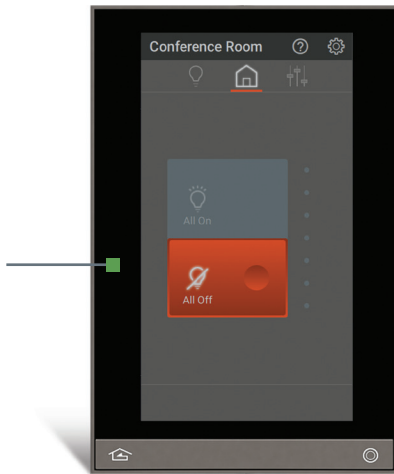# DLM 4.3" TOUCHSCREEN

LMEQ-41

Always-on backlit LCD touchscreen with capacitive touch interface

Incorporates control from multiple devices into a single, sleek, multi-layered touchscreen

Simple, single button control of the entire space on entry with the room button

Automatically configures room without programming!

Easily control both traditional or Blanco™ tunable lighting loads

Glass to edge hardware aesthetic with an elegant graphical user interface

Supports up to 16 unique scenes

Custom image and pin-enabled lock screen

Programmable tactile switch can provide traditional "on" or "off" function, personalized scene control, etc.

DESCRIPTION

The LMEQ-41 is an LCD capacitive touchscreen for the DLM system that helps customers meet code out of the box without programming, by adhering to Wattstopper's Plug n' Go™ (PnG) rules. The professional, predefined interface provides whole room, lighting, scene control, and tunable-white control through Equinox user interface widgets (see page 4).

If a project includes Blanco™ tunable white lighting, the LMEQ-41 automatically provides an additional widget that can adjust the lighting's intensity and color temperature level. Additionally, users and installers alike will appreciate the dynamic labeling that identifies a button and/or scene's functionality with clear, user-defined text.

OPERATION

LMEQ-41 leverages DLM's PnG™ functionality for built-in simplicity. A Touchscreen Injector (LMTI-100-120, LMTI-100-277) is necessary to convert DLM's in-room Bus communication protocol into Ethernet, and uses Power over Ethernet (PoE) to power up to two touchscreens per room. Two LMEQ-41s and one LMTI-100 can be installed per DLM room. The LMEQ-41 firmware is field upgradeable from the touchscreen to provide the optimal user experience throughout the entire life of the product.

APPLICATIONS

The LMEQ-41 is ideal for office buildings (particularly open offices and executive suites), conference rooms, college classrooms, and healthcare spaces where layered, dimmable, and Blanco™ tunable white lighting is installed. The LMEQ-41 is not applicable for partitioned rooms and network groups.

| PROJECT | | LOCATION/ TYPE | |

L'1 legrand

FEATURES - HARDWARE

- 4.3" LCD panel with capacitive touch interface

- Active proximity sensors for approach and auto sleep modes

- Uses a 4" square metal junction box with a single gang mud ring - or a low-voltage bracket

- Black glass-to-edge surface aesthetic, titanium colored frame

- Cat 5e Ethernet connectivity and powered over PoE

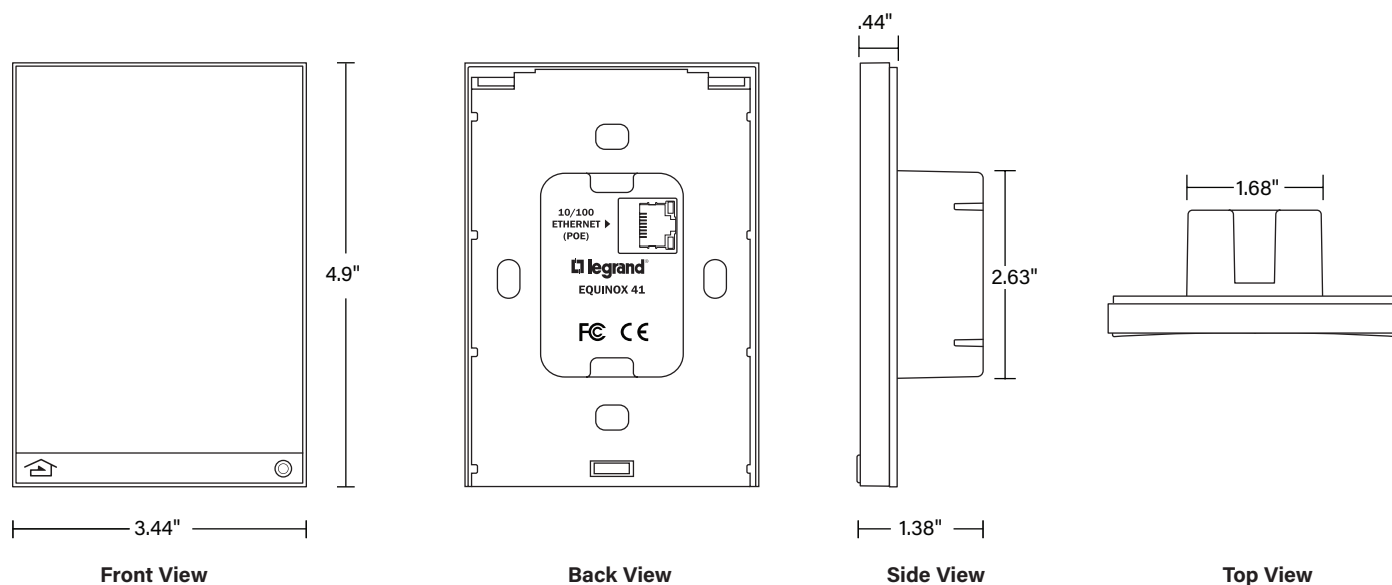- Ambient light sensor for auto day/night screen backlighting

FEATURES - SOFTWARE

- Automatic PnG™ functionality means no special programming required out of the box for initial configuration

- Dynamic labeling identifies on-screen button functionality

- Unique scenes, lighting, room, and HCL user interfaces via easy to use Equinox "widgets"

- Dynamically updated feedback based on system status

- Scene creation and editing capability provides flexible control to the facility manager

- Tap, swipe, press and hold to navigate on-screen

- Settings menu allows for personalized control functions

- Field upgradeable firmware

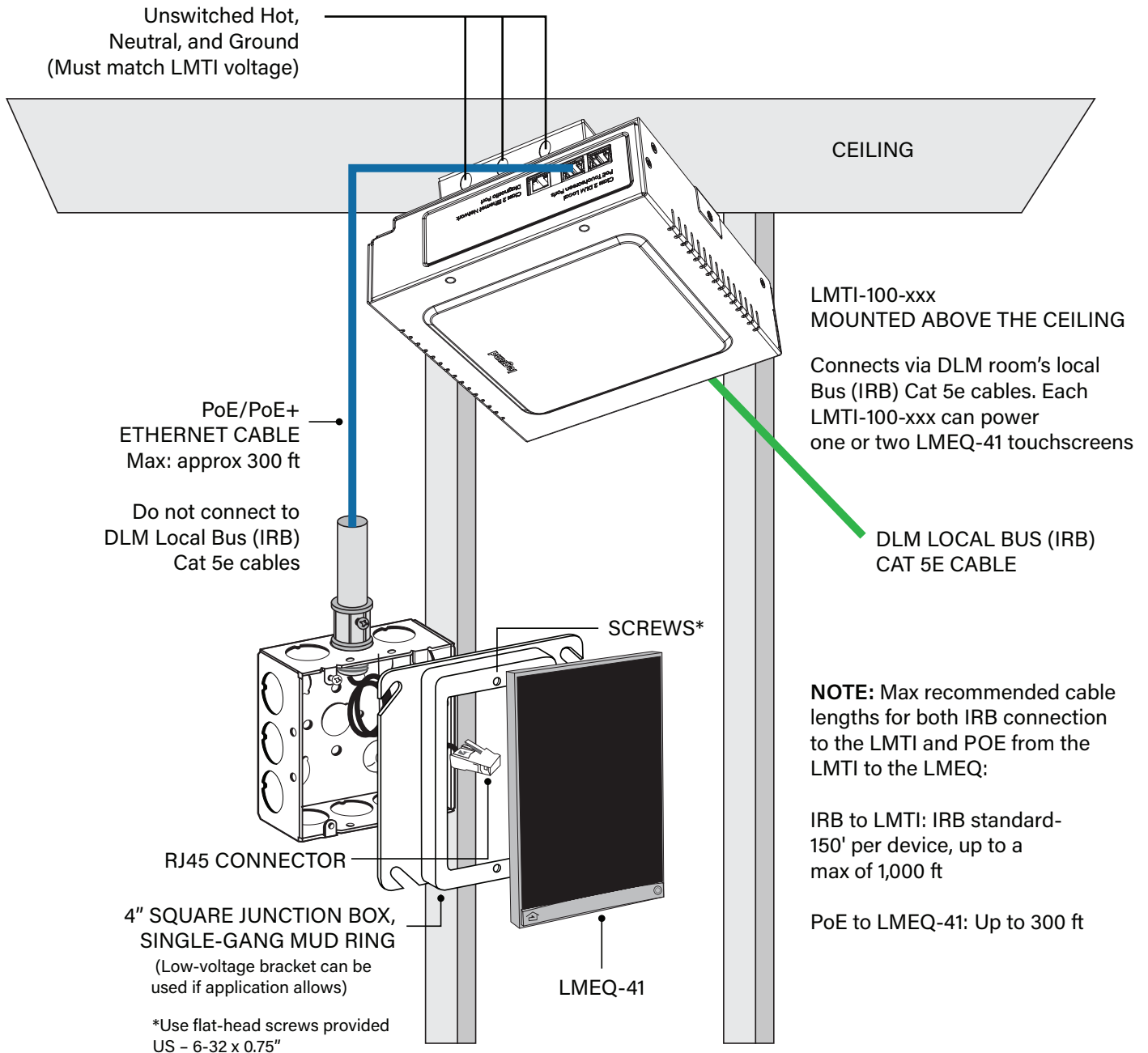- Custom image and pin-enabled lock screen

SPECIFICATIONS

- Model: LMEQ-41

- Weight: 1.6 lbs (726 g)

- Dimensions, LWD: On-wall Surface: 4.9" x 3.44" x 0.44" (124mm x 87mm x 11mm), Overall: 4.9" x 3.44" x 1.38" (124mm x 87mm x 35mm)

- Display: Active matrix color LCD

- Display Size: 4.3" Diagonal

- Display Resolution: 480 x 272 pixels "high bright"

- Hard Buttons: Left-Home; Right-Programmable

- Power: 48VDC via PoE (via separate LMTI-100-xxx)

- Surge Suppression: Yes

- Sound Option: Adjustable volume level for touch interaction

- Wiring Connections: Ethernet RJ45

- Addressing: Self addressing

- Finishes: Trim: Titanium paint finish Touchscreen: Black glass

- Glass Surface: Chemically strengthened

- Ambient Operating Temperature: 32°F - 95°F (0°C - 35°C)

- Ambient Operating Humidity: 5-95% non-condensing

- Certification: CE, FCC, RoHS

- System Compatibility: DLM

- Warranty: 5 Years

MULTI-VIEW LINE DRAWINGS

| Front View | Back View | Side View | Top View |

INSTALLATION AND WIRING DIAGRAM

Electrical contractor to provide (1) Ethernet cable to LMTI-100-xxx from each LMEQ-41 (2 max per LMTI-100-xxx). Per Ethernet standards, the max length is approximately 300 feet per LMTI to each LMEQ-41.

Unswitched Hot, Neutral, and Ground (Must match LMTI voltage)

CEILING

LMTI-100-xxx
MOUNTED ABOVE THE CEILING

Connects via DLM room's local Bus (IRB) Cat 5e cables. Each LMTI-100-xxx can power one or two LMEQ-41 touchscreens

PoE/PoE+
ETHERNET CABLE
Max: approx 300 ft

Do not connect to
DLM Local Bus (IRB)
Cat 5e cables

DLM LOCAL BUS (IRB)
CAT 5E CABLE

SCREWS*

NOTE: Max recommended cable lengths for both IRB connection to the LMTI and POE from the LMTI to the LMEQ:

IRB to LMTI: IRB standard-150' per device, up to a max of 1,000 ft

PoE to LMEQ-41: Up to 300 ft

RJ45 CONNECTOR

4" SQUARE JUNCTION BOX,
SINGLE-GANG MUD RING
(Low-voltage bracket can be used if application allows)

LMEQ-41

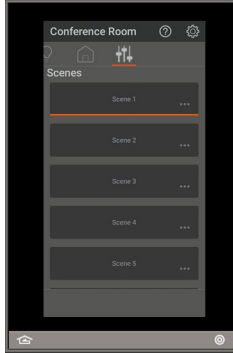*Use flat-head screws provided
US – 6-32 x 0.75"

LMEQ-41 EQUINOX WIDGET OPTIONS

A widget is a software application embedded in the LMEQ-41 touchscreen that controls and communicates with devices in the room. For example, a lighting widget allows for control of lighting intensity levels. Widgets allow intuitive system navigation and control by users and provide the power for personalization, allowing users to adapt the system to their changing environment.
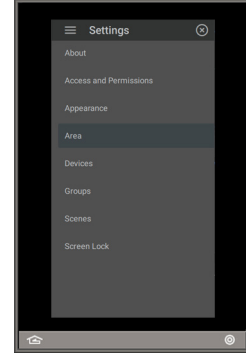
Main Screen / Room Button

The LMEQ-41's default screen provides access to a simple room button which controls all the lights within the room. A visual indicator line of LEDs shows the average light status of all the lights in the room for convenience.
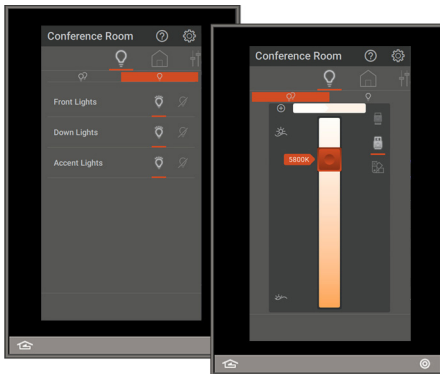
Scene Widget

A scene drives a set of loads in the room to user defined levels. It can be activated from either the scenes section of the interface, or as a favorite. Editing levels allow scenes to be defined by name, action, and room. CCT is not supported within scenes at this time.

Settings

From changing appearance for legibility to setting custom scenes, the LMEQ-41 settings screen provides a truly modern and unique control experience.

Lighting Widget with CCT Control

The lighting widget enables control of all the lighting loads within a space. View loads within a given area/room with access to individual load control.

With the tunable-white control widget, set the light to be warmer or cooler with an easy to use slider and set custom swatches for quick access to create a perfect light for the surroundings. For CCT control, fixtures must employ Blanco 2™ or Blanco 3™ drivers.

ORDERING INFORMATION

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

LMTI-100-xxx is necessary to enable touchscreen communication. See LMTI-100-xxx cutsheet for reference.

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