

# TOUCHSCREEN INJECTOR

LMTI-100-120, LMTI-100-277

Plenum-rated enclosure translates DLM's in-room bus (IRB) protocol and provides Power over Ethernet (PoE) to support one or two LMEQ-41 touchscreens

No configuration needed



Clearly marked PoE Ethernet and DLM Cat 5e RJ45 connections simplify contractor installation

120 volt and 277 volt models

Hinged mounting plate for quick and easy installation



## DESCRIPTION

Wattstopper's DLM Touchscreen Injector (LMTI-100-xxx) is a power source for up to two DLM system touchscreens (LMEQ-41). It provides ultimate flexibility to the area by converting the communication protocol of the space's in-room bus (IRB) and supplies Power over Ethernet using either a 120VAC or 277VAC feed. Without the need for a separate controller or complex programming, the LMTI-100, combined with the LMEQ-41, provides the end user with an elegant way to control the lighting system in the space.

## OPERATION

The LMTI-100 provides Class 2 power to the LMEQ-41 touchscreen via PoE ports on the LMTI-100. Installers can use the hinged mounting plate on the device to install it above the ceiling, close to the room/area where the touchscreen will be mounted. It connects to a line voltage power feed of either 120VAC or 277VAC and mounts to a 4"square or 4-11/16" J-Box. Once powered up, DLM's trademark PnG™ capability automatically configures system components, including the basic UI on the touchscreen, for the most energy-efficient operation.

## APPLICATIONS

The LMTI-100 is ideal for DLM offices, education, and healthcare spaces where layered, dimmable, and tunable white lighting is desired through LMEQ-41 touchscreen control.

## FEATURES

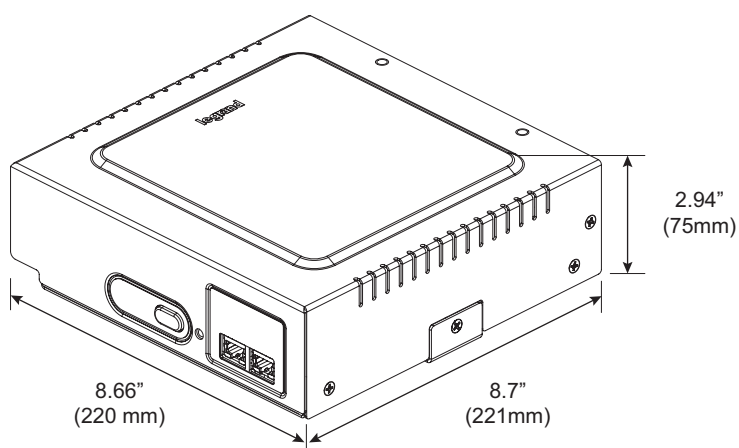
- Allows DLM rooms to power one or two touchscreens without the need for a separate controller or complex programming
- Converts the communication protocol of the IRB to PoE
- Options for 120VAC or 277VAC applications
- Elegantly eliminates the wall clutter of multiple dimmers and switches that can occur in spaces with multiple lighting zones that require individual load control
- This product meets the materials restrictions of RoHS

PROJECT		LOCATION/ TYPE	
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## SPECIFICATIONS

- Input Voltage
  - LMTI-100-120: 120/230VAC, 50/60HZ (230VAC single phase only)
  - LMTI-100-277: 277VAC, 50/60HZ
- Output Voltage
  - LMTI-100-120: 48V @ 36.3W
  - LMTI-100-277: 50V @ 41.1W
- PoE Output Ports: 2 (per IEEE802.3af)
- IRB Ports: 2 (24VDC @ 8mA)
- Operating Temperature: 32 to 122°F (0 to 50°C)
- Storage Temperature: -4 to 158°F (-20 to 70°C)
- Relative Humidity: 10-95% Non-Condensing
- Ratings: UL508 / UL244A / UL2043 Plenum Rated

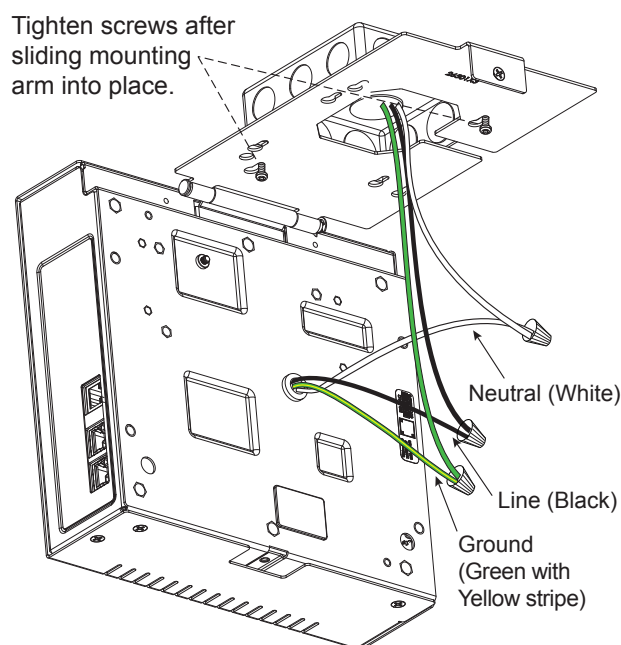
## PRODUCT DIMENSIONS



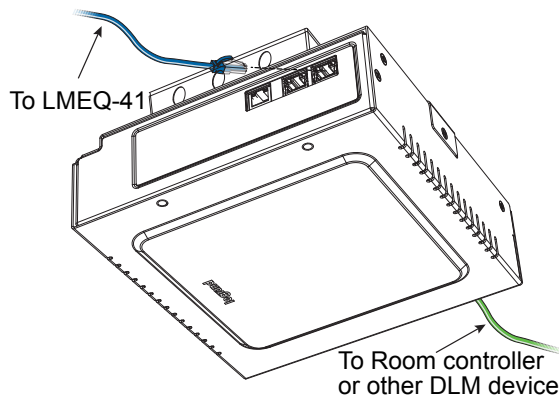
## INSTALLATION AND WIRING

### Wiring the LMTI

1. Attach mounting plate to 4" square or 4-11/16" J-Box
2. Attach LMTI-100-xxx to mounting plate via hinge
3. Verify circuit power is OFF and terminate line voltage connections (ensuring LMTI is fed by a constant hot circuit)
4. Secure body of the LMTI to the mounting plate
5. Power up LMTI's line voltage circuit



## Connecting the LMTI to the Room Controller and Other DLM Devices

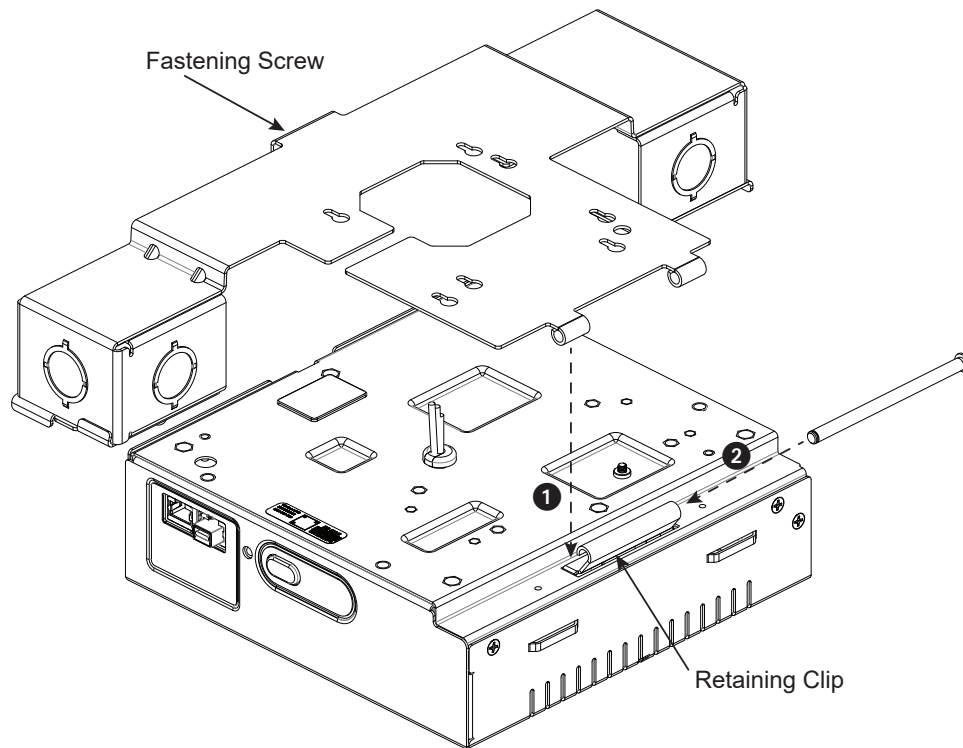


**NOTE:** Ensure the Ethernet cable to the LMEQ-41 is plugged into one of the two PoE ports (the non-PoE Ethernet port is used only to upgrade device firmware).

Also ensure the Cat 5e DLM IRB is plugged into one of the two local DLM device ports next to the Config Button. Two ports are furnished to allow In and Out connection to other DLM devices in the room.

## Installation Overview When Attaching the LMTI-CA Conduit Adapter to the LMTI-100

**NOTE:** For more details on the installation of the adapter, see the LMTI-CA installation instructions



## ORDERING INFORMATION

Catalog #	Description	Voltage
■ LMTI-100-120	Lighting Management Touchscreen Injector 120V	120/230VAC
■ LMTI-100-277	Lighting Management Touchscreen Injector 277V	277VAC
■ LMTI-CA	LMTI-100 Conduit Adapter	
■ LMEQ-41	Lighting Management Equinox 41 LCD Touchscreen	48VDC via LMTI-100 PoE Injector