Street Lighting
Control & Management Software

Version: 1.1
10 Jun 2019

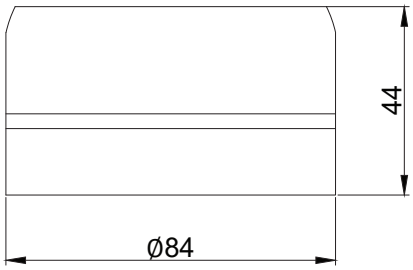
LiteWide Node

GSM Luminaire Controller

LiteWide – decentralized wireless management system for areas with high density of buildings or mountainous terrain, and for regions where legislation prohibits using radio control. Each LiteWide node has built-in GSM and connects directly to the server.The lights/cabinets are programmed and controlled directly from software without any intermediate gateways. LiteWide takes advantage from existing GSM network which leads to quicker and easier deployment.

Key Features

- Versions with open wires and NEMA plug
- Waterproof case IP65/IP66
- Individual lighting control without additional wires
- Variable output interfaces/protocols - DALI/DSI, Modbus RTU/ASCII, DMX512
- Embedded luminance sensor
- Embedded GSM antenna
- Embedded GPS/GLONASS receiver
- Embedded triac for load switching on/off
- Scheduled on/off and dimming
- Automatic node positioning on the map
- Motion sensor input



QULON CMS

QULON is a powerful yet extremely flexible Central Management System for street lighting. A combination of software applications and different hardware technologies that will offer you full control over any kind of lighting network enabling activity scheduling, real time faults notification, remote meter reading, performance analysis, custom dimming scenarios creation, maintenance workflow management and much more, increasing efficiency and cutting down costs.

SUNDRAX electronics

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LiteWide Node

GSM Luminaire Controller

Technical Specifications

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• Mechanical

Housing: Solid case
Material: Plastic
Dimensions, mm: 84(D) x 44(H) x 84(W)
Mass: 0.2 kg
Mounting: Luminaire case, pillar, etc

• Power & Electrical

Input Voltage: ~100-270 VAC, 50/60 Hz
Input Power (max): 5 W
Max load Power: 800 W

• Environmental

Operating Temperature: -40...+70°C
Storage Temperature: -50...+80°C
Operating Relative Humidity (max): 100%
IP Rating: IP65 and IP66
Certification: CE, RoHS
Warranty: 36 Month (Return to base)

• Inputs/ Outputs

Connectors: Wires, NEMA C136.41 plug
Sensors:
Embedded luminance sensor,
Motion sensor input

• Interfaces and Protocols

Control output interface/protocols:
DALI, Modbus, DMX512
Navigation: GPS/GLONASS
Radio Channel: GSM 850/900/1800/1900
Transmit Power Range(s):
Class 4 (+33dBm ± 2dB) for EGSM 850/900
Class 1 (+30dBm ± 2dB) for GSM 1800/1900

• Configuration/ Indication

Setup: Remote via software
Indication: LED

• Package Contents

LiteWide Node

Product Line

Name	Modification	Product code
LiteWide Node	NEMA connection, DALI protocol	QUL-LW-N-DAL
	NEMA connection, Modbus protocol	QUL-LW-N-RS
	NEMA connection, DMX512 protocol	QUL-LW-N-DMX
	Wired connection (1.5m), DALI protocol	QUL-LW-W-DAL
	Wired connection (1.5m), Modbus protocol	QUL-LW-W-RS
	Wired connection (1.5m), DMX512 protocol	QUL-LW-W-DMX

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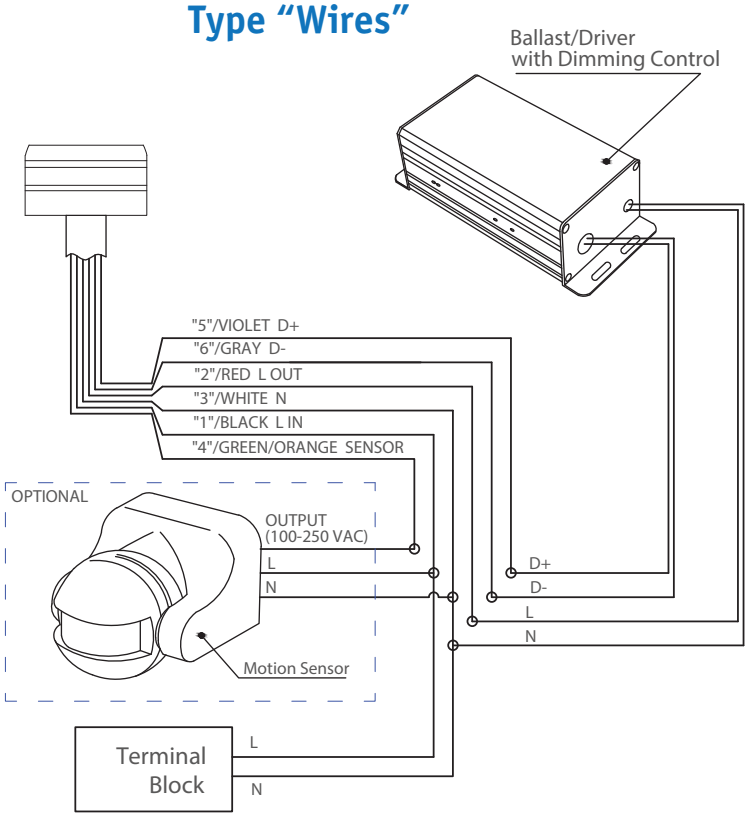
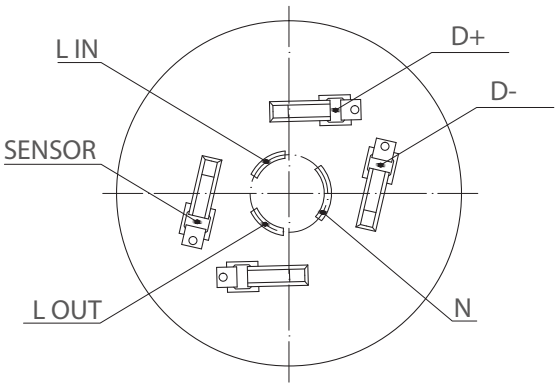
Connection Scheme

Type “Wires”



Alternative wire colors				
N	LIN	LOUT	D+	D-
Blue	Brown	Yellow-green	White	Black

Type “NEMA”



ANSI C136.41-2013 COMPATIBLE

Disclaimer

To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. No liability accepted for errors or omissions. Always make sure to use the most recent release and contact Sundrax Electronics to verify correctness before placing your order.

Accessories

Name	Product code
5-pin connector socket (NEMA)	QUL-ACC-NEM-135
7-pin connector socket (NEMA)	QUL-ACC-NEM-137
Motion Sensor Radio	QUL-ACC-RFM-111
Motion Sensor IR	QUL-ACC-RFM-112
Kit for mounting on the pillar	QUL-ACC-RFM-142
Kit for mounting on the wall	QUL-ACC-RFM-143
Kit for mounting on the lighting cabinet	QUL-ACC-RFM-144

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