

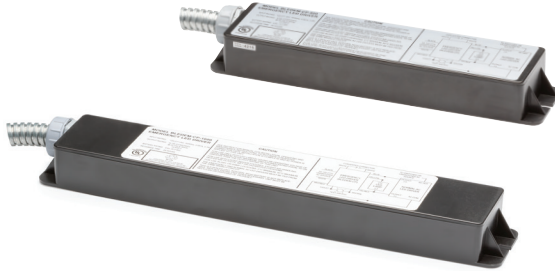


CONTRACTOR:	
PROJECT:	DATE:
PREPARED BY:	MODEL#: LMX800/1600

DESCRIPTION

LMX Series

The LMX Series from TamLite is an LED Emergency Ballast that allows you to Field Install an Emergency Battery back up on your already existing LED Fixture to provide emergency lighting for at least 90 minutes. The LMX Series requires access to an external driver, an input load of 20V to 50V DC and a LED Fixture wattage higher than the LMX Ballast being used. The max emergency lumen output of the emergency ballast is based off of the efficacy or lumens per watt of fixture. (The Max Lumen Output of the LMX series is based on an efficacy of 160 LPW)



CONSTRUCTION/WARRANTY

Housing

Injection-molded, engineering grade, 5VA flame retardant, high-impact resistant, thermoplastic in a black finish.

Test Switch

LED illuminated and remote mounted test switch.

Listings

UL Listed for factory or field installation. Suitable for damp locations. Meets UL924, cULus, NFPA 101 Life Safety Code, NEC, OSHA, Local and State Codes.

Warranty

Guaranteed for five years from the purchase date of the product, against mechanical defects in manufacturing.

ELECTRICAL SPECIFICATIONS

Battery Type: Rechargeable Ni-Cad

Low Voltage Disconnect prevents battery from deep discharge

Operating Voltage: 120/277

Emergency Illumination: Minimum 90 Minutes

LED Indicator: Charge rate/power "ON" and push to test switch

Frequency: 50/60Hz

Battery Recharge Time: 24 Hours

Battery Discharge Time: 1.5 Hours

Operating Temp.: 0°C ~ 50°C

Input Wattage: 800 : 3.9W | 1600 : 5.7W

Surge Protection: Per C62.41 (TVS)

Operation: Normally-on, Normally-off, Switched load

Input Overcurrent Protection: Fusible link

Output Wattage: 800 : 5.0W | 1600 : 10.7W

Input Amperage: 800 : 0.061A | 1600 : 0.087A

Output Voltage: 800 : 20-50Vdc | 1600 : 20-50Vdc

Output Lumens: 800 : 800 Lm | 1600 : 1700 Lm

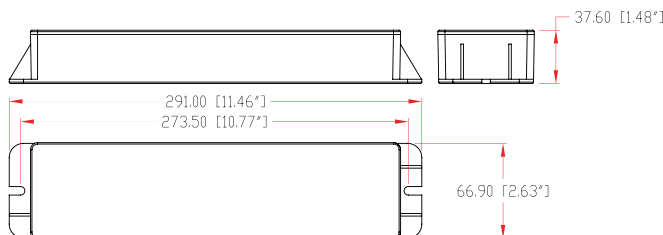
Output Short/Overcurrent: Electronic limiting, with normal operation resuming upon removal of fault

Output Classification: Class 2 Compliant

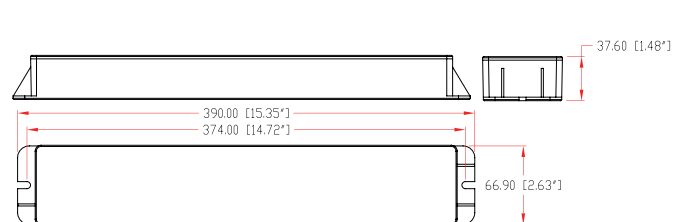
Output Current: 800 : 250-100mA | 1600 : 535-214mA

LINE DRAWING

LMX 800



LMX 1600





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ORDERING INFORMATION

LMX	800
SERIES	SIZE
LMX	[800] : 800 Lumens
	[1600] : 1600 Lumens

NOTES

LMX 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 LMX Series model. It is ultimately the responsibility of the Designer/Specifier to insure 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 LMX model under consideration. Please refer to Table 1.

2) Calculate Lumen Output During Emergency Operation

- A) Access luminaire data by logging onto Design Lites Consortium (www.designlights.org).
- B) Select "Search the DLC Qualified Product List" on the DLC homepage.
- C) Enter manufacturer name and P/N of luminaire under consideration in the "search by keyword" text window.
- D) Select "Search" tab to open the "Qualified Products List".
- E) Determine luminaire Lumens per Watt efficacy in "Rated Data" specifications.
- F) Multiply luminaire Lumens per Watt by Emergency Output of the LMX model under consideration. Please refer to Table 1. This figure is the Lumens available from the luminaire during emergency operation.

3) Determine Suitability of Means of Egress Lighting Levels

- A) Using industry standard lighting design software, along with IES files for the luminaire under consideration, verify that the as installed available Lumens (as calculated in 2F above) are sufficient to meet Code-compliant path of egress illumination levels.

MODEL	OUTPUT POWER (Constant)
LMX800	5.0 Watts
LMX1600	10.7 Watts