

# Electronic Dimmable 12/24VDC 60W MINI CASE LineDRIVE Power Supply



Project Name	Type
Catalog #	Date

## PRODUCT OVERVIEW

LineDRIVE 12V and 24V MINI Series Electronic LED Power Supplies are Class 2 rated and designed to work with standard ELV dimmer switches. Encased in a low profile light weight aluminum enclosure. Easy to install and hardwire into many lighting applications.



## FEATURES

- Output constant voltage
- 10% to 100% dimming range (varies by dimmer and load)
- Dimmable with ELV dimmers
- Class 2 low voltage output
- IP20 design for dry and damp location
- Short circuit protection
- FCC compliant
- 5 year warranty



## SPECIFICATIONS

### ELECTRICAL

- Input: 120VAC, 50/60Hz
- Output: 60W max, 12VDC or 24VDC versions
- Load: min. 10W to max. for optimal performance

### HOUSING

- Black aluminum with flying leads
- Cooling by free-air convection

### ENVIRONMENT

- Store in a dry location

### OPERATING TEMP

- -22 to 104°F (-30 to +40°C) ambient
- Max case temperature 90°C
- 60°C case max for 95,000 hr life

### CERTIFICATION

- FCC
- UL recognized for US and Canada
- Class 2

### PROTECTION

- Over voltage and short circuit protection
- Hiccup mode, recover automatically after fault condition is removed

### WARRANTY

- 5-year warranty

## ORDERING INFORMATION

Example: LD-EDM-60-24

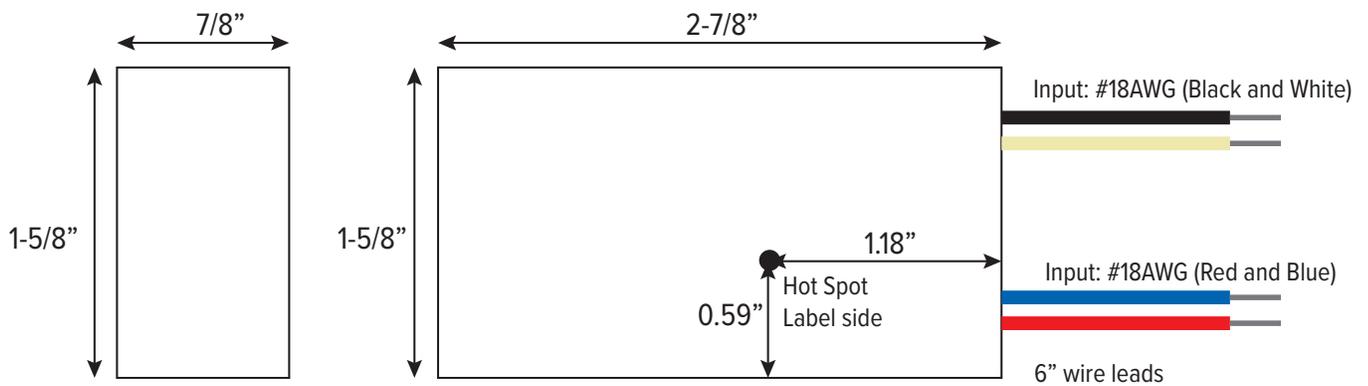
Model	Series	Watts	Voltage
LD	EDM	60	12
			24

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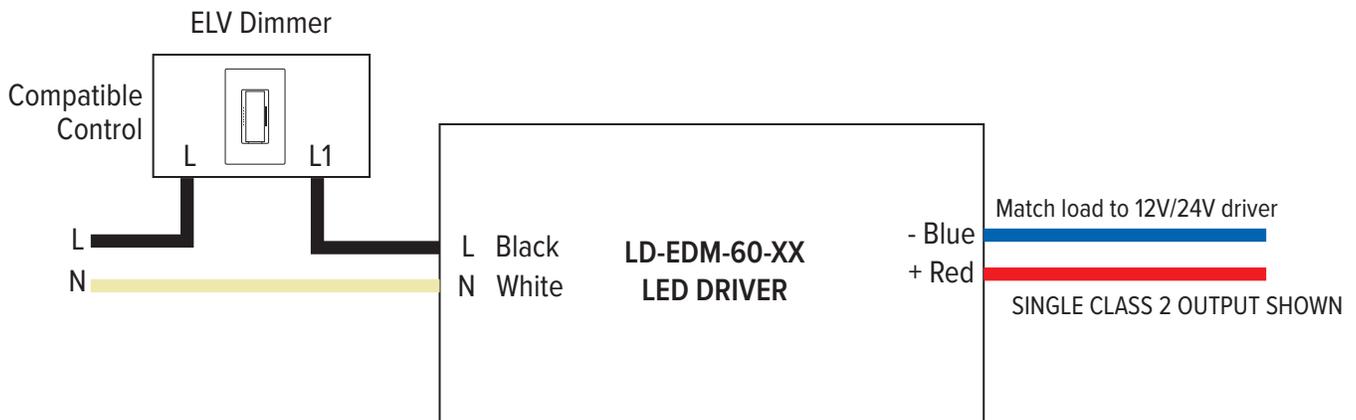


Model	Output	Input	Power Factor	Efficiency	Weight	Size (L*W*H)
LD-EDM-60-12	60W / 12VDC / 5A	120VAC, 0.56A, 60Hz	>0.9 (50-100% load)	>90% (50-100% load)	0.37lbs (170g)	2.88"L x 1.57"W x 0.87"H (73*40*22mm)
LD-EDM-60-24	60W / 24VDC / 2.5A	120VAC, 0.56A, 60Hz	>0.9 (50-100% load)	>90% (50-100% load)	0.37lbs (170g)	2.88"L x 1.57"W x 0.87"H (73*40*22mm)

## DIMENSION



## WIRING DIAGRAM



# Electronic Dimmable

## 12/24VDC 60W MINI CASE

### LineDRIVE Power Supply



#### DIMMING OPERATION

- Compatible with ELV and reverse phase dimmers.
- Try to use dimmers with a capacity at least 2.5 times as the output power of the driver.
- See Compatible Dimmers list below.

#### WARNING

- Do not reverse polarity.
- Risk of Fire. Consult a qualified electrician for installation. Install per local and NEC electrical codes.
- Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.

#### COMPATIBLE DIMMERS

Dimmer	LD-EDM-60-12	LD-EDM-60-24
LUTRON MA-CL-153M	✓	✓
LEVITON DSE06-10Z	✓	✓
LUTRON MA-PRO *1,2,3	✓	✓
LEGRAND RH703 *1,3	✓	✓

#### LED LOAD COMPATIBILITY NOTES:

For use with COB LED tapes  
(i.e. LTR-S-COB and LTR-S-COB-WP series)

#### Dimmer Notes:

Recommended settings for optimal dimming performance.

\*1 Adjust low end trim to improve dimmed output performance as needed.

\*2 Adjust high end trim to improve high output performance as needed.

\*3 Adjust phase dimming to Auto or ELV to improve overall dimming.

**Performance of the Dimmers may vary within the same series or with different LED load types. Other dimmers may be compatible. Compatibility List may change without prior notice.**