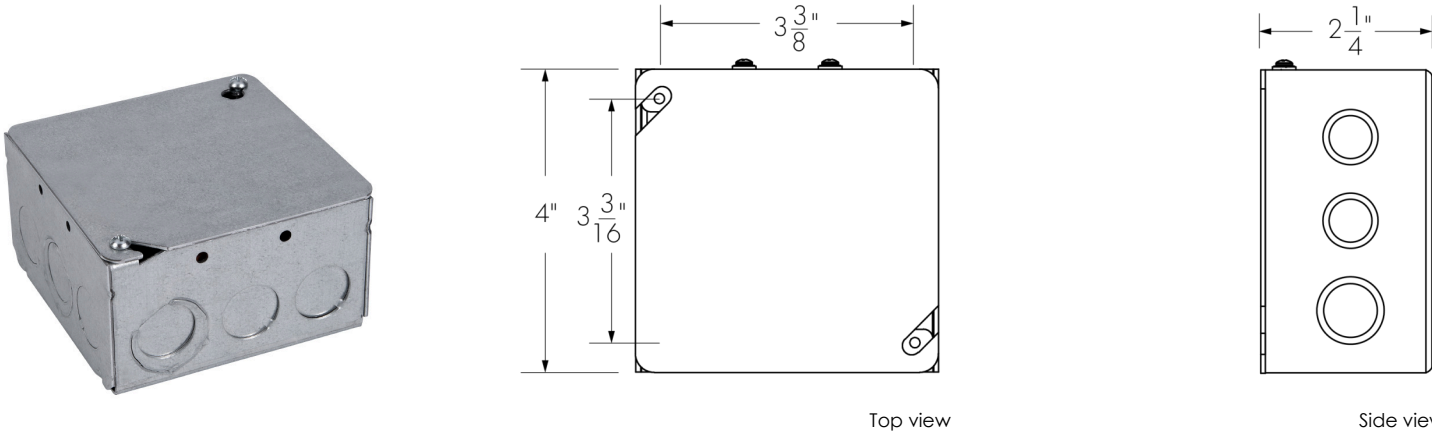


Project Name

Qty

Type

Catalog / Part Number



Input control signals

0-10V  DMXrDM DALI

Output control signals

PWM

Required components (by others)

- Cables
- Listed strain relief connectors

Lumencycle™ Program



Certifications



Description

The Lumenpulse Digital Data Bridge is a data protocol converter that accepts 0-10V, DMX, or DALI input signals, making it highly adaptable to a variety of installations. The Digital Data Bridge can be used with a 150 ft run of Lumencove Nano 2.0 and cables for a combined run length of up to 250 ft.

Features

Housing	Dual gang box
Warranty	5-year limited warranty

Physical

Housing Material	Galvanized metal
Mounting	Standard electrical box mounting
Weight	1.65 lbs

Electrical and Control

Power Input	1/2" provision hole for 1/2" NPT, PG16 or 20mm
Data Input	1/2" provision hole for 1/2" NPT, PG16 or 20mm
Output	1/2" provision hole for 1/2" NPT, PG16 or 20mm
Voltage	120-277 Volts
Input Control Signal	0-10V Sink/Source dimming (auto-sensing 0-10V Sink/Source device, 2mA current), DXM/RDM control, DALI dimming Type 6
Output Control Signal	PWM control

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	IP20
Environment	Indoor applications only

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>.

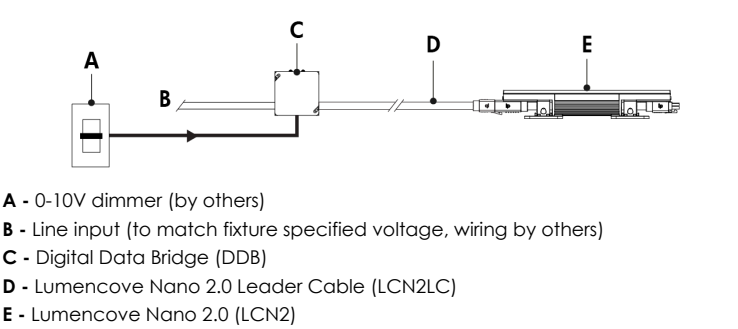
Typical Wiring Diagrams

Wiring Color Code

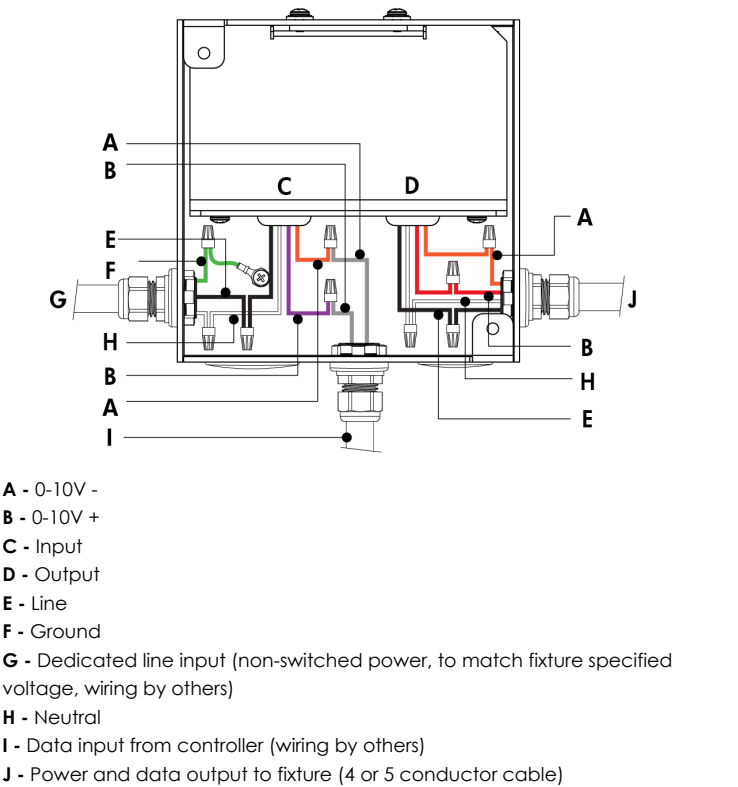
UL Color Code	USE
Green	Ground
Black	Line
White	Line/Neutral
Red/Purple	Data +
Orange	Data -

Typical Wiring Diagrams (Refer to Installation Instructions for Additional Wiring Details)

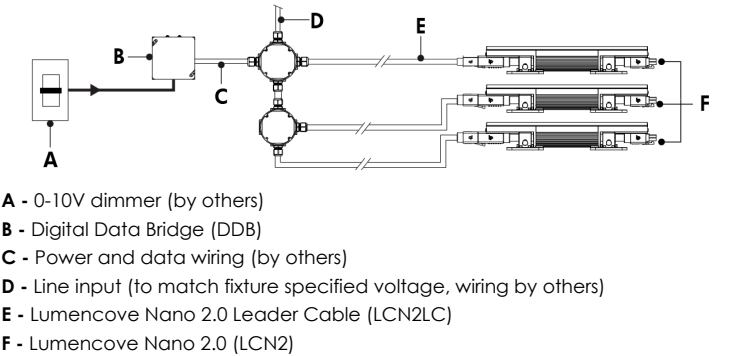
0-10V Dimming (DIM)



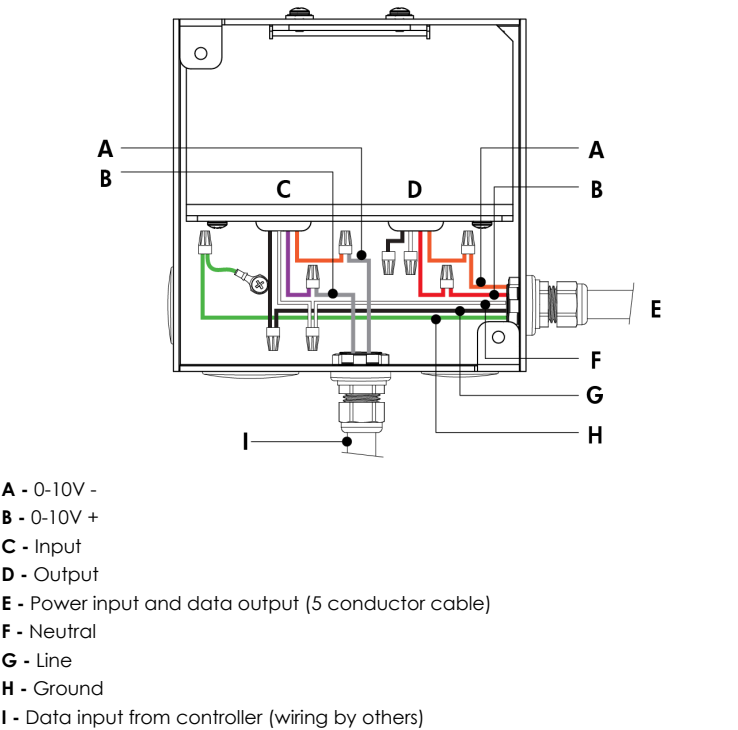
0-10V Dimming (DIM) - Wiring Detail



Alternate Wiring Diagram For 0-10V Dimming (DIM)



Alternate Wiring Detail for 0-10V Dimming (DIM)



- Each Digital Data Bridge (DDB) can support a maximum of 150 ft of Lumencove Nano 2.0.
- Power to the DDB must be non-switched dedicated line voltage. The power should not run through a dimmer or relay.

How to Order

Housing	Voltage	Certification	Input Control Signal	Output Control Signal
DDB Digital Data Bridge (Data protocol converter that converts a 0-10V, DMX or DALI signal to a PWM control output)	120/277 120-277 Volts	UL UL Compliant CE CE Compliant ⁽¹⁾	DIM 0-10V dimming DMX DMX/RDM control DALI DALI dimming Type 6	PWM PWM control

Notes:

1. Consult European specification sheet and installation instructions for CE wiring information.