LEDDR Series Emergency LED driver

Convert new or existing LED fixtures into emergency lighting units with constant power emergency LED drivers



Housing
- Galvanized steel steel construction
- LED illuminated remote test switch

Mounting
- Suitable for installation on top or remotely (up to 20 feet)

Lamp types
- LED lamps with 20VDC to 50VDC operating voltage
- Can be wired for normally-on, normally-off or switched loads
- Lumen output depends on LED light source efficacy (Lumens/watts)

Electronics
- Universal 120/277, 50/60Hz input
- Provides 90 minutes of emergency operation
- Surge protection: per C62.41 (TVS)
- Output classification: Class 2 compliant
- Output and input overcurrent protection
- Constant power supply in emergency mode

Battery
- Long-life maintenance-free rechargeable nickel-cadmium battery
- 24 hour battery recharge time

Approvals
- Damp location listed 32°F to 125°F
- UL classified for field or factory installation
- UL 924 approved, NFPA 101 Life Safety Code, NEC, and OSHA

Warranty (subject to proper installation and maintenance)
- Unit has a five year warranty
  Detailed warranty terms located on page 202 or online at:
  www.emergi-lite.com/usa/files/EL_Warranty.pdf

Important note

LEDDR SERIES system coordination guidelines

These guidelines were developed to allow the lighting system designer/specifier to predict the operating performance levels of LED luminaires when powered by an electrically compatible LEDDR Series model. It is ultimately the responsibility of the designer/specifier to ensure that the as installed system delivers code-compliant path of egress illumination.

1. Determine electrical compatibility

a. Verify that the Luminaire LED Driver, where applicable, is Class 2 compliant.
b. Verify that the Luminaire LED Lamp(s) have an operating voltage between 20Vdc and 50Vdc.
c. Verify that the Luminaire LED Lamp(s) have a power rating equal to, or greater than, the emergency power rating of the LEDDR model under consideration.

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Calculate lumen output during emergency operation

- Lumen output= Efficacy (Lumen/watt) X emergency LED driver wattage
- In order to understand luminaire efficacy:
  - Access luminaire data by logging onto Design Lites Consortium **www.designlights.org**
  - Select 'Search the DLC Qualified Product List' on the DLC homepage
  - Enter manufacturer name and P/N of luminaire under consideration in the 'search by keyword' text window
  - Select 'Search' tab to open the 'Qualified Products List'
  - Determine luminaire lumens per watt efficacy in 'Rated Data' specifications
  - Multiply luminaire lumens per watt by emergency output of the 'LED Driver' model under consideration

Electrical information

Series	Output	Input
LEDDR-7	7W	4.8W
LEDDR-17	17W	7.9W

How to order

Series	Wattage
LEDDR-	7 17
Example: LEDDR-7	

Dimensions

Dimensions are approximate and subject to change.

Series	Length	Width	Height
LEDDR-7	15.35"	2.63"	1.48"
LEDDR-17	19.19"	2.63"	1.48"