

Product Description

The SLC-N200 is a smart street light controller for LED luminaires with NEMA sockets. It enables fast integration of existing fixtures into the esave system and converts conventional street lighting into a connected lighting network.

The integrated 2.4 GHz mesh network ensures reliable communication between all controllers. This enables central control, monitoring and efficient operation, providing a flexible and scalable platform for modern street lighting and smart-city applications.

Benefits

- Operational cost savings through remote monitoring and real-time maintenance.
- Display of the current luminaire status data.
- Track and evaluate your energy use.
- Remote monitoring of individual controllers without gateway (eSIM included).
- Support DALI DT6, DT7 and DT8
- luminaire ballast switchable between analog and DALI via software

Features



Remote Management

The Light Management Platform provides real-time and historical data of the entire lighting network. It allows the remote management and control of all connected lighting points using a user-friendly cloud interface.



On Site Management

Equipped with one or two standard Lumawise Endurance S socket for plug and play controller integration.



Mesh Network

The Communication is ensured via an automatic, organizing 2.4 GHz mesh network. Each streetlight communicates with all luminaires which can be reached.



AstroDim

AstroDim provides the accurate sunrise and sunset timing of the very location as a basis for the definition of the light control profiles.



Temperature Sensor

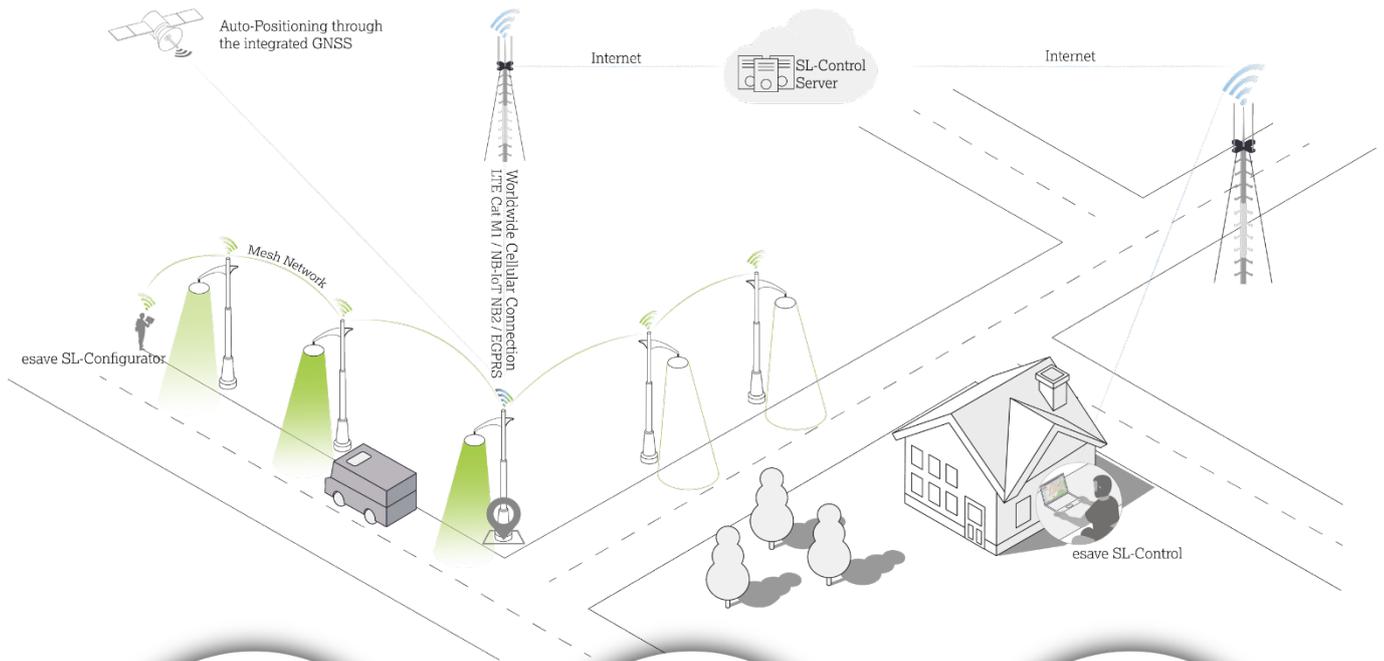
With the integrated temperature sensor, the controller can be actively monitored. By regularly checking the information about the luminaire status, proactive maintenance and failures can be avoided.



Smart Meter

SLC-N200 can capture current, voltage, power and energy and transmit this data to the web application, which displays it graphically.





SLC-N203



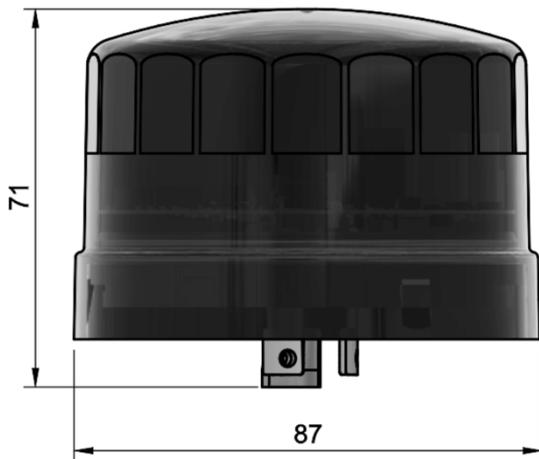
SLC-N203-C



SL-Control

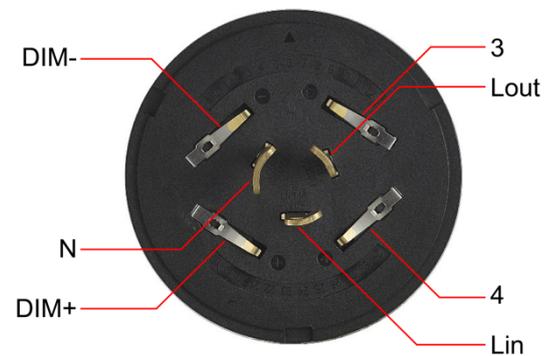
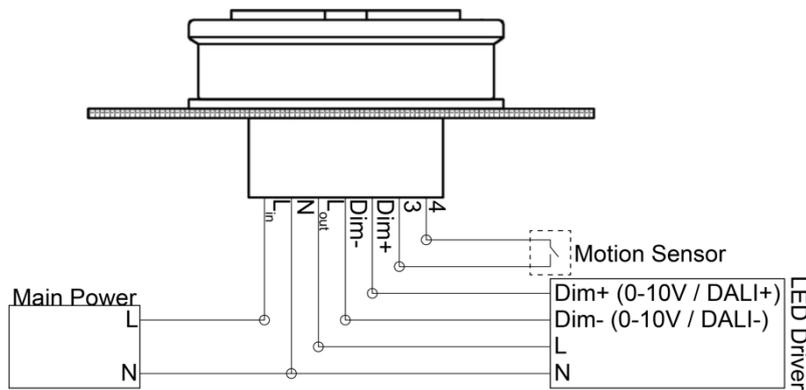
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Dimensions & Weight



Width	87 mm
Height	71 mm
Weight	153 g

Wiring Diagram



Maximum Ratings

Power supply max. voltage range	120-277 VAC (applicable 90-305V)
Power supply frequency	50/60HZ
Storage temperature range	-40 ~ +70 °C
For 0-10V output version -> Max. Analog output current	20 mA
Max. capacitive Load on Analog Interface	Unlimited
Max. DALI Sink Current in ON state	500mA

Operating Characteristics

Supply voltage range	120-277 VAC (applicable 105-305V)
Surge protection (L to N)	10kV (2 Ohm Pulse)
Power supply energy consumption	≤ 1.5W
Max. Load Current	10A
DALI Source Current	20 mA
Isolation DALI/Analog Output Interface to Line/Neutral	reinforced 5 kV AC (1 min), 7 kV DC/Pulse
Surge Pulse Protection on Analog Out/DALI to Line	800V (42 Ohm), (according to IEC 61000-4-5:2017)
Energy Meter Accuracy	Active Energy: I > 500 mA ≤ 1% Reactive Energy: I > 500 mA ≤ 2% Current: I > 500 mA ≤ 1% Voltage : ≤ 1 % Frequency : ≤ 0.1 %

Mesh Characteristics

RF frequency range	2.420 - 2.480 GHz
RF nominal output power	+6 dBm
Receiver sensitivity	-100 dBm

Housing

Dome Material	Polycarbonate
Dome Color	Transparent Smoke Gray
Body Material	PBT
Body color	Black
IP and IK Rating	IP66, IK10

All information has been carefully checked. Nevertheless, errors and technical changes are reserved.