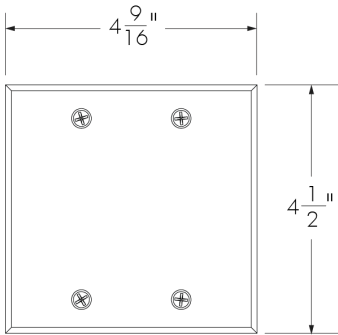


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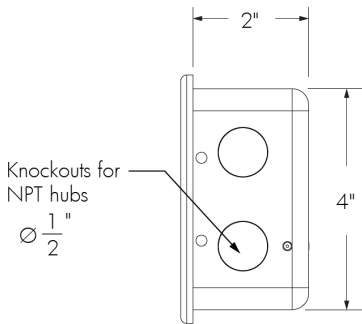
Qty _____

Type _____

Catalog / Part Number _____

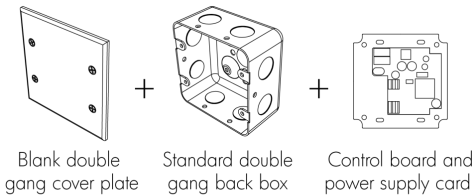


Front view



Side view

Content*



*Strain relief and wires by others

Description

Lumentranslator 2 opens up communication on the Lumentalk network. It translates the input signal coming from any control source (0-10V, DMX, TRIAC or DALI) and converts it to a robust digital signal which can then travels the entire power line. The Lumentranslator 2 allows Lumentalk to communicate control and dimming commands throughout the whole system. Lumentranslator 2 comes pre-installed and draws its data and power from the same power line. It can be used as either a local or global control and is UL and CE compliant.

Compatible System



Compatible Control Protocols

0-10V DMX DALI TRIAC

Lumencycle™ Program



Certifications



Features

Enclosure	Double gang back box (cover plate included)
Knockouts	Knockouts for 1/2" NPT hubs
Cover Finish	Black finish, White finish
Mounting	Surface, Recessed
Warranty	5-year limited warranty

Physical

Housing Material	Galvanized metal
Cover Material	Plastic

Electrical and Control

Voltage	100 to 277 volts
Power Supply	Integrated power supply card
Input Control Signal	0-10V Dimming, DMX Control, DALI Control, TRIAC dimming

Environmental

Operating Temperature	-13 °F to 122 °F
Environment	Dry location only

Important

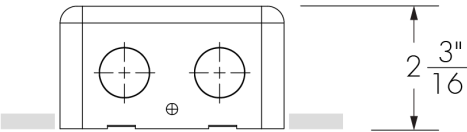
Virtual Patent Marking Notice

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.

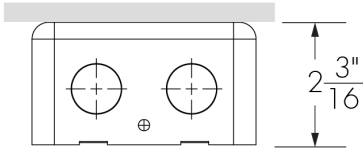
Lumencycle™ Program

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>.

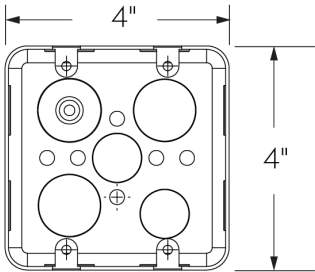
Installation Details



Top view - recessed double gang box installation detail



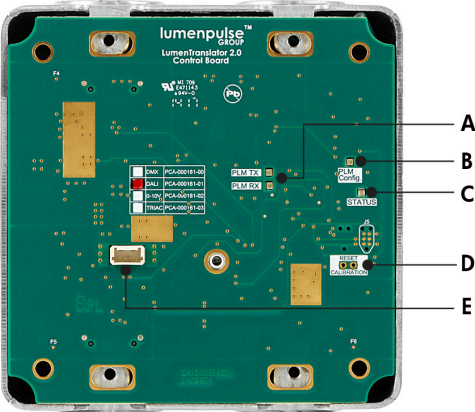
Top view - remote & surface double gang box installation detail



Front view - double gang box installation detail

Interface Details

Front View



- A** - Lumentalk Tx/Rx indicators
- Tx blinks green when the Lumentranslator 2 is transmitting Lumentalk data
 - Rx blinks red when the Lumentranslator 2 is receiving Lumentalk data
- B** - Power indicator
- Solid green when the Lumentranslator 2 is powered and correctly configured
- C** - Status indicator (See Status LED indicator table for details)
- D** - Reset calibration pins (refer to installation instructions for details)
- E** - Commissioning connector
- Take care to avoid damaging the commissioning connector when programming and when installing the cover plate

Status LED Indicator

Control signal	LED status	Mode/ warning
ALL	Solid blue	The cable is plugged into the commissioning connector
ALL	OFF/Blink/Dim	In commissioning mode, turns off, blinks or dims when the Lumentranslator 2 is selected in LumentalkID software (with On Device Select feature)
TRIAC	Fast blink (every 200 milliseconds)	The wiring between the Lumentranslator 2 and the dimmer must be reversed
0-10V TRIAC	Slow blink (every second) until new calibration or power cycle	Dimmer calibration has been reset
DALI	Fast blink (every 200 milliseconds)	No DALI bus power

Fixture Availability



Lumencore Recessed



Lumencore Cylinders



Lumencore Track



Lumenline



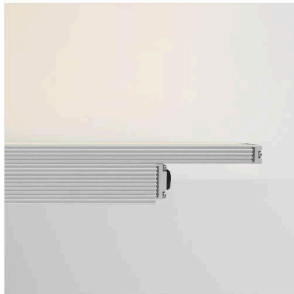
Lumenbeam



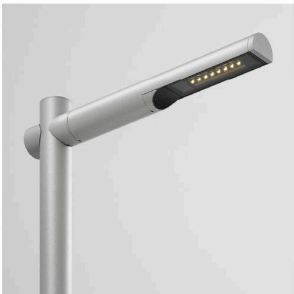
Lumenquad



Lumenfacade Max



Lumencove XT



Lumenspoke



Lumenblade



Element



Mobilia

Some exceptions, consult fixture specification sheets for details.

Wiring Color Code

0-10V Dimming (DIM)

UL Color code & Terminal Block Description	USE
Line	Line (black)
Neutral	Neutral (white)
IN +	0-10V +
IN -	Not used
GND	0-10V -

DMX Control (DMX)

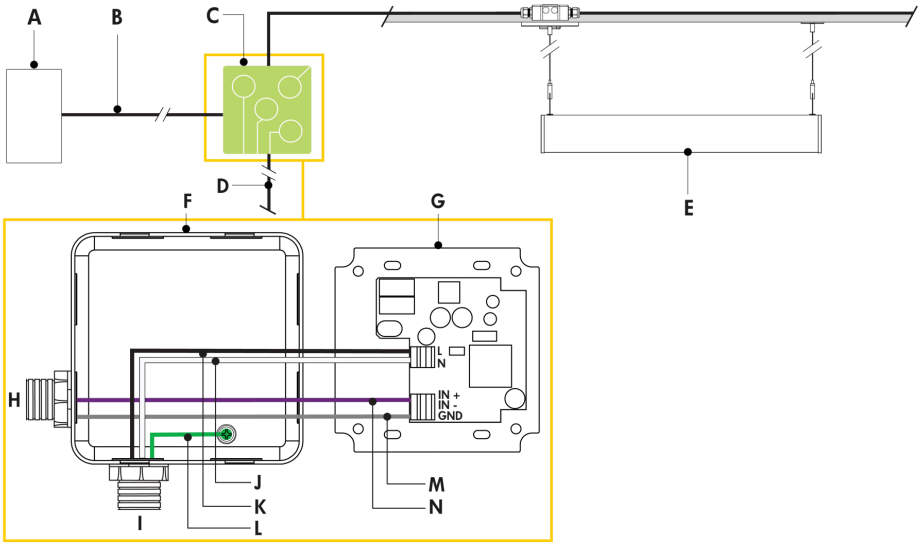
UL Color code & Terminal Block Description	USE
Line	Line (black)
Neutral	Neutral (white)
IN +	Data +
IN -	Data -
GND	DMX shield

DALI Control (DALI) / TRIAC Dimming (TRIAC)

UL Color code & Terminal Block Description	USE
Line	Line (black)
Neutral	Neutral (white)
IN +	DA + / Data +
IN -	DA - / Data -
GND	Not used

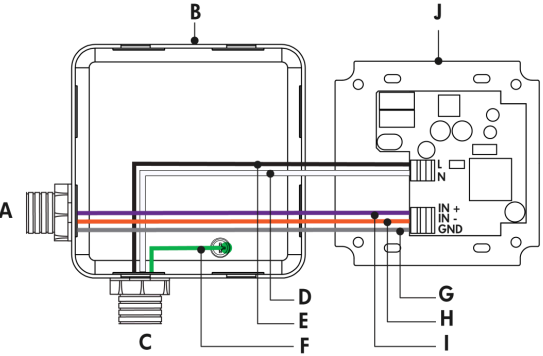
Typical Wiring Diagrams

DIM - Wiring Detail for Recessed and Surface Installation



- A - 0-10V dimmer
- B - Data input from dimmer (typical #22-2 to #18-2/ #0.32mm² to 0.82mm² cable by others)
- C - Lumentranslator 2 (0-10V)
- D - Power input (typical 18 AWG or 16 AWG/ 0.82mm² or 1.31mm² for Line and Neutral)
- E - Lumenline pendant (single unit)
- F - Double gang box (front view)
- G - Lumentranslator 2 card (back view)
- H - From dimmer
- I - Power input (100V/277V)
- J - Neutral
- K - Line
- L - Ground
- M - 0-10V -
- N - 0-10V +

DMX - Wiring Detail

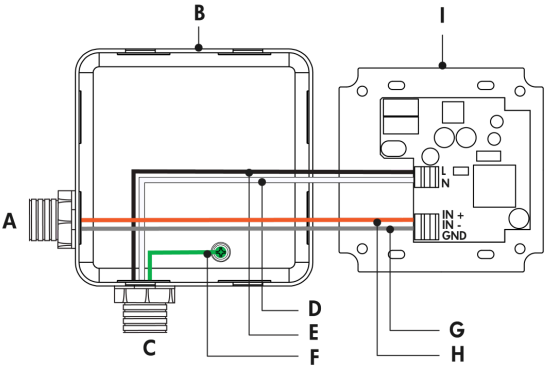


- A - From DMX controller
- B - Double gang box (front view)
- C - Power input (100V/277V)
- D - Neutral
- E - Line
- F - Ground
- G - DMX shield
- H - DMX -
- I - DMX +
- J - Lumentranslator 2 card (back view)

- Consult website for a list of compatible dimmers.
- Lumentranslator 2 card must remain accessible at all times.
- Calibration is required for TRIAC and 0-10V Lumentranslators. Consult installation instructions for more information.
- Wire colors from different dimmer or controller types may vary. Consult color code wiring detail for connection information.
- Maximum distance between dimmer or controller and lumentranslator 2 is 50 ft.

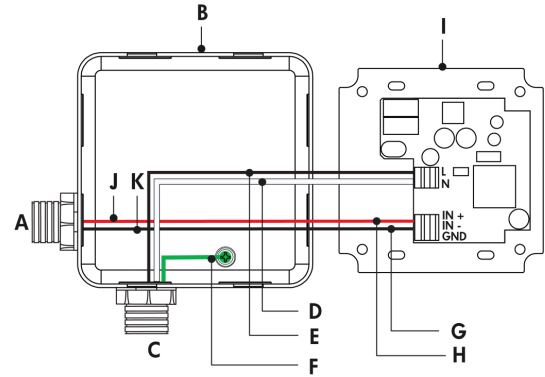
Typical Wiring Diagrams - Continued

DALI - Wiring Detail



- A - From DALI controller
- B - Double gang box (front view)
- C - Power input (100V/277V)
- D - Neutral
- E - Line
- F - Ground
- G - DA -
- H - DA +
- I - Lumentranslator 2 card (back view)

TRIAC - Wiring Detail



- A - From TRIAC dimmer
- B - Double gang box (front view)
- C - Power input (100V/277V)
- D - Neutral
- E - Line
- F - Ground
- G - Data -
- H - Data +
- I - Lumentranslator 2 card (back view)
- J - Left wire
- K - Right wire

- Consult website for a list of compatible dimmers.
- Lumentranslator 2 card must remain accessible at all times.
- Calibration is required for TRIAC and 0-10V Lumentranslators. Consult installation instructions for more information.
- Wire colors from different dimmer or controller types may vary. Consult color code wiring detail for connection information.
- Maximum distance between dimmer or controller and lumentranslator 2 is 50 ft.

How to Order

Housing	Voltage	Input Control Signal	Certification	Cover Finish ⁽³⁾
LTL2 Lumentranslator™ 2	100 100 Volts	DIM 0-10V Dimming	UL UL Compliant	BK Black finish
	120 120 Volts	DMX DMX Control	CE CE Compliant ⁽²⁾	WH White finish
	208 208 Volts	DALI DALI Control ⁽¹⁾		
	240 240 Volts			
	277 277 Volts	TRIAC TRIAC dimming		

Notes:

- 1. Available for DALI T6 only.
- 2. Consult European specification sheet and installation instructions for CE wiring information.
- 3. Not applicable to CE version.