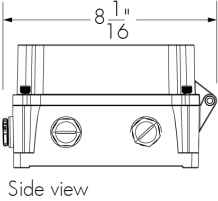
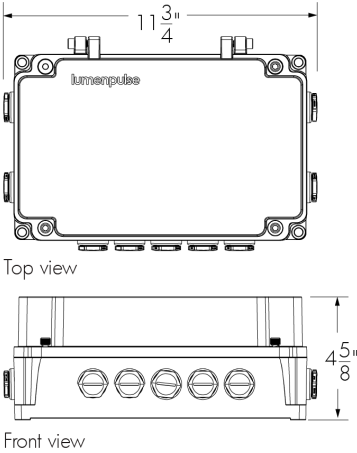


Project Name

Qty

Type

Catalog / Part Number



Required Components (By Others)

- Cables
- Listed watertight strain relief connectors
- Sealing compound

Compatible System



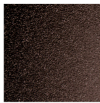
Controls

0-10V DALI DMX ENET

Finishes



BK-Black Sandtex®



BRZ-Bronze Sandtex®



SI-Silver Sandtex®



WH-Smooth white



CC-Custom color and finish
(please specify RAL color)

Option



Corrosion-resistant coating
for hostile environments

Lumencycle™ Program



Description

Lumenlink Pro is a multi-circuit gateway for Lumentalk, Lumenpulse's powerline control technology. The Lumenlink Pro converts input data from various control sources (DMX, 0-10V, DALI, or Ethernet) into a Lumentalk signal which can then travel over up to six electrical circuits. The Lumenlink Pro is also a stand-alone repeater that connects multiple phases, sending the Lumentalk control signal over numerous circuits to create a single, seamless Lumentalk network within a large installation.

Features

Power Line Configuration	Single-phase or three-phase systems (120V, 208V, 230V, 240V, 277V)
Input Protocols Supported	DMX, 0-10V Dimming, DALI, Art-Net 3, Streaming ACN (sACN)
Test Button	On-Off broadcast for testing
Discovery Button	Auto-discovery of Lumentalk devices
DMX Termination Switch	Onboard DMX termination switch
3G Vibration Rated	Meets 3G ANSI C136.31-2010 vibration standard for bridge applications
Option	Corrosion-Resistant Coating for Hostile Environments
Warranty	5-year limited warranty
Wattage	
Electromagnetic Compatibility (EMC)	FCC Part 15, ICES-003, ICES-006 (UL version), IEC/EN 55032, EN 50065-1 (CE version)

Physical

Housing Material	Die cast aluminum
Compartments	Base for connections, Cover for electronics
Cover	Hinged with safety cable

Certifications



Surface Finish	Electrostatically applied polyester powder coat
Weight	8 lbs

Electrical and Control

Input Voltage	120 volts or 277 Volts, 208 volts or 240 volts, 230 Volts
Power Input	6 inputs, 1/2" provision hole for 1/2" NPT, PG16 or 20mm
Data Input	2 inputs, 1/2" provision hole for 1/2" NPT, PG16 or 20mm

Output Voltage

Control

Wire Gauge	Mains power terminal: 22-12 AWG [0.325mm² - 3.301mm²], Data terminal: 22-16 AWG [0.325mm² - 1.307mm²]
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Data Input Signals	DMX, 0-10V Dimming, DALI, Ethernet
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Environmental

Environment	Suitable for indoor and outdoor applications
Storage Temperature	-40 °F to 185 °F
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °C to 50 °C [-40°F to 122°F]
Ingress Protection Rating	IP66

Important

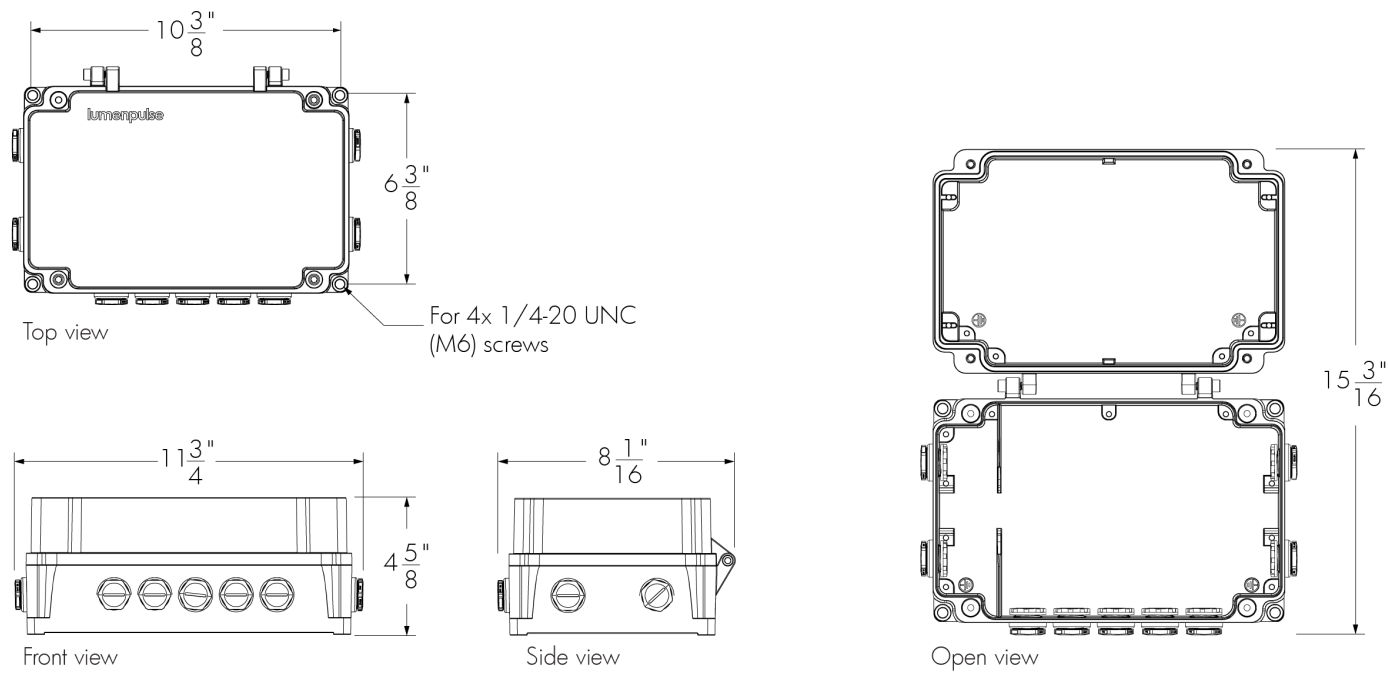
Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Lumencycle™ Program

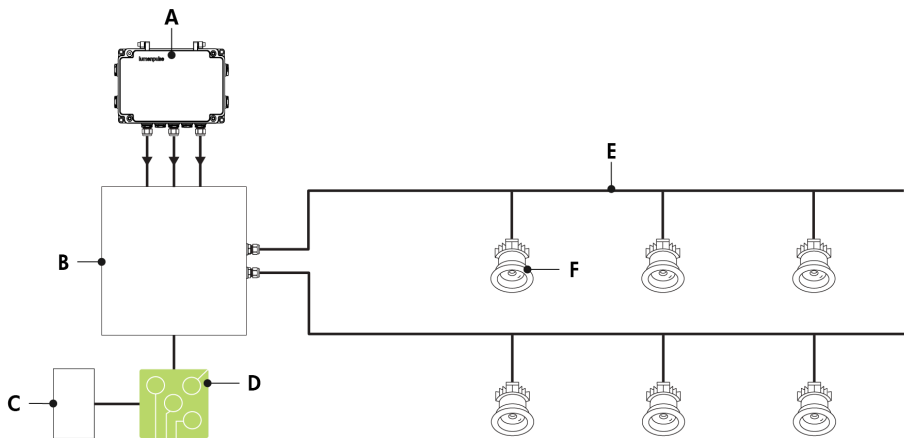
Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures, and responsibly manage them at end of life. For full program details, visit <https://www.lumenpulse.com/lumencycle>.

Dimensions



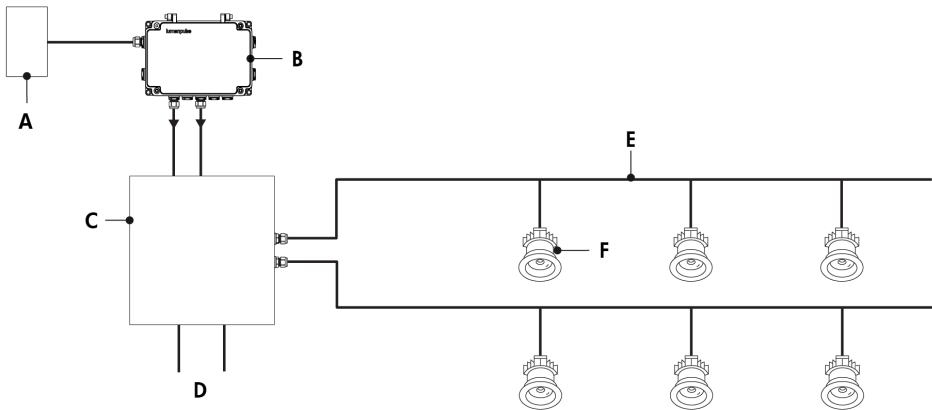
Typical Wiring Diagrams

Repeater Configuration



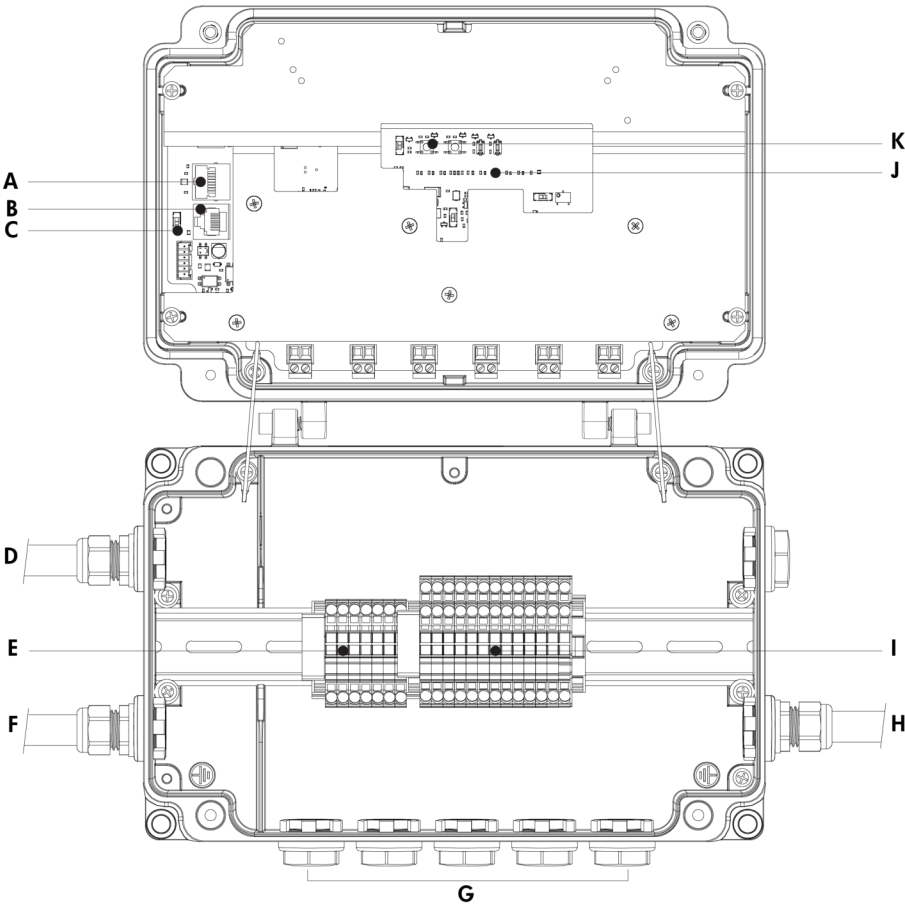
- A - Lumenlink Pro
- B - Lumentalk-dedicated electrical panel
- C - Dimmer/controller (order separately from Lumenpulse, or by others)
- D - Lumentranslator 2 (DIM, DMX, DALI or TRIAC)
- E - Lumentalk-dedicated circuit
- F - Lumentalk-enabled fixture

Gateway Configuration



- A - Dimmer/controller (order separately from Lumenpulse, or by others)
- B - Lumenlink Pro
- C - Electrical panel
- D - Third-party circuits
- E - Lumentalk-dedicated circuit
- F - Lumentalk-enabled fixture

Wiring Details



- A - Ethernet port**
Note: The Ethernet port is not PoE powered.
Note: The RJ45 connector can accept both types of Ethernet cables (T-568A AND T-568B).
- B - Commissioning port (RJ45)**
- C - DMX termination switch**
- D - Data input** (from controller or dimmer, order separately from Lumenpulse, or by others)
- E - Terminal blocks for data input wiring**
Wire gauge range: 22-16 AWG [0.325mm²-1.307mm²]
- F - Secondary data input** (from controller or dimmer, order separately from Lumenpulse, or by others)
- G - Mains power inputs 2-6** (from electrical panel or junction box)
- H - Mains power input 1** (from electrical panel or junction box)
- I - Terminal blocks for mains power input wiring**
Wire gauge range: 22-12 AWG, [0.325mm²-3.301mm²]
- J - Buttons and indicator lights**
- K - Test button**

How to Order

Housing	Voltage	Control ⁽³⁾	Finish	Certification	Option
LNKP Lumenlink Pro	120/277 120 volts or 277 Volts ⁽¹⁾ 208/240 208 volts or 240 volts ⁽¹⁾ 230 230 Volts ⁽²⁾	DIM 0-10V Dimming DALI DALI Dimming ⁽⁴⁾ DMX DMX enabled ENET Ethernet enabled	BK Black Sandtex® BRZ Bronze Sandtex® SI Silver Sandtex® WH Smooth White CC Custom Color & Finish ⁽⁵⁾ ⁽⁶⁾ ⁽⁷⁾	UL UL Compliant CE CE Compliant	CRC Corrosion-Resistant Coating ⁽⁸⁾ ⁽⁹⁾

Notes:

1. Available for UL version only.

2. Available for CE version only.

3. The Lumenlink Pro is factory pre-configured for one control mode, as specified in the order code.

4. Available for DALI T6 only.

5. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
6. Setup charges apply for RAL colors. Consult factory for details.

7. Longer lead times can be expected for custom RAL color finishes.

8. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.

9. Setup charges apply. Consult factory for details.