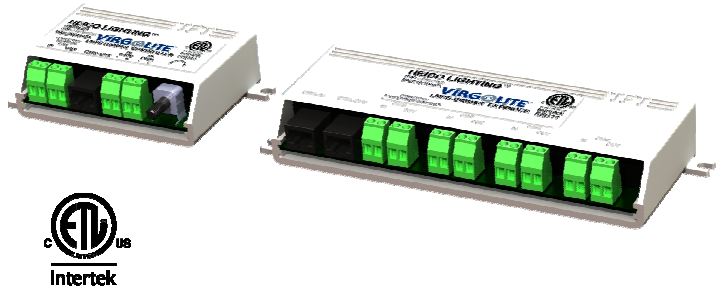


Specification Sheet - LMPS-Dimmer Controller and LMPS-Dimmer Extender



For a precise control of your visual effects

Date : _____
 Client : _____
 Project : _____
 Type : _____
 Purchase order number : _____
 Quantity : _____






Designed for the architectural industry, the **LMPS-Dimmer Controller** and the **LMPS-Dimmer Extender** are add-on products to the **HEICO lighting™ Contactless LED System** aimed to control the lighting intensity of compatible LED arrays. The LMPS-Dimmer Controller and the LMPS-Dimmer Extender can reduce energy consumption at certain times of the day; create lighting ambiances or visual effects.

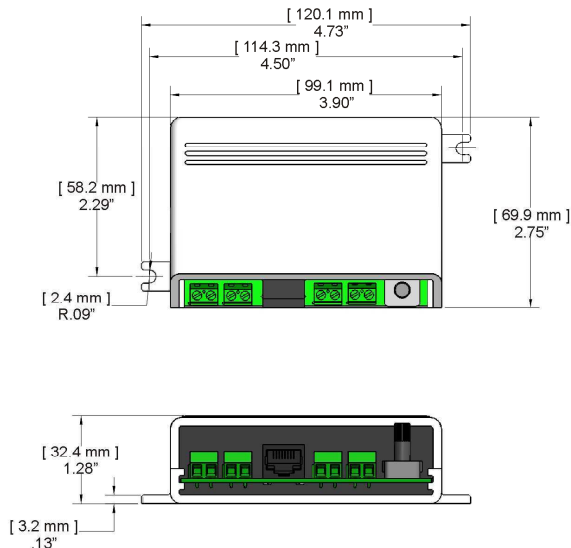
Benefits

- Industry standard control modes
- Rugged design
- 5-year warranty
- Designed and manufactured in North America

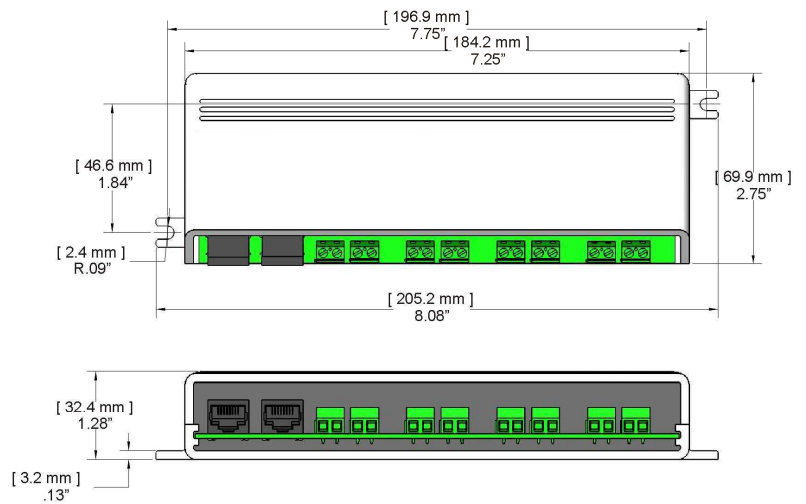
Characteristics

	LMPS-Dimmer Controller	LMPS-Dimmer Extender
“ Channel In ”	ONLY from Class 2 LMPS-350 or Class2 LMPS-DC350 (1 input)	ONLY from Class 2 LMPS-350 or Class2 LMPS-DC350 (4 inputs)
“ Channel Out ”	Class 2 output for compatible LED arrays (1 channel)	Class 2 output for compatible LED arrays (4 channels)
CTRL-OUT	RJ45 Output: Connection to optional LMPS-DIMMER Extender	RJ45 Output: Connection to LMPS-DIMMER Extender (Optional)
CTRL-IN	Not applicable	RJ45 Input: Connection from LMPS-DIMMER (Controller or Extender)
 (Potentiometer)	Manual light intensity control (0-100%)	Not applicable
IN-PWM	Pulse Width Modulation digital input (0-5V, 14 mA)	Not applicable
IN- 0-10V (voltage source)	Analog input 0-10 VDC (10 mA) standard ESTA E1.3	Not applicable
Ambient Operating Temperature	-40 °F to 122 °F (-40 °C to 50 °C)	
Operating Environment	Dry environment only	
Warranty	5 years	
Weight	0.628 lbs (285g)	1.24 lbs (563g)
Housing	White ABS Plastic	
Listings	 LED Equipment for Use in Lighting Products	Luminaires
	The LMPS Dimmer-Controller and LMPS-Dimmer Extender shall only be used with the Class 2 LMPS-350, Class 2 LMPS-DC350 and compatible LED arrays. Failure to comply will void all warranties and UL/ETL listing.	

Dimensions

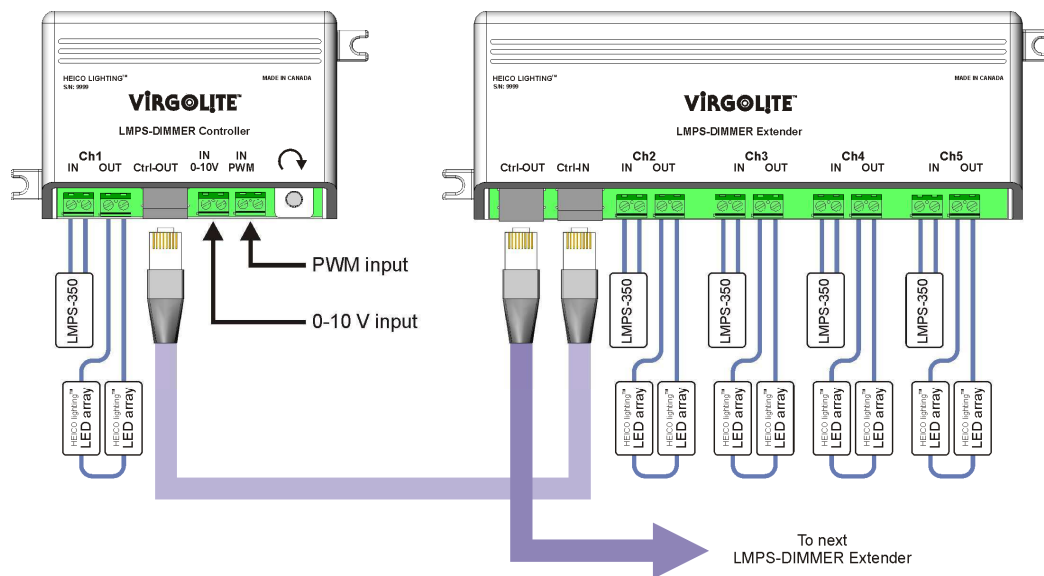


LMPS-DIMMER Controller



LMPS-DIMMER Extender

Typical System Diagram



Operation

The LMP5-Dimmer Controller offers three different control modes:

- Onboard control using the built-in potentiometer.
- External control using an analog 0-10V input line (voltage source, standard ESTA E1.3):
LMP5 output is proportional to the input voltage.
(0V = all LEDs off, 5V= 50% intensity 10V = maximum intensity).
- External control using a digital 0-5V input line (pulse width modulation).

Using additional third party decoders, animation sequences can be created (flashing, chasing, fading):

- External control using industry standard DMX512 decoder with PWM or 0-10V output (voltage source).
- External control using a compatible decoder.

Electrical Requirements

- **LMP5-Dimmer Controller:** Powered by the Class 2 LMP5-350 or Class 2 LMP5-DC350, the Controller stands between one (1) LMP5 and one (1) loop of compatible LED arrays.
- **LMP5-Dimmer Extender:** Powered by the Class 2 LMP5-350 or Class 2 LMP5-DC350, the Extender stands between up to four (4) LMP5 and up to four (4) loops of compatible LED arrays; additional Extenders can be daisy chained together. The Extender replicates the lighting pattern of the Controller to other channels; each Extender provides four (4) additional channels. Additional Extenders can be daisy chained with a patch cable, as shown in the Installation diagram
- Use with compatible LED arrays only.

Additional References

- For complete technical drawings, see technical bulletin #24 "Architectural CAD file package".
- For mandatory installation requirements, refer to the installation instructions of the LED product used.
- For more details and applicable lengths for 0-10V, PWM and expansion cable, refer to the "LMP5-DIMMER Architectural Lighting Installation Guide" (technical bulletin #11).

Order Procedure

Select your options

Description	1 - Family	2 - Model
Order code	<u>LMPS</u>	_____

Example : LMPS-CONT

Options

2 - Model

CONT - Controller
EXT - Extender

The LMPS-Dimmer Controller and the LMPS-Dimmer Extender can be used with all HEICO lighting™ LED modules.

For more information on our Virgolite™, D-LEDbar™ and clipNslide™ products, visit www.heicolighting.com

400 du Parc, Saint-Eustache
Québec, Canada, J7R 0A1
+ 1.450.491.5671
+ 1.800.665.1166