

MODEL :		TYPE
PROJECT :		
PREPARED BY :	DATE :	

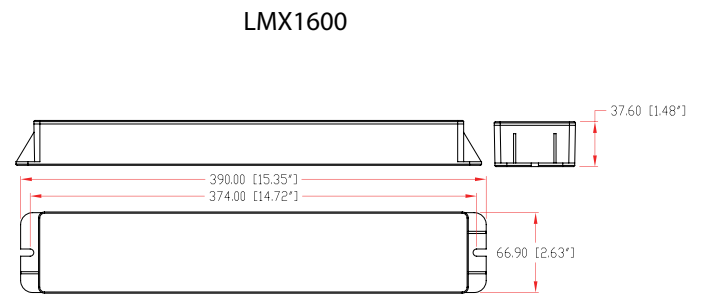
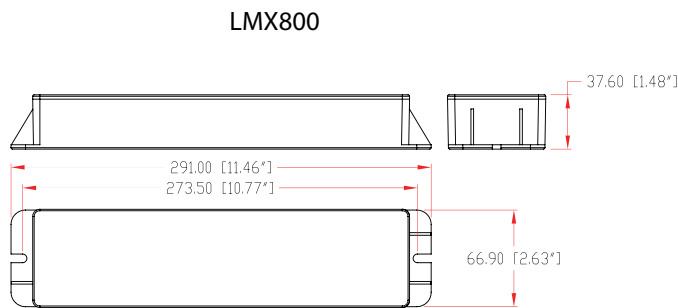
SERIES SPECIFICATIONS

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.



LINE DRAWING



CONSTRUCTION

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.

ELECTRICAL SPECIFICATIONS

Battery Type
Rechargeable Ni-Cad

Emergency Illumination
Minimum 90 Minutes

Battery Recharge Time
24 Hours

Low Voltage Disconnect
Prevents battery from deep discharge

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

Battery Discharge Time
1.5 Hours

Operating Voltage
120/277

Frequency
50/60Hz

Operating Temp.
0°C ~ 50°C

MODEL :		TYPE
PROJECT :		
PREPARED BY :	DATE :	

ELECTRICAL SPECIFICATIONS

Input Wattage

800 : 3.9W
 1600 : 5.7W

Input Amperage

800 : 0.061A
 1600 : 0.087A

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

Surge Protection
 Per C62.41 (TVS)

Input Overcurrent Protection
 Fusible link

Output Classification
 Class 2 Compliant

Operation
 Normally-on, Normally-off,
 Switched load

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

Output Current
 800 : 250-100mAdc
 1600 : 535-214mAdc

Output Wattage
 800 : 5.0W
 1600 : 10.7W

Output Lumens
 800 : 800 Lm
 1600 : 1700 Lm

CERTIFICATIONS/WARRANTY

Listing
 UL Listed for factory or field installation

Compliance
 Meets UL924, cULus, NFPA 101 Life Safety Code, NEC,
 OSHA, Local and State Codes.

Location Rating:
 Suitable for damp locations

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

ORDERING INFORMATION

Sample Part Number: LMX800

LMX	
SERIES	LUMENS
LMX	[800] : 800 Lumens
	[1600] : 1700 Lumens

MODEL :		TYPE
PROJECT :		
PREPARED BY :	DATE :	

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.

TABLE 1	
MODEL	OUTPUT POWER (Constant)
LMX800	5.0 Watts
LMX1600	10.7 Watts