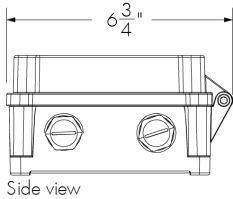
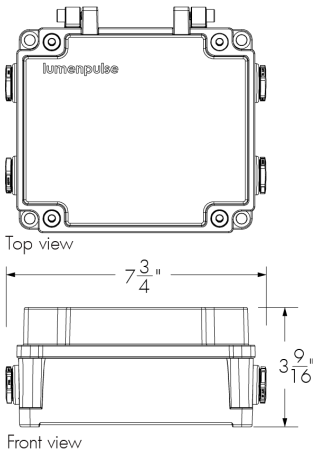


Project Name

Qty

Type

Catalog / Part Number



Compatible system



Output Control Signals

0-10V DMXrdm

Option

CRC

Corrosion-resistant coating
for hostile environments

Finishes



BK-Black Sandtex®



BRZ-Bronze Sandtex®



SI-Silver Sandtex®



WH-Smooth white



BKTX-Textured
black



BRZTX-Textured
bronze non-metallic



GRATX-Textured
medium gray



GRNTX-Textured
green



WHTX-Textured
white



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

Description

The Lumentalk Data Bridge is a digital interface that connects non-Lumentalk luminaires to the Lumentalk network. The device operates by converting data carried over Lumentalk into either DMX or 0-10V, enabling non-Lumentalk luminaires from the Lumenpulse portfolio to be linked to the system.

Features

Input Protocols Supported	Lumentalk Enabled Dimming
Output Protocols Supported	0-10V Dimming, DMX Control
Option	Corrosion-Resistant Coating for Hostile Environments
Warranty	5-year limited warranty

Physical

Housing Material	Die cast aluminum
Compartments	Base for connections, Cover for electronics, Wall partition for separation of circuits
Cover	Hinged with safety cable
Surface Finish	Electrostatically applied polyester powder coat
Weight	3.75 lbs

Electrical and Control

Input Voltage	AC power input: 100-277V AC
Output Voltage	AC power output: 100-277V AC, 250W maximum
Power Input	1/2" provision hole for 1/2" NPT, PG16 or 20mm
Output	1/2" provision hole for 1/2" NPT, PG16 or 20mm
Control	DMX enabled, 0-10V (Sink/Source, 20mA maximum)

Required Components (By Others)

- Cables
- Listed watertight strain relief connectors
- Sealing compound

Ratings



Lumencycle™ Program



Certifications



Environmental

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

Important

Virtual Patent Marking Notice

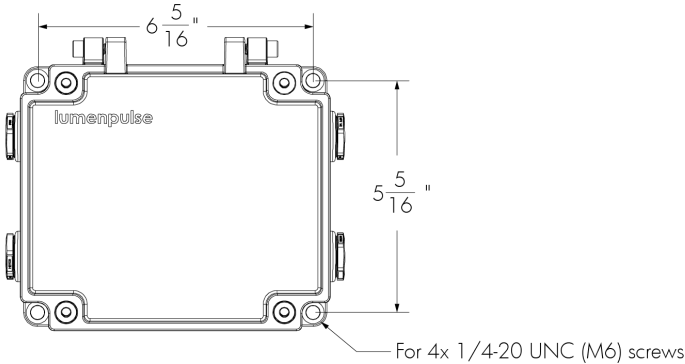
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

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>.

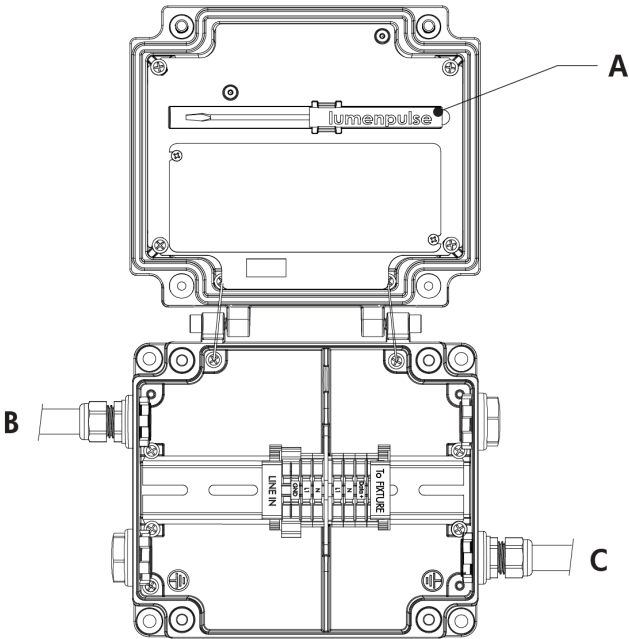
Mounting Details

Top View



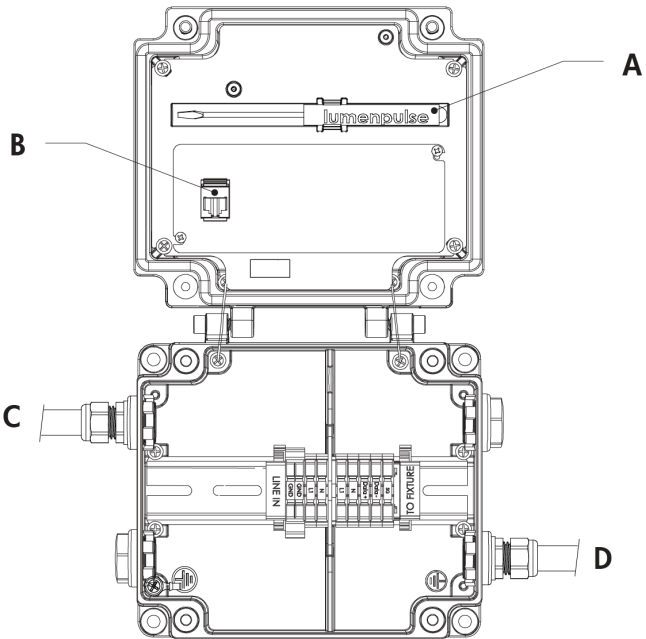
Typical Layout

0-10V Output Configuration



- A - Tool for connector operation
- B - 100-277V input (data from Lumentalk control system, in from power line)
- C - Output to 0-10V dimming fixture

DMX Output Configuration



- A - Tool for connector operation
- B - DMX addressing port*
- C - 100-277V input (data from Lumentalk control system, in from power line)
- D - Output to DMX or DMX/RDM fixture

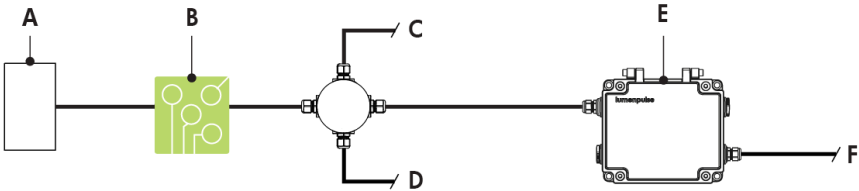
- Consult factory for details.
- Seal all possible water entry points with RTV silicone (pressure glands, conduit).

*2-step commissioning process:

- 1 - DMX/RDM system using LumenID software and a LID.
- 2 - Lumentalk system using LumentalkID software and a LID-LT.

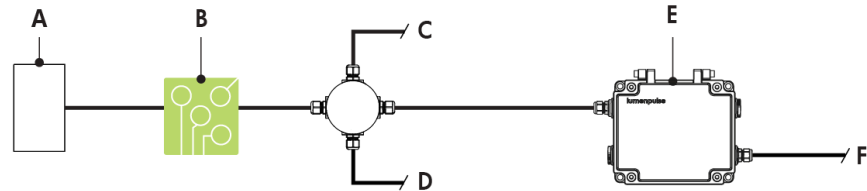
Typical Wiring Diagrams

0-10V Output Configuration (DIM)



- A - Dimmer/controller (by others)
- B - Lumentranslator 2 (LTL2-010, -DMX, -TRIAC, -DALI)
- C - To next Lumentalk enabled fixture or next Lumentalk Data Bridge
- D - Line input (to match fixture specified voltage)
- E - Lumentalk Data Bridge (LDB-DIM)
- F - Output to 0-10V dimming fixture

DMX Output Configuration (DMX)



- A - Dimmer/controller (order separately from Lumenpulse, or by others)
- B - Lumentranslator 2 (LTL2-010, -DMX, -TRIAC, -DALI)
- C - To next Lumentalk enabled fixture or next Lumentalk Data Bridge
- D - Line input (to match fixture specified voltage)
- E - Lumentalk Data Bridge (LDB-DMX)
- F - Output to DMX or DMX/RDM fixture or control and power supply box

How to Order

Housing	Output Control Signal	Finish	Option
LDB Lumentalk Data Bridge	DIM 0-10V Dimming DMX DMX control	BK Black Sandtex® BRZ Bronze Sandtex® SI Silver Sandtex® WH Smooth White CC Custom Color & Finish ⁽¹⁾ ⁽²⁾ ⁽³⁾	CRC Corrosion-Resistant Coating ⁽⁴⁾ ⁽⁵⁾

Notes:

1. 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.

2. Setup charges apply for RAL colors. Consult factory for details.
3. Longer lead times can be expected for custom RAL color finishes.

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

5. Setup charges apply. Consult factory for details.