

## **LEDDC-60W Series- Fixed Output & Dimmable**

AC or DC Input Switch Mode LED Drivers Constant Current & Constant Voltage Output with Isolation Black Magic Thermal Advantage™ Aluminum Housing

### **Electrical Specifications**

Input Voltage Range: 100-277 Vac Nom. (90-305 V Min/Max),

08-250 Vdc

Frequency: 50/60 Hz Nom. (47-63 Hz Min/Max)

Power Factor: >0.90 @ full load, 100V through 277V

Inrush Current: <30.0 Amps @ 230 Vac, cold start 25°C, max load

Input Current: 0.90 Amps max

Maximum Power: 60W

Current Accuracy: ± 2% Over input line variation

Load Regulation: ± 3%

THD: ≤ 20% @ full load

Leakage Current: 400 µA Typical

Hold Up Time: Half Cycle

Protection: Output Over-Voltage, Output Over-Current, and

Output Short Circuit Protection reset by power cycling

## **Environmental Specifications**

Minimum Starting Temp: -30°C
Maximum Case Temp. 90°C

UL Type TL Rating: Non-Class 2: 90/51°C
Storage Temperature: -40°C to +85°C
Humidity: 5% to 95%
Cooling: Convection

Vibration Frequency: 5 to 55 Hz/2g, 30 minutes

Impact Resistance: 1g/s

MTBF: 418,000 Hours at full load and 40°C ambient conditions

per MIL-217F Notice 2

EMC: FCC 47CFR Part 15 Class B compliant

Class A



• Total Power: 60 Watts

• Input Voltage: 100-277 Vac Nom. or 108-250 Vdc

UL Dry & Damp Location Rated

IP66 & NEMA13High Power Factor

• UL8750, EN61347, CSA 22.2

• EN61000-3-2, EN61000-3-3 Class C

UL Type HL Rated for Hazardous Locations

#### Ordering Options:

Sound Rating:

 -D: 0-10V & Resistance dimmable version comes with an extra two wires +Purple/-Gray on the output side. -D 0-10V Dimming is compatible with most quality 0-10V wall dimmers and direct 0-10V analog signal. See page 3 for additional specifications.

Constant Current - Product Specifications						
Model Number	Output Current (mA ±3%)	Output Voltage Range (Vdc)	Max. Output Power (W)	Typical Efficiency		
LEDDC60W-086-C0700-XX	700	28-86	60	92%		

-XX indicates dimming options are available. See options at left. Blank = fixed current output

Constant Voltage - Product Specifications						
Model Number	Output Voltage (Vdc ±5%)	Output Current Range (mA)	Max. Output Power (W)	Typical Efficiency		
LEDDC60W-086	86	175-700	60	92%		



#### Note:

LED drivers are designed and intended to operate LED loads only. Non-LED loading may be outside the specified design limits of our LED drivers, and therefore cannot be covered by any warranty. If you desire to use our LED drivers to operate non-LED loads please contact us to discuss compatibility.

Specifications subject to change without notice.

Rev 10-13-16

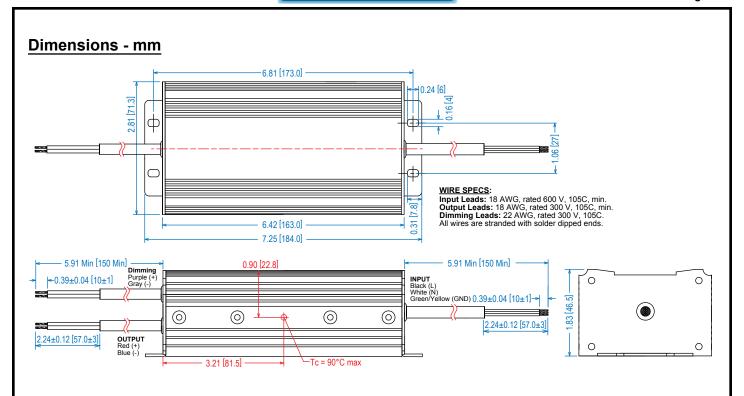


#### **LEDDC60W Series**



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Pg 2 of 3



Safety Cert.	Standard
UL/CUL	UL8750
CSA	22.2
CE	EN61347
EMC Standard	Notes
EN61000-3-2	
EN61000-3-3	Class C
FCC, 47CFR Part 15	Class B

# **UL Conditions of Acceptability**

See website for additional information

Pg 3 of 3

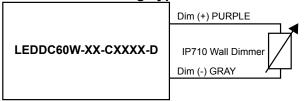


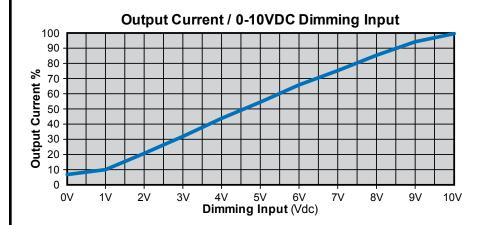
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# "-D" Option: 0-10VDC and Resistance Dimming

Parameters	Minimum	Typical	Maximum
Source Current out of 0-10V Purple Wire	0mA	_	10mA
Absolute Voltage Range on 0-10V (+) Purple Wire	-2.0V	_	+15V

### **Resistance Dimming Typical Circuit**





#### Notes:

- 1. 0-10V dimmable version comes with an extra two wires +Purple/-Gray on the output side.
- 2. Compatible with most 0-10V Wall Slide dimmers and direct 0-10V analog signal. Recommended dimmer is Leviton IP710 or equivalent
- 3. 0-10V dimmable version is not intended to dim below about 5% @ 0V or 10% @ 1.0V
- 4. 0-10V dimmable version output will be 100% with Purple/Gray open and minimum with Purple/Gray Shorted.