

UniNode 3

Wireless radio control for streetlighting.

The UniNode Gen 3 is powered directly from the mains and monitors any DALI, 0-10V or 1-10V Analogue controlled ballast or driver.

ANSI Specification: C136.41 & C136.10

In addition to LeafNut equivalent metering, the Uninode3 allows the measurement of power consumption using a utility grade metering chip accurate to +/-2%. NB: not suitable for billing accuracy.

Please note: Energy measuring is only supported when used with a BranchNode 3

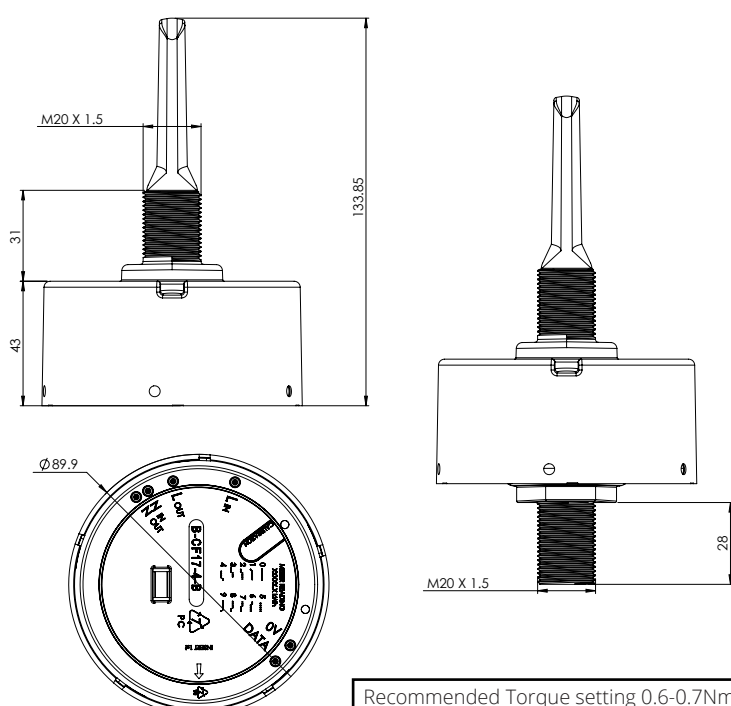


Compatibility with LeafNut CMS as standard.

LeafNut, our multi award winning street lighting control system is revolutionising outdoor lighting with almost 400,000 street lights being deployed worldwide.

LeafNut has been developed by our UK based research and development team and uses ground-breaking wireless technology to cut carbon emissions and reduce energy consumption.

Dimensional Drawing



Recommended Torque setting 0.6-0.7Nm

*All information is subject to change at our discretion

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Key Facts

- Internal light sensor for backup operation to reduce dayburning.
- +/-2% accuracy for monitoring power consumption
- WiMAC 868MHz & 915MHz compatible communications
- Dimming in 1% increments
- Can be retrofitted into existing lanterns
- 7-Pin NEMA, integral or external connections available
- Multi driver controllability
- 1-4 DALI driver pairing



Technical Specification

Mounting	7-Pin NEMA socket with twist lock or 20mm hole.
Environment Protection	Maintains luminaire integrity
Housing material	Polycarbonate
Power supply requirements	120-277V 50Hz/60Hz Standby: <0.5W
Ballast & Driver compatability	DALI, 0-10V or 1-10V Analogue
Operating temperature range	-40°C to +70°C
Branch communications	868MHz or 915MHz Pseudo random channel hopping system
Range	1Km typical urban, up to 8Km line of sight
Receiver Classification	Class 2
Equipment Classification	Class 2
Luminaire mounting thickness	6mm Max

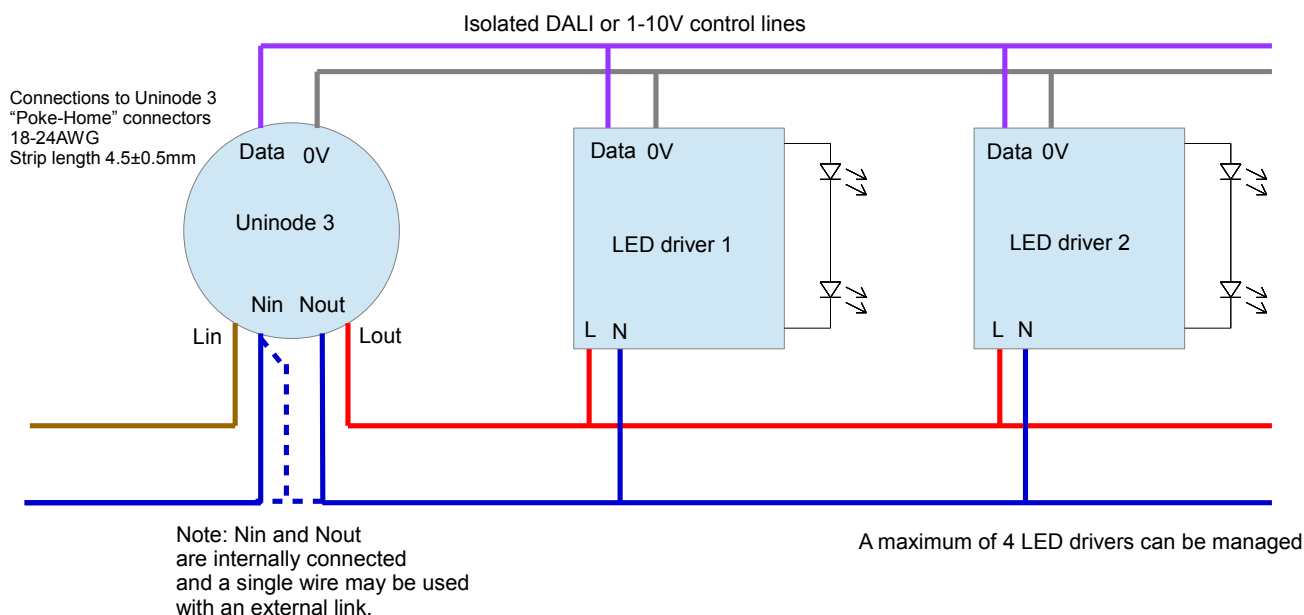
Variants

Part number	Operating Frequency
WMUN3-10A-UNI-868-M4-I/E/N7	868.125 - 868.425MHz - Europe
WMUN3-10A-UNI-915USA-M4-I/E/N7	905.2 - 915.91MHz - USA
WMUN3-10A-UNI-915ANZ-M4-I/E/N7	921.7 - 926.97MHz - Australia & New Zealand

Compliance

Approval	Standards
Designed to meet:	UL2735, UL60950, ANSI C12.1, FCC 15, EN300 220 / REC 70-03 ANNEXI (G1) / FCC Part 15

Wiring Diagram - Europe



Wiring Diagram - USA

