighting point detection management (DALI)

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

Luminaire switch off during the day on a permanent network to avoid drivers consumptions

Local configuration through free application under Android and iOS

Remote configuration through supervision.

WHEN ?

Simple or double pole

Adapted to **pedestrian poles**

Small height pole : easily integrable narrow controller

Installation on **renovated installations**

Alimentation till 300W maximum

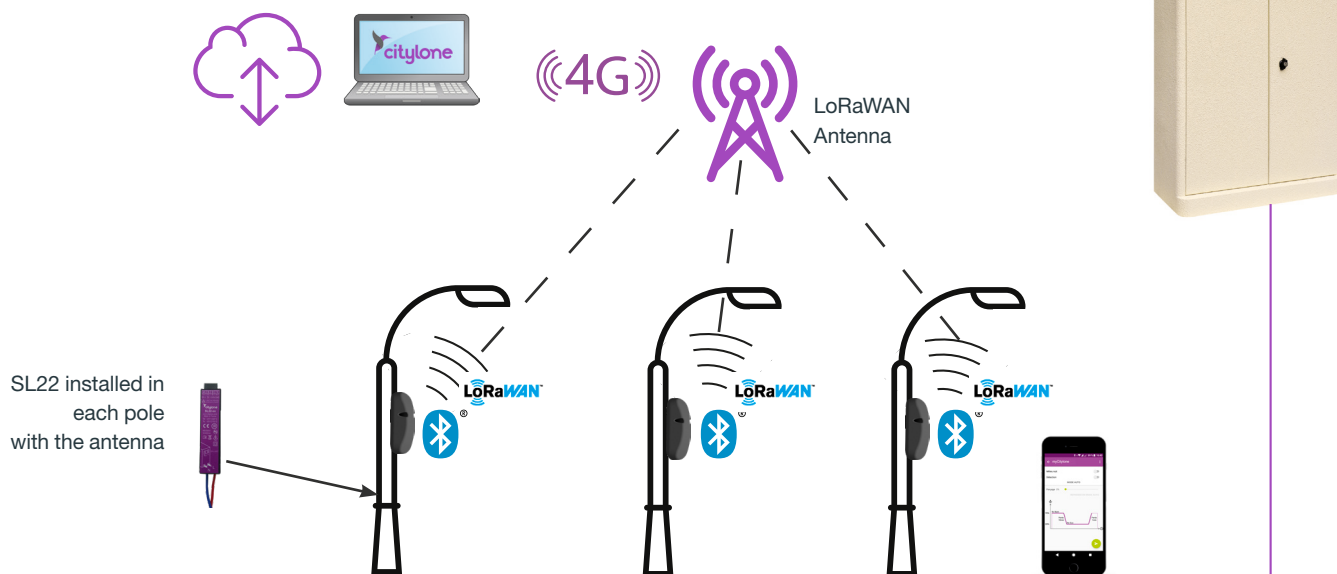
PRE-REQUISITES

Permanent network 24/24

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

HOW ?

LoRaWAN connected mode



MECHANICAL SPECIFICATIONS

ANTENNA

Material V0 Polycarbonate
 Dimensions H. 124 x l. 58 x D. 72.7 mm
 Weight 280gr with cable (6m)
 Mechanical protection ... IP44

CONTROLLER

Material Self-extinguishing thermoplastic V0
 Dimensions H.84.1 x l. 20.1x D. 36.6 mm (out of connection)
 Weight 65 gr
 Mechanical protection ... IP2X

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 %

ELECTRICAL CHARACTERISTICS

Power supply 88 to 265 VAC / 50 Hz
 Power output 2A Max
 Information Lamp + driver 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

ANTENNA

Installation by drilling on the pole - 26mm hole
 Cable (powering) 6m

CONTROLLER

2 pts push connector Cables of 0.2 to 3 mm² max single wire
 2.5mm² max multi-wire
 4 pts pluggable connector (pas de 3.5 mm)
 Cables of 1.5mm² max single wire
 2.5mm² max multi-wire

Wires for powering

Installation on DIN rail in the Class II connection box

NORMES / GARANTIES

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).

REFERENCE

REFERENCES	DESCRIPTION
SL22-LR SL22 controller + SL-Connect antenna Connected mode	Lighting controller for DALI or 1/10V drivers - LoRaWAN communication Either 1 DALI output for 1 to 2 independant luminaires Either 1 1/10V output Measure Current, Voltage, Power, Power factor, Temperature, Energy Compatible with Citylone sensor - wiring in DALI 300W - 2A

SL22-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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