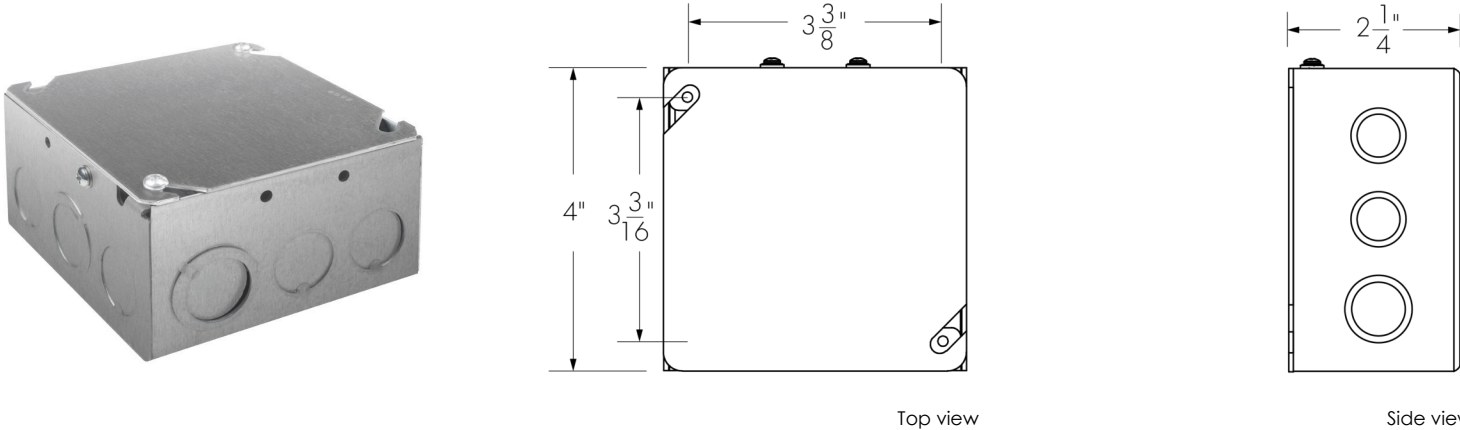


Project Name _____ Qty _____

Type _____ Catalog / Part Number _____



Input control signal

0-10V

Output control signal

DMX

Required components (by others)

- Cables
- Listed strain relief connectors

Description

The Lumenpulse 2-Channel Smart Data Bridge is a data converter that allows you to use two 0-10V dimmers to control Lumencore Dynamic White fixtures with CCT and intensity control. Easy to integrate, with wiring for power and data inputs/outputs, the 2-Channel Smart Data Bridge allows for simple zone control of Dynamic White lighting.

Lumencycle™ Program



Certifications

 cUL US

 RoHS



 5 YEARS
lumenpulse

Features	
Housing	Dual gang box
Warranty	5-year limited warranty
Physical	
Housing Material	Galvanized metal
Weight	1.5 lbs
Mounting	Standard electrical box mounting
Electrical and Control	
Input Voltage	100 to 277 volts
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 (2 outputs available)
Output	1/2" provision hole for 1/2" NPT, PG16 or 20mm
Input Control Signal	0-10V Sink/Source dimming (auto-sensing 0-10V Sink/Source device, 3mA current)
Output Control Signal	DMX control (maximum of 32 DMX fixtures per SDB2C), standard DMX 512 signal with repeating data for channels 1 and 2
Environmental	
Storage Temperature	-40 °F to 185 °F

Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-13 °F to 122 °F
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

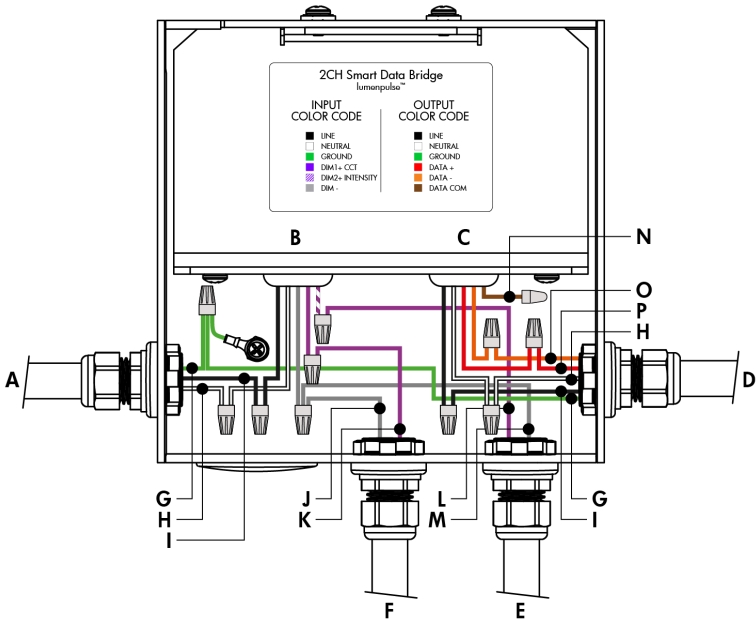
Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures,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

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

Wiring Color Code

UL Color Code	USE
Green	Ground
Black	Line
White	Neutral
Purple	DIM1+ CCT
Purple/ White	DIM2+ intensity
Grey	DIM common
Red	DMX/RDM+
Orange	DMX/RDM-
Brown	DMX/RDM common

Typical Layout



- A - Line input (100-277V AC, wiring by others)
- B - Input
- C - Output
- D - Power and data output to fixture (5 conductor cable, wiring by others)
- E - Data input from dimmer 2 (wiring by others)*
- F - Data input from dimmer 1 (wiring by others)*
- G - Ground
- H - Neutral
- I - Line
- J - Dim1-
- K - Dim1+
- L - Dim2+
- M - Dim2-
- N - DMX/RDM common
- O - DMX/RDM-
- P - DMX/RDM+

*A dimmer with a linear dimming curve is recommended for all applications.

Compatible Fixtures

PRODUCT NAME*	HOUSING START CODE	COLOR AND COLOR TEMPERATURE
Lumencore Linear Cove	LCV	CDWH - Dynamic White Custom CCT Range (1800K to 6500K) DWW - Dynamic Warm White (2200K to 3000K) DWWP - Dynamic Warm White Plus (2200K to 3500K) DWH - Dynamic White (2700K to 6500K)
Lumencore Linear Graze	LCVA	MCDWH - Dynamic White Custom CCT Range (1800K to 6500K) MDWW - Dynamic Warm White (2200K to 3000K) MDWWP - Dynamic Warm White Plus (2200K to 3500K) MDWH - Dynamic White (2700K to 6500K)
Lumencore Recessed Nano	LCRN	DWW - Dynamic Warm White (2200K to 3000K) DWWP - Dynamic Warm White Plus (2200K to 3500K) DWH - Dynamic White (2700K to 6500K)
Lumencore Recessed Small	LCRS	
Lumencore Recessed Discreet Nano	LADN	
Lumencore Recessed Discreet Nano Tilt	LADN-TILT	
Lumencore Recessed Discreet Medium	LADM	
Lumencore Recessed Discreet Medium Tilt	LADM-TILT	
Lumencore Recessed Clear Large	LACL	
Lumencore Recessed Multi 1	LAMC1	
Lumencore Recessed Multi 2	LAMC2	
Lumencore Recessed Multi 3	LAMC3	
Lumencore Recessed Multi 4	LAMC4	
Lumencore Recessed Nio Decorative	LADDNIO	
Lumencore Cylinder Nano	LACYN	
Lumencore Cylinder Small	LACYS	
Lumencore Cylinder Medium	LACYM	DWH - Dynamic White (2700K to 6500K) DWW - Dynamic Warm White (2200K to 3000K) DWWP - Dynamic Warm White Plus (2200K to 3500K)
Lumencore Cylinder Large	LACYL	

* Fixtures must be ordered with DMX/RDM control.

How to Order

Housing	Input Voltage	Input Control Signal	Output Control Signal	Certification
SD82C 2-Channel Smart Data Bridge	100/277 100-277 volts	010S1 0-10V Sink/Source dimming	DMX DMX control	UL UL Compliant