

LUMIGEAR Central CV Enclosure

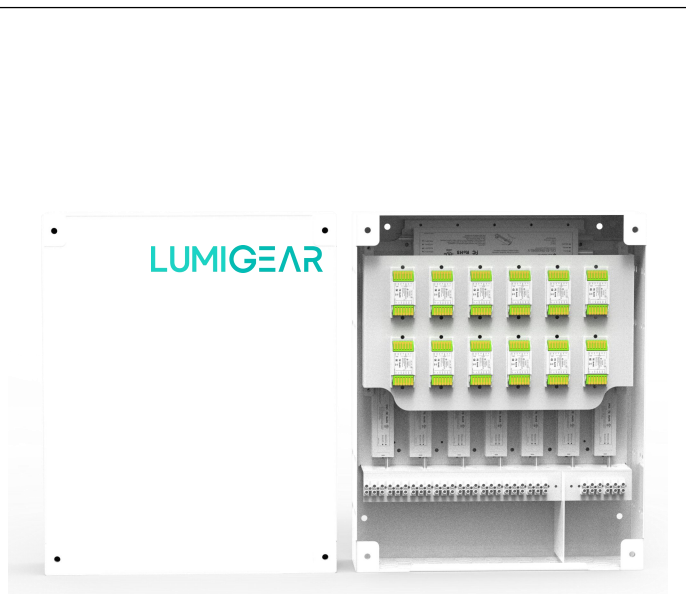
12-48 V Class 2 LED Power & Control Enclosure

Key Features

- Purpose-built lighting system enclosure for high-end architectural projects.
- Centralized installation for up to 12 × 96 W LED drivers.
- Supports 12 V / 24 V / 36 V / 48 V constant-voltage LED output circuits.
- Class 2 low-voltage lighting circuits provide safer field wiring.
- Control-ready design with standard 0-10 V Tri-mode and DMX options, plus reserved DALI configurations.
- Front-serviceable structure for driver replacement and maintenance.
- The power supplies and decoders are prewired and connected to terminal blocks for power and control wiring.

Application

- Luxury hotels and other hospitality lighting applications.
- High-end commercial interiors and Class A office projects.
- Museums, galleries and premium retail lighting.
- Centralized low-voltage LED power distribution.
- Projects requiring clean installation, clear labeling, and easy maintenance.



Ordering Guide

A1 Product	A2 Driver Type	A3 Output Voltage	A4 Circuit Qty	A5 Power	A6 Control	A7 Mounting
CVE	P / L/W P=CVP L=CVL W=CVW	12V/24V/36V/48V	1-12 channels=1C-12C	60 W/96 W	V=0-10V VT=0-10V+TRIAC/ELV DALI=DT6/DT8/D4i DMX=DMX512/RDM	Recessed=R Surface=S

Configuration Examples

Model	Driver Qty	LED Driver	Max Driver Power	Total Installed Power	Output Voltage	Control Readiness
CVE-P-24V-12C-96W-DMX-R	12 PCS	CVP+DMX decoder	96 W	1152 W	24 VDC	DMX512/RDM
CVE-L-24V-7C-96W-V-R	7 PCS	CVL	96 W	672 W	24 VDC	0-10V
CVE-W-24V-9C-96W-VT-R	9 PCS	CVW	96 W	864 W	24 VDC	0-10V+TRIAC/ELV

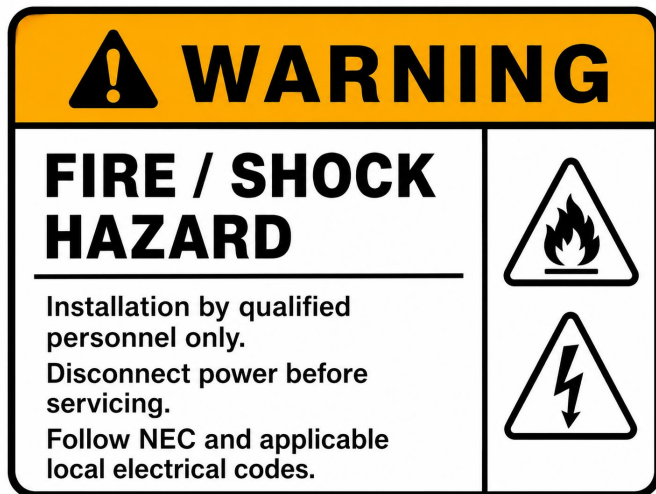
Compatible LED Drivers

	Model	Total Installed Power	Number of Circuits	Output Power	Input Voltage	Output Voltage	Dimming
	CVP-A1-060SxxxU-ND	720 W	12 PCS	60 W	120-277 VAC	12/24/36/48 VDC	N/A
	CVP-A1-096SxxxU-ND	1152 W	12 PCS	96 W	120-277 VAC	24/36/48 VDC	N/A
	CVL-B1-060SxxxU-V	420 W	7 PCS	60 W	120-277 VAC	12/24/36/48 VDC	0-10V
	CVL-B1-096SxxxU-V	672 W	7 PCS	96 W	120-277 VAC	24/36/48 VDC	0-10V
	CVW-A1-060S024U-VT	540 W	9 PCS	60 W	120-277 VAC	12/24/36/48 VDC	0-10V+TRIAC/ELV
	CVW-A1-096S024U-VT	864 W	9 PCS	96 W	120-277 VAC	24/36/48 VDC	0-10V+TRIAC/ELV

Compatible DMX Decoder

	Model	Max. Output Power per Decoder	Max Decoder Qty.	Output Current per Channel	Total Output Current	Input/Output Voltage	Dimming
	DC-A1-384W5CH-DMX-PC	384 W max	12 PCS	8 A	8 A	12/24/36/48 VDC	DMX512/RDM

Installation must be performed by a licensed electrician.



Safety Instructions

- Installation must be performed by a qualified electrician.
- Install this LED driver in accordance with the National Electrical Code, ANSI/NFPA 70, and all applicable local codes.
- Disconnect power before installation, wiring, or servicing.
- Ensure the LED driver is mounted securely and protected from accidental contact.
- Use only within the rated input voltage, output voltage, output current, and ambient temperature range specified on the product label.
- Do not install in wet locations unless the product is specifically rated for wet-location use.
- Keep all packaging materials, small parts, and accessories away from children.
- Read all instructions carefully before installation and retain them for future reference.

Verify Package Contents and Components

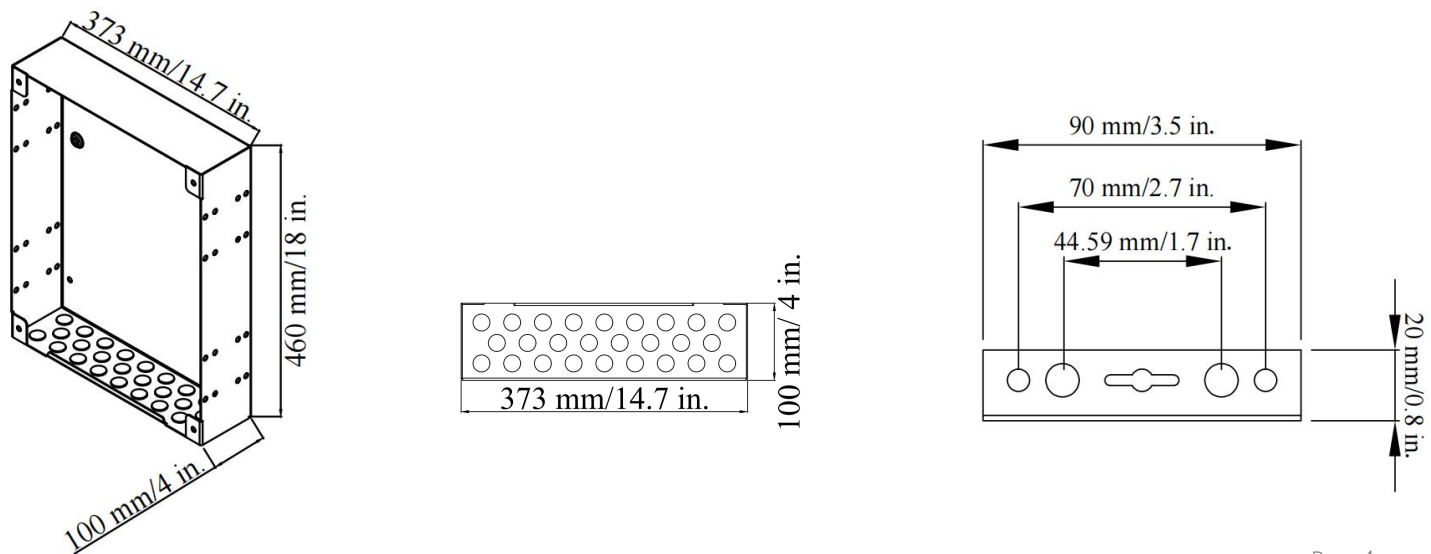
- Enclosure ×1
- Mounting Bracket ×4
- Assorted Mounting Screws
- Supports up to 12 LED drivers, depending on the selected configuration.
- Supports up to 12 DMX decoders, depending on the selected configuration.

Mounting Options

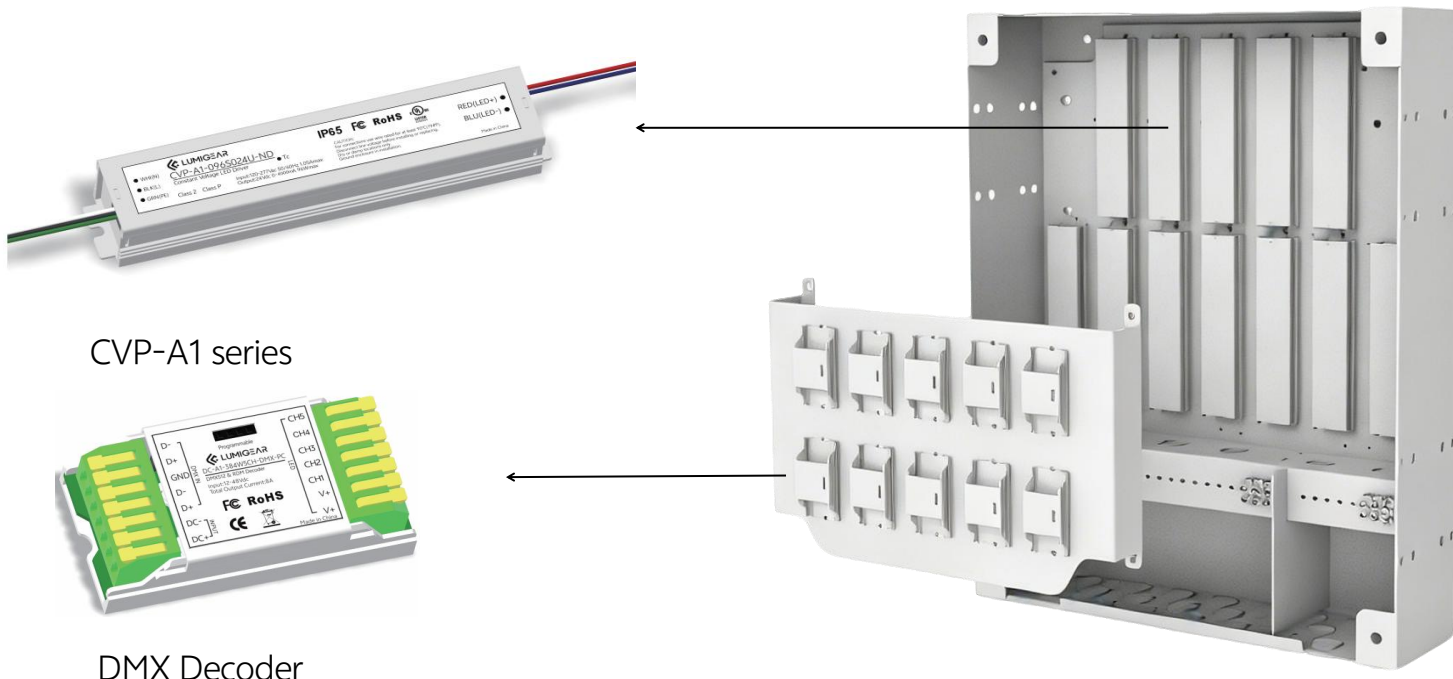
Surface Mounting	Recessed Mounting
	
Vertical Suspended Mounting (brackets included as standard)	Horizontal Suspended Mounting (brackets included as standard)
	

If the housing is installed during construction, protect the entire housing with a suitable temporary cover or masking material to prevent construction debris, surface damage, and paint overspray. Remove all temporary protection before installation of the internal components, and ensure that the interior of the housing is clean and free of foreign materials.

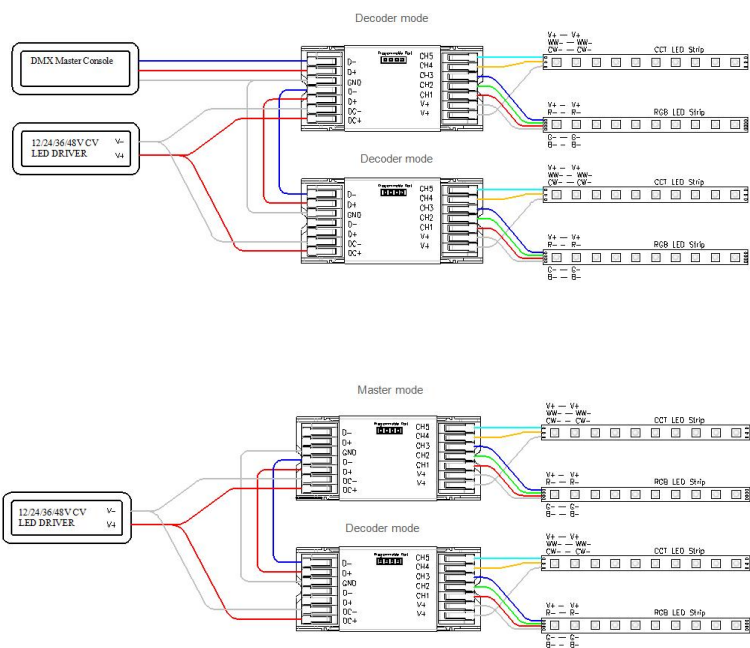
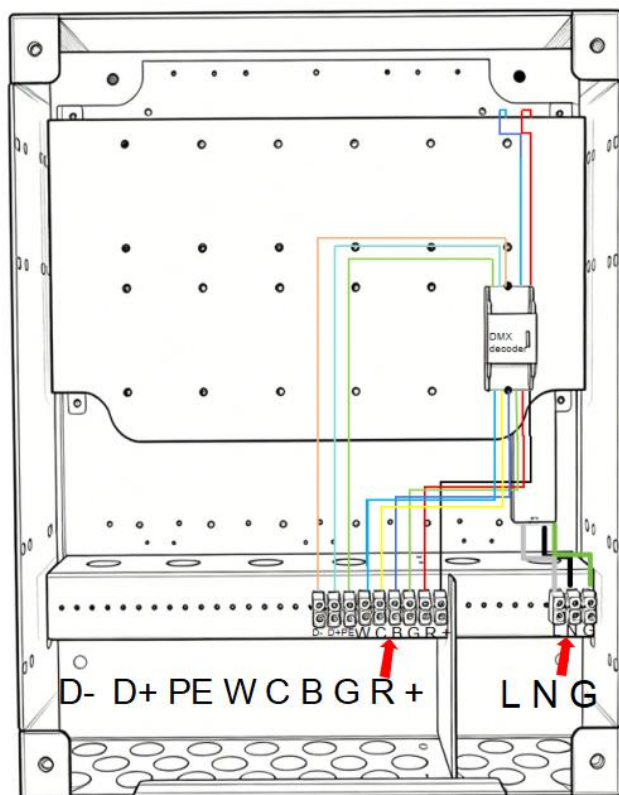
Housing



DMX Solution



DMX Wiring Diagram



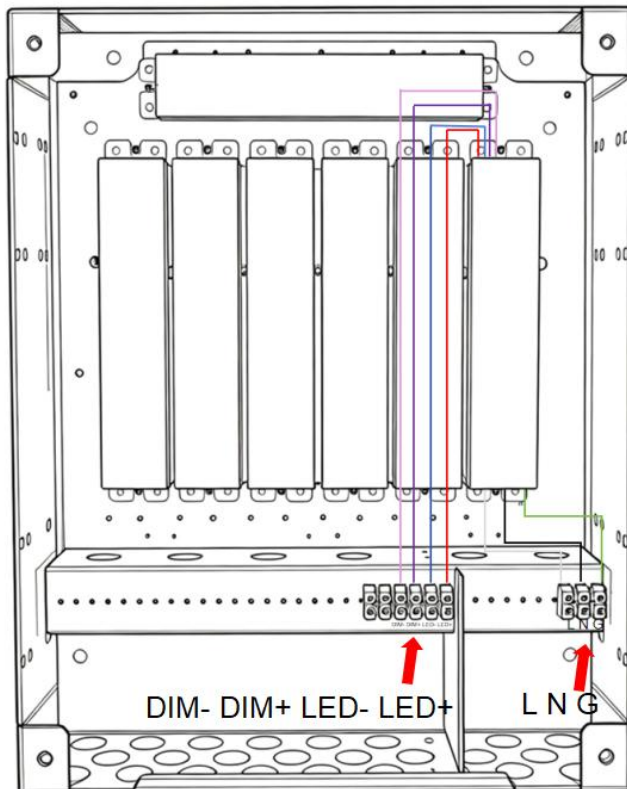
0-10V Solution



CVL-B1 series



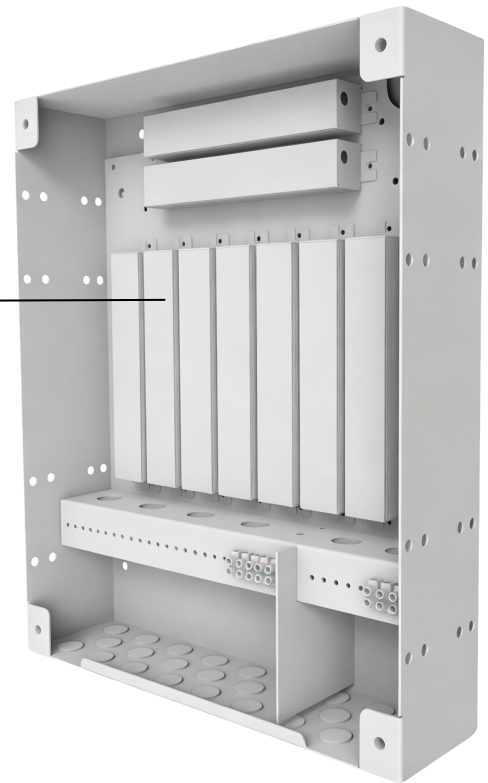
0-10V Wiring Diagram



0-10V+TRIAC/ELV Solution



CVW-A1 series



0-10V+TRIAC/ELV Wiring Diagram

