

LPDBL-M1 Series

Smart LED Backlit Panel Specifications

Project _____

Date _____ Type _____



LPDBL-M1-24-TW3C-SP50BLE



Description

LPDBL-M1 Series smart panel offers optimal versatility and customization for various applications. One type of fixture can outfit an entire facility, adjusting to different lighting needs in each unique space. It installs easily in existing T-grid ceilings with a low profile and lightweight design compared to traditional troffers. Available in packs of four.

Features

- Wireless control via mobile app (Keilton or Bluetooth wall switch (optional))
- Multifunction Sensor: occupancy and daylight sensing
- Luminaire Level Lighting Control (LLLC) with Energy Monitoring and High End Trim
- Flexible zoning and grouping with scene and time scheduling control

Mechanical

- Steel housing, aluminum frame, polystyrene lens
- Suitable for damp locations

Electrical

- 120-277 VAC input
- 2.0 kV surge protection
- 100,000 hour lifetime

Photometrics

- App selectable and tunable CCT
- 80+ CRI
- 110° beam angle
- Up to 128 lumens per watt

Available Configurations¹

- LPDBL-M1-24-TW3C-SP50BLE

Part Number Breakdown

Example: LPDBL-M1-24-TW3C-SP50BLE

Series	Panel Size	CCT	Wattage	Control
LPDBL-M1	24 [2' x 4']	TW3C [App selectable and tunable]	SP50 [50W max]	BLE [Bluetooth Mesh]

Application

Comparable panel sizes easily replace traditional fluorescent fixtures in drop ceiling applications. Optional surface mount and suspension kits are also available for other installation types.

Certifications and Compliances

- Certified by UL - UL 1598 and UL 8750
- IoT security verified Gold (UL MCV 1376)
- DLC 5.1 Premium listed



Warranty

- Five (5) Year Warranty

Optional Accessories

Dimmer

- 5 KEY Wireless Wall Switch with Wall plate (WP1025)

Emergency Driver

- 8W Emergency Battery Backup Inverter
100-347V Input - 170 VDC Output (EMH-08170-HY)

Suspension/Hanging Kit

- Single panel hanging kit (LP-HK)
- 2x4 Surface Mount Kit for Panels (LP-24-SMK)

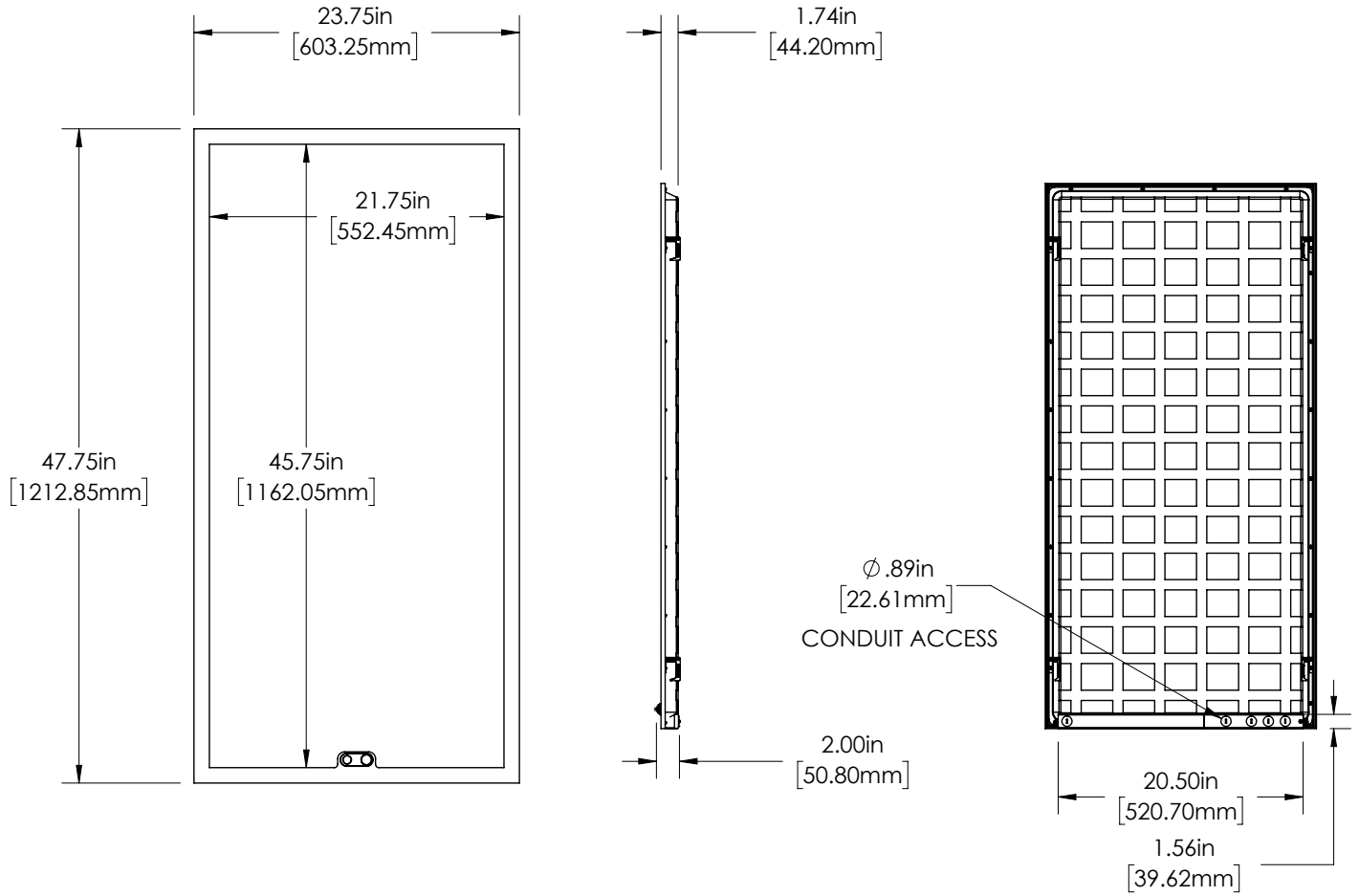


¹Contact customer service if interested in options other than those listed.

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Dimensional Drawings



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Specifications

Model		LPDBL-M1-24-TW3C-SP50BLE
Panel Size		2' x 4'
Lumens (max)		6,400 lm
Power Consumption (max)		50 W
Current Draw	120 VAC	460 mA
	277 VAC	200 mA
Efficacy		Up to 128 lm/W
Color Temperature(s)		Selectable (3000K / 3500K / 4000K / 5000K) and tunable via app
Dimming		0-10V continuous via built-in sensor for app or wall switch
Control Systems		Keilton app or wall switch
Communication		Bluetooth Mesh
Operating Voltage		120-277 VAC
Surge Protection		2.0 kV
Beam Angle		110°
CRI		80+
Environmental Rating		Suitable for damp locations
IC Rated		Yes
Rated Life (L70)		100,000 hours
Ambient Operating Temperature		-4°-113° F (-20°-45° C)

