

LEDDR Series Emergency LED driver

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



Housing

- High impact thermoplastic enclosure, 5VA flame retardant in black finish
- LED illuminated remote test switch

Mounting

- Suitable for installation on top or remotely (up to 50 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
- 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

- Verify that the Luminaire LED Driver, where applicable, is Class 2 compliant.
- Verify that the Luminaire LED Lamp(s) have an operating voltage between 20Vdc and 50Vdc.
- 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.

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-5	5W	3.9W
LEDDR-7	7W	4.8W
LEDDR11	11W	5.7W
LEDDR-14	14W	6.9W
LEDDR-17	17W	7.9W

Dimensions

Dimensions are approximate and subject to change.

Series	Length	Width	Height
LEDDR-5	11.46"	2.63"	1.48"
LEDDR-7	15.35"	2.63"	1.48"
LEDDR11	15.35"	2.63"	1.48"
LEDDR-14	19.19"	2.63"	1.48"
LEDDR-17	19.19"	2.63"	1.48"

How to order

Series	Wattage
LEDDR-	5
	7
	11
Example: LEDDR-7	14
	17