

# LIGHT MANAGER

## LED LIGHTING POWER SUPPLY



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### CHARACTERISTICS

The LIGHT MANAGER is an advanced power supply for architectural LED lighting systems. It is available in many constant voltage options: 12V, 15V or 24V. It is also equipped with a maximum adjustable brightness control as well as a primary cut-off switch for easy on-site configuration. The LIGHT MANAGER is compatible with ON/OFF switches, 0-10V dimmers, and can be linked together for group control and management.

### APPLICATIONS



Ambient operating temperature from 0°C to +40°C.

Humidity rate: 10% to 80%, non-condensing

### ELECTRICAL

#### INPUT VOLTAGE

100 - 240V.

#### INPUT CURRENT

Variable according to voltage.

#### OUTPUT VOLTAGE

12V, 15V or 24V.

#### OUTPUT POWER

12V = 60W

15V = 60W

24V = 100W

To ensure an optimal durability, do not load more than 50W at 12V - 15V and 85W at 24V.

#### DRIVE CURRENT

Constant voltage.

#### FREQUENCY

50/60Hz.

#### WIRING

Maximum distance between the LM and fixtures :  
MAX 60' (18.2 m) - 14 gage cable ;  
MAX 100' (30.4 m) - 12 gage cable.

### PHYSICAL

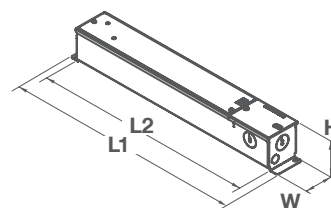
#### CONSTRUCTION

Heavy duty galvanized steel case for a compact design. Isolated electrical compartment for wiring to primary. Extra electrical knockout for wiring in parallel. Convenient primary cutoff switch.

Adjustable maximum brightness rotary switch and mode selector button for on-site adjustment and configuration.

Standard RJ45 cable used to link LIGHT MANAGERS together for group management and control.

### NOMINAL DIMENSIONS



H = 2.25 in (57.15 mm)

W = 2.25 in (57.15 mm)

L1 = 14.50 in (368.30 mm)

L2 = 13.50 in (342.90 mm)

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### FEATURES

#### WIRING COMPARTMENT

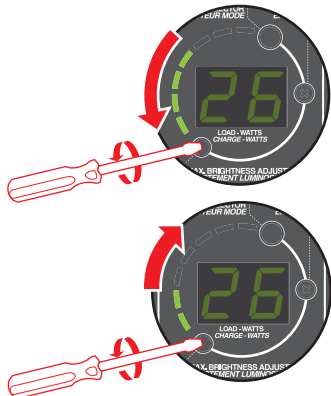
A segregated wiring compartment for easy and safe installation.

#### PRIMARY POWER SWITCH

The LIGHT MANAGER is equipped with a primary cutoff switch used to cut power locally without shutting down main circuit.

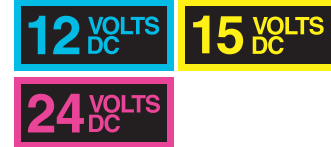
#### BRIGHTNESS ADJUSTMENT

The maximum brightness can be adjusted using the rotary switch located at the bottom of the main display. The current level is shown in real-time on the side of the main display.



#### COLORFUL IDENTIFICATION

A color-coded label clearly identifies the output voltage.



#### HANDY INFORMATION

Basic installation instructions, product information & error diagnostics are printed on the LIGHT MANAGER for quick reference.

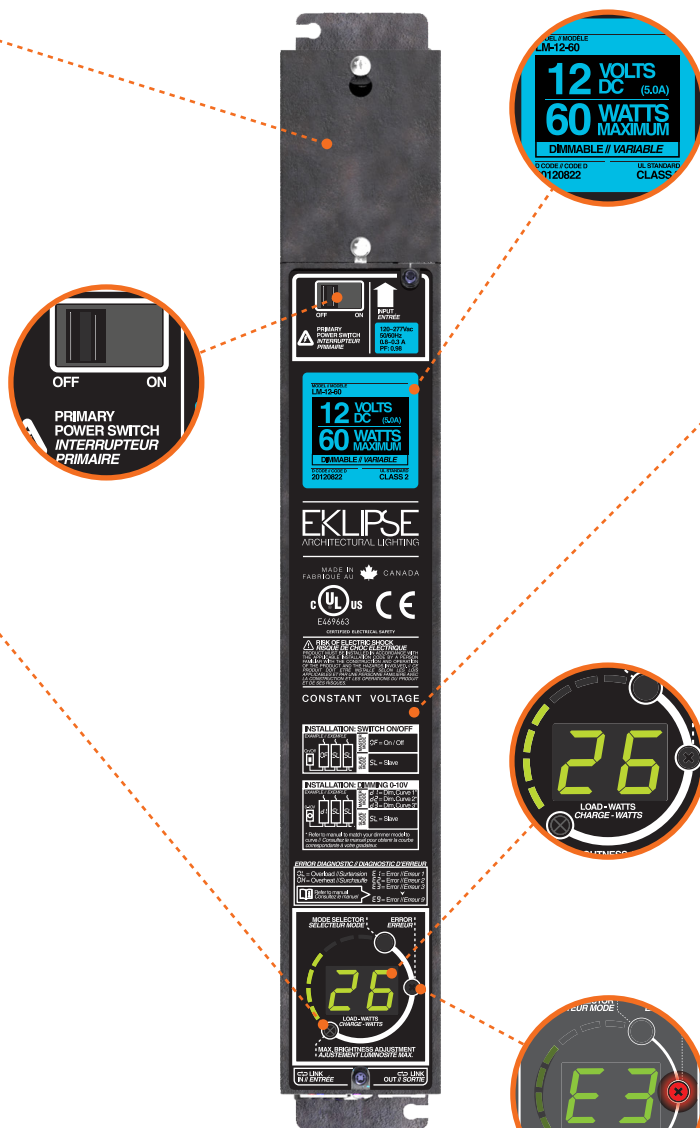
#### MANAGEMENT

The nominal power load is shown at all times on the main display.

The mode selector button, located on top of the load-watts display is used to switch between installation modes.

#### SELF-DIAGNOSIS

If at any moment a problem occurs, the error light will automatically flash and an error code will appear on the main display. Using the supplied product's manual, the problem can be quickly resolved.

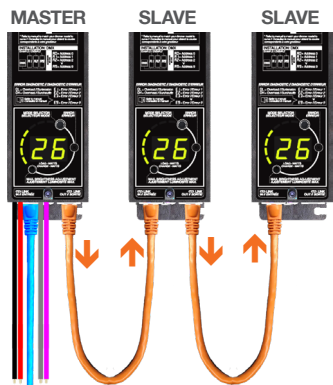


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### LINKING IT ALL TOGETHER

LIGHT MANAGERS can be linked together using a standard RJ45 cable. First, connect your Controller to the Master LIGHT MANAGER using the appropriate Mode (see COMPATIBLE INSTALLATION MODES section). Use the supplied 12 inch RJ45 cable to daisy chain the rest of the LIGHT MANAGERS. Up to 30 LIGHT MANAGERS can be daisy-chained.



**FROM CONTROLLER:**  
 - On/Off Switch (use Black & Red wires)  
 - 0-10V Dimmer (use Purple & Grey wires)  
 - DMX Console (use RJ45 wire)

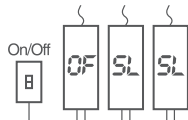


**LINK IN**  
**LINK OUT**

### COMPATIBLE INSTALLATION MODES

#### SWITCH ON/OFF

The most basic installation mode using a simple On/Off switch.

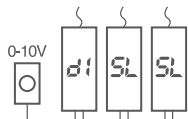


**OF** = MASTER MODE. (ON/OFF)  
**SL** = SLAVE MODE.

In this example, the ON/OFF switch is wired to the MASTER LIGHT MANAGER (set to "OF"). It will command all linked SLAVE LIGHT MANAGERS.

#### DIMMING 0-10V

Installation mode using 0-10V dimmer switch system.



**d1** = DIMMING CURVE COMPENSATION 1\*  
**d2** = DIMMING CURVE COMPENSATION 2\*  
**d3** = DIMMING CURVE COMPENSATION 3\*  
**SL** = SLAVE MODE.

In this example, the 0-10V dimmer switch is wired to the MASTER LIGHT MANAGER (set to "d1"). It will command all linked SLAVE LIGHT MANAGERS.

\* Description table for dimming curve compensation:

MODE	DIMMER MANUFACTURER	TYPICAL DIMMING CURVE	LIGHT MANAGER COMPENSATION	RESULT
D1	Leviton™ IP710-DLZ	Logarithmic Curve	Exponential Curve	Linear Curve
D2	Lutron™ NOVA-T NTFTV	Exponential Curve	Logarithmic Curve	Linear Curve
D3		Linear Curve		

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### ANATOMY OF AN EKLIPSE ORDERING CODE:

MODEL	VOLTAGE	POWER	AC PLUG TYPE
<b>LM</b>	<b>12</b>	<b>60</b>	<b>HW</b>
<b>LIGHT MANAGER</b>	12 = 12 volts 15 = 15 volts 24 = 24 volts	60 = MAXIMUM / DEFAULT at 12 volts 60 = MAXIMUM / DEFAULT at 15 volts 100 = MAXIMUM / DEFAULT at 24 volts * Power can be factory set in increments of 5 watts up to the maximum wattage allowed (see below). Default power will be set to maximum allowed.	HW = Hard-wire (default) PC = Power Cord (North America)

Final Eclipse ordering code:

**LM-12-60-HW**

### INSTALLATION NOTES



### WARRANTY

Five (5) years on parts.

### APPROVAL

Approved CSA / UL and CE.



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