SLC-Hub203

Product Description

The SLC-Hub203 is a smart street light controller for LED luminaires with Zhaga connector system.

It offers intelligent street light control and a "light on demand" solution in one highly integrated product. Communication is enabled via an automatic 2.4 GHz mesh network between controllers and gateways. Support for motion sensors to meet a wide variety of functional requirements.

The SLC-Hub203 is a D4i ready / Type A device and SR certified.

BENEFITS

- Operational cost savings through remote monitoring and real-time maintenance.
- Display of the current luminaire status data.
- Track and evaluate your energy use.
- Can be managed by SLC-Hub-C or SLC-Gateway.
- Support of DALI DT6 and DT7

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
The intuitive, easy-to-use configuration tool allows the on-site configuration of all parameters (i.e., dimming level etc.) for either an individual or a group of luminaires.

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.

Brightness Sensor
With the integrated brightness sensor, the light can be automatically switched on or off depending on the ambient light level.

Tilt Sensor
Detects X, Y, and Z-axis movements through integrated inclination sensing. Generates alerts when changes in inclination occur, such as in the event of a collision of a road user with a pole.

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.

Optional Motion Sensor
Through the use of motion sensors, the lighting becomes dynamic. Once the sensors register analogue movement in the illumination area, light intensity is automatically increased to a higher level.

Works with OSRAM DEXAL®

CERTIFIED

IP66

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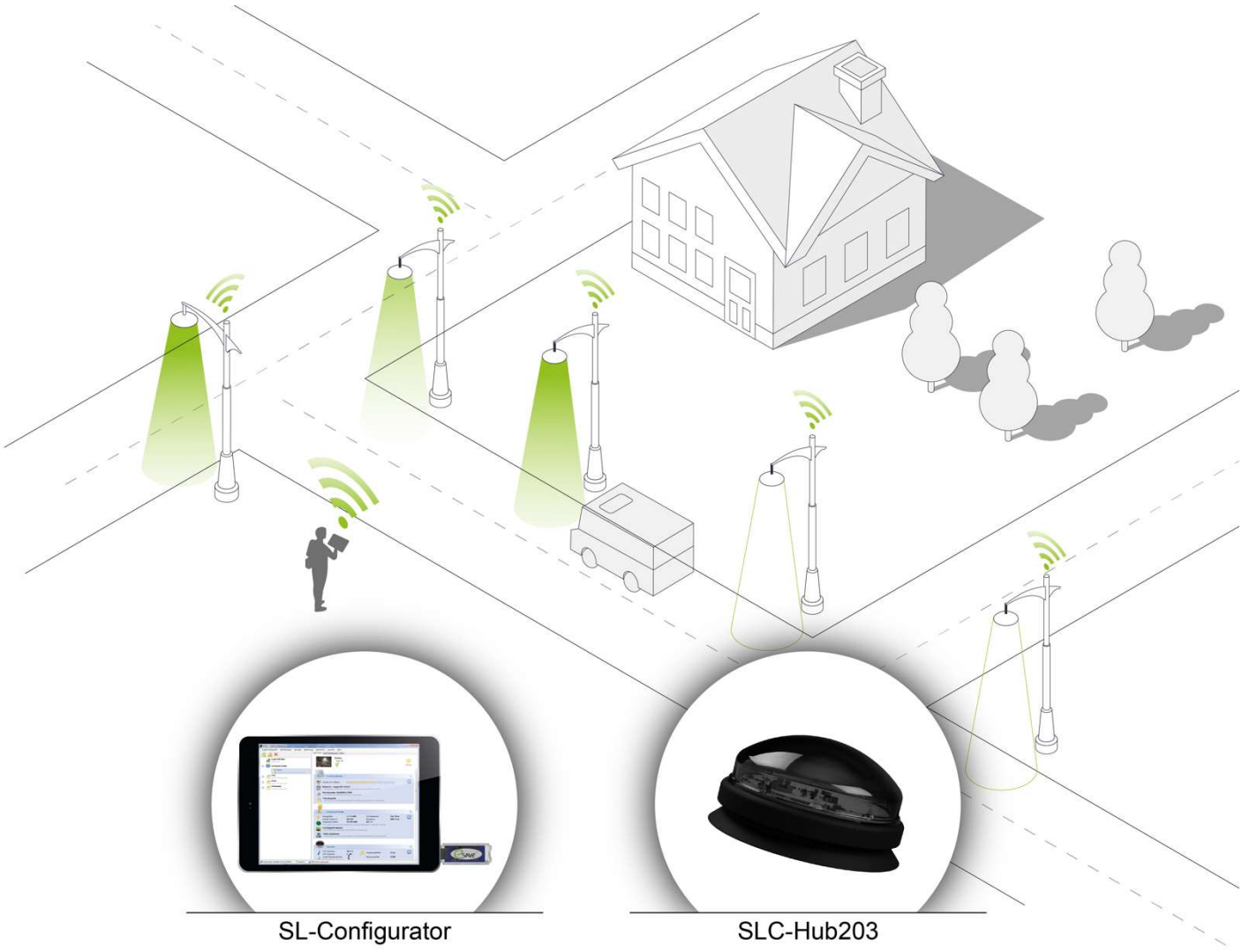
SLC-Hub203



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DIMENSIONS & WEIGHT

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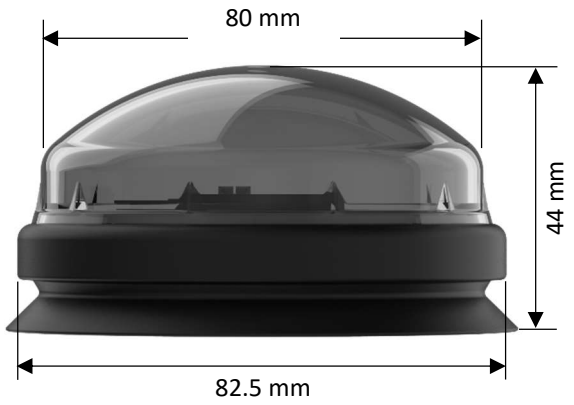
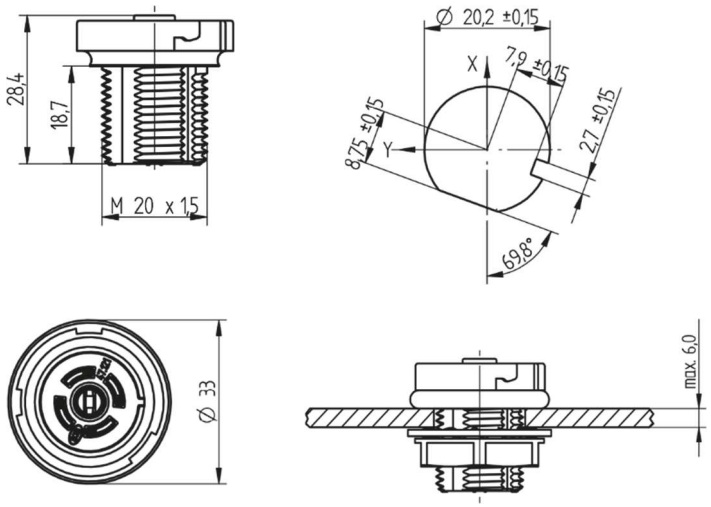


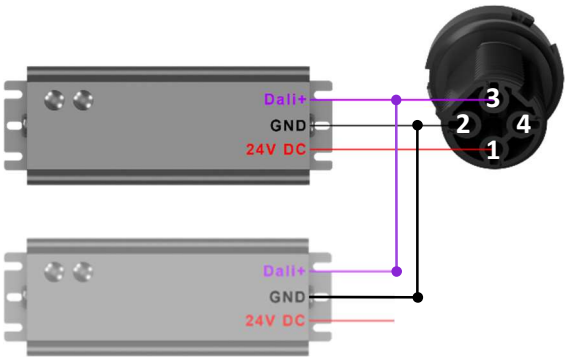
Width	82.5 mm
Dome width	80 mm
Height	44 mm
Product weight	73 g

Zhaga Connector

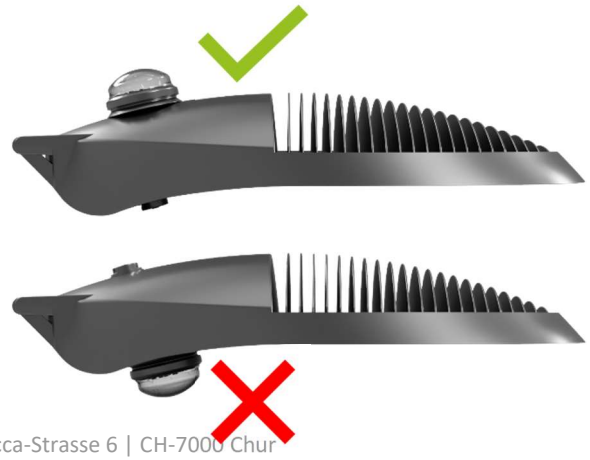


Outer diameter	30.0 mm
Height without plug	28.4 mm
Thread length	18.7 mm
Thread pitch	M20 x 1.5
Material	PBT
Wire size	20-16 AWG (0.5 - 1.5 mm^2)
Mounting	Torque mounting nut 1.8 to 2.4 Nm using a 27 mm hex socket

WIRING



INSTALLATION



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Note: The controller supports up to 4 LED Drivers simultaneously.

Maximum Ratings

Supply voltage	0 – 34 V DC
Current input	6 – 60 mA
Storage temperature	-40…+90 °C

Operating Characteristics

Supply voltage range	12 – 30 V DC | typ. 24 V DC
Current input (24 V DC)	7 – 15 mA
Power usage (24 V DC)	180 mW
Signal input (motion detection)	$V_{MOT\ HIGH\ Level}$: 12 – V_{cc} | $V_{MOT\ LOW\ Level}$: 0.0 – 0.5 V
Operating temperature	-40…+80 °C
DALI input current	max: 250 mA
Protection class	IP66

Wireless characteristics

RF frequency range	2.420 – 2.480 GHz
RF nominal output power	+8 dBm
Receiver sensitivity	-100 dBm

Materials & Colors

Dome material	Polycarbonate
Dome color	Transparent Smoke Gray
Body material	PBT
Body color	Grey