iLCS Wilamp IoT Street Zhaga (WiSZ)

Description

iLCS Wilamp IoT Street Zhaga (WiSZ) is an intelligent control device for remote control and monitoring of streetlights.

iLCS WiSZ complies with the specifications of the Zhaga Consortium Smart Street Lighting (Book 18), ensuring universal compatibility with all LED lamps equipped with standard Zhaga socket.

The device is powered at 24 Vdc and is equipped with a DALI2 / SR interface with the role of Master, capable of controlling up to 24 compatible LED drivers and reading diagnostic data on status and consumption.

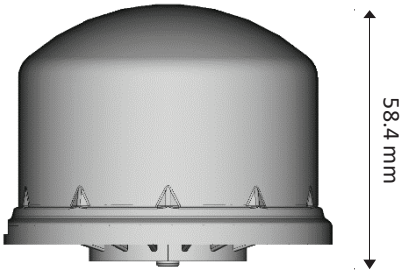
Communication with the data control unit takes place via wireless mesh network on the 2.4 GHz ISM band, with transmission power up to 20 dBm.

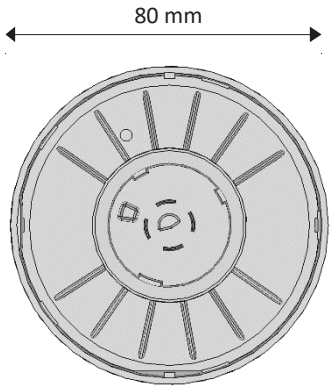
Equipped with brightness sensor, RTC and, in the full version, with on-board GPS, it can also work in standalone mode.

Technical Specifications

Product code	WiSZ WiSZ-GPS
RF communication	IEEE 802.15.4 Wireless Mesh Radio 2.4 GHz ISM band 16 radio channels +20 dBm max TX power
DALI2/SR interface	DALI2/SR Master On/off – dimming Metering and diagnostics read from driver (Supports up to 24 drivers on bus)
Power supply	+24 Vdc WiSZ: 0.25 W (max) WiSZ-GPS: 0.375 W (max)
Features	Standalone operation Firmware update over-the-air (OTA) Integrated RTC (battery free) Dedicated redundant EEPROM Ambient brightness sensor ADC input for external signal 3-axis accelerometer Compatible with TAI and FAI installation
Optional features (WiSZ-GPS version)	GPS, GLONASS with SBAS receiver High precision map positioning Automatic rise and fall calculation
Encryption	Hardware-based with 256 bit key
Temperature range	-25°C ÷ 70°C (operation) -40°C ÷ 120°C (stockage)
Protection grade	IP66 / IK09
Size	80 x 80 x 58.4 mm

Product Size





Product specifications and data are subject to change without prior notice to improve reliability, function or design.