

LPTW SERIES TUNABLE WHITE PANEL

Client:
Project:
Type:
Quantity:

CONSTRUCTION

Low profile extruded aluminum frame, all corners are rounded for safe handling. Multiple wiring extrances on driver enclosure for easy access. The backplate includes integral T-bar clips for installation into T-grid ceilings.

OPTICS

Backlit design provides exceptional lighting distribution. Frosted PMMA lens offers edge to edge illumination without pixelation or bright spots.

ELECTRICAL

80+ CRI Samsung LEDs, coupled with a high-efficiency driver, provide superior illumination for extended service life. Greater than 70% LED lumen maintenance at 50,000 hours (L70>50,000).

Tunable White from 2700K to 6500K CCT - use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT.

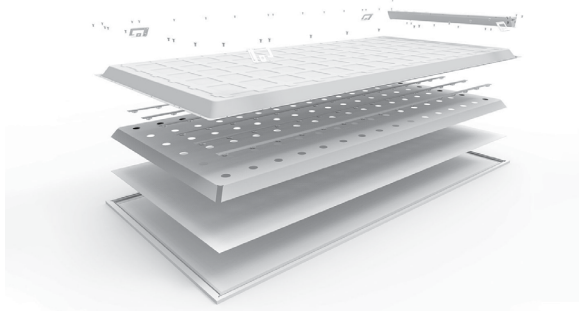
All CCTs are within 3 MacAdam ellipses.

Driver operates at 120-277V input, 0-10V dimmable, down to 10%. Separated wiring for dimming/on/off and CCT tuning via 2 separated 0-10V controller.

Optional: Lutron PSQ02 T-Series Tunable White Driver (see pg 5 for detail)



LPTW-2



Backlit Construction

MOUNTING

Designed to accommodate lay-in ceilings, Slot T, and T-bar suspension system for 5/8" and 3/8" width. Built-in earthquake clips come standard

Surface/cable mount applications, use surface/cable kit accessories.

Plaster or sheetrock installations, select flange kit.

Hard ceiling application, select hard ceiling kit.

FINISH

90% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.

CERTIFICATION

Damp location label standard.

Option for "Assembled in America" upon request.

All luminaires are built to UL1598 standards and bear appropriate cULus labels.

For Emergency application, equipment with UL924 certified battery packs.

WARRANTY

5 year warranty, see Limited Warranty for additional information.



LPTW SERIES TUNABLE WHITE PANEL

ORDER INFORMATION **EXAMPLE: LPTW 2 BACKLIT**

| | | | | |
|-----------------|--------------------|--------------|---------------|--------------|
| Fixture | Series | Model | Finish | Input |
| | LPTW | | WH | UD |
| Mounting | Accessories | | | |
| | Options | | | |

A SERIES

LPTW 0-10V Tunable White LED Flat Panel

B MODEL

| Code | Size | Power | CCT |
|------------------|------|-------|-----------------------------|
| 1-BACKLIT | 1x4 | 40W | Tunable White 2700K - 6500K |
| 2-BACKLIT | 2x2 | 40W | Tunable White 2700K - 6500K |
| 4-BACKLIT | 2x4 | 50W | Tunable White 2700K - 6500K |

C FINISH

blank White

D INPUT

blank 120-277V Input 0-10V Dimmable (100%-10%) - Driver with 2 set of leads for Dimming/On/Off and CCT Tuning

E MOUNTING

| | |
|------------------------|--|
| blank | Standard lay-in |
| MOUNT-LP-14-FGK | 1x4 Flange Kit (Plaster, Sheetrock or Drywall) |
| MOUNT-LP-14-SMK | 1X4 Surface Mount Kit for Edgelit LPTW |
| MOUNT-LP-22-FGK | 2x2 Flange Kit (Plaster, Sheetrock or Drywall) |
| MOUNT-LP-24-FGK | 2x4 Flange Kit (Plaster, Sheetrock or Drywall) |
| MOUNT-LP-22-HCK | 2x2 Hard Ceiling Kit (Hard Ceiling) |
| MOUNT-LP-22-SMK | 2x2 Surface Mount Kit for Edgelit LPTW |
| MOUNT-LP-24-SMK | 2x4 Surface Mount Kit for Edgelit LPTW |
| MOUNT-LP-PMK | Aircraft Cable Pendant Mount |

F ACCESSORIES/OPTIONS

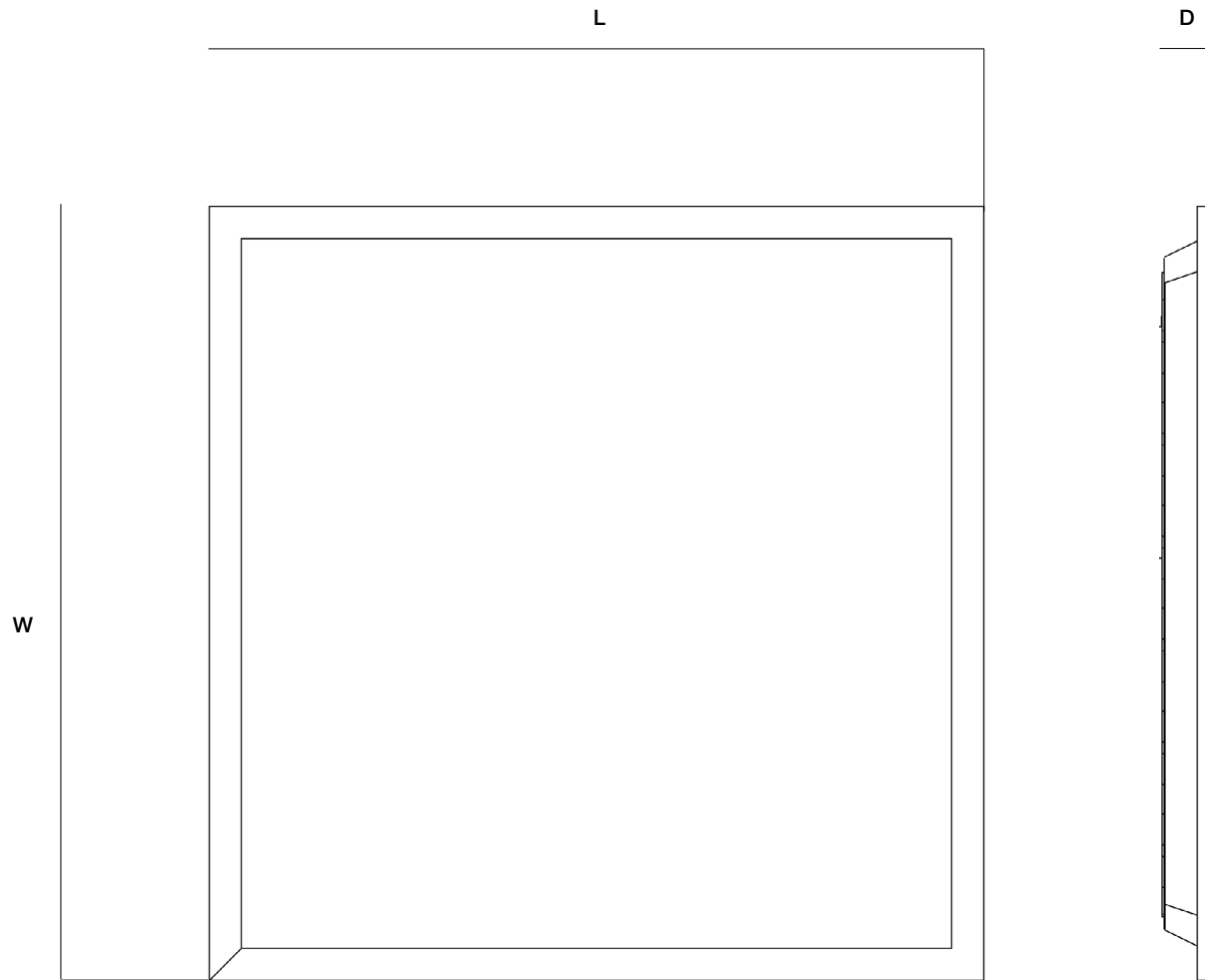
| | |
|--------------------|--|
| AIA | Assembled in America, compliant with BAA (COTS) |
| PSQ02U | Lutron T-Series 1% 2-channel tunable white driver (See pg 5) |
| EMB-H08170* | External EMB 8W (120-277V Input) |
| EMB-H18170* | External EMB 18W (120-277V Input) |

*see page 4 for spec

LPTW SERIES TUNABLE WHITE PANEL

DIMENSIONS

| Model | L | W | D |
|--------|--------------------|-------------------|-----------------|
| LPTW-1 | 47.80" (1213.00mm) | 11.90" (301.00mm) | 1.50" (37.50mm) |
| LPTW-2 | 23.70" (603.00mm) | 23.70" (603.00mm) | 1.50" (37.50mm) |
| LPTW-4 | 47.80" (1213.00mm) | 23.70" (603.00mm) | 1.50" (37.50mm) |



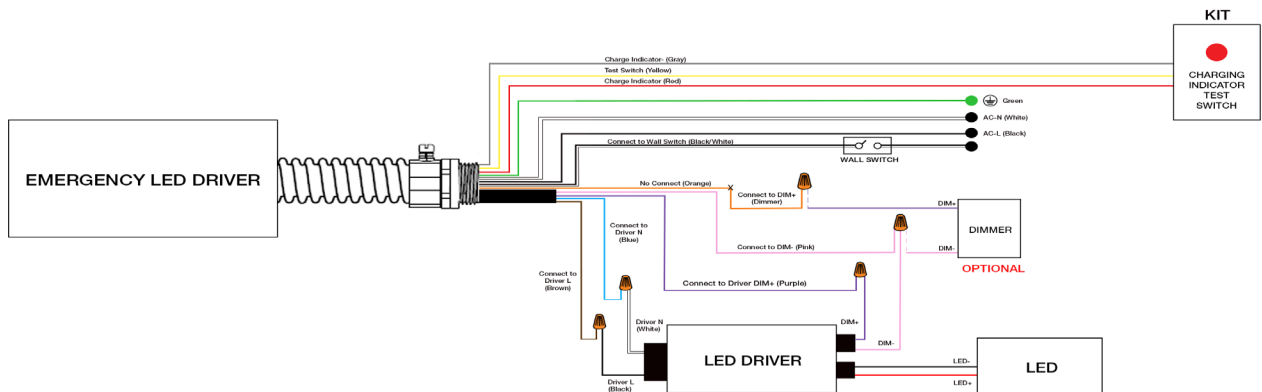
LPTW SERIES TUNABLE WHITE PANEL

PERFORMANCE DATA

| MODEL | WATTS | VOLTAGE | 2700K ~ 6500K (80CRI) | | | |
|--------|-------|----------|-----------------------|-----|--------|-----|
| | | | LUMENS | LPW | LUMENS | LPW |
| LPTW-1 | 40W | 120-277V | 4400 | 110 | 4600 | 115 |
| LPTW-2 | 40W | 120-277V | 4400 | 110 | 4600 | 115 |
| LPTW-4 | 50W | 120-277V | 5500 | 110 | 5750 | 105 |

EMB SPEC

| Model | Battery Capacity | Input | Output | Output Power | Operating Temp | Installation |
|------------|------------------|------------|--------|--------------|----------------------------|--------------------------------|
| EMB-H08170 | 90mins | 100-347VAC | 170VDC | 8W | 0°C ~ 50°C 32°F ~ 122°F | Factory or Field Install |
| EMB-H18170 | 90mins | 100-347VAC | 170VDC | 18W | 0°C ~ 50°C 32°F ~ 122°F | Factory or Field Install |



LUTRON T-SERIES TUNABLE WHITE DRIVER SPECIFICATION

Specifications

- cULus Listed Class P
- NOM certified
- Lutron Quality Systems registered to ISO 9001.2015
- Inrush current less than NEMA 410-2011 limit
- FCC Part 15 Class A
- Meets UL® 8750, "Light Emitting Diode (LED) Equipment For Use in Lighting Products"
- Class 2 outputs
- Dimming Range: 100% to 0.1%
- Operating Voltage: 120 V~ / 277 V~ at 50 / 60 Hz
- Lifetime: 50,000 hours when calibration point (tc) at 167 °F (75 °C)
- ULR allows operation of tc up to 90 °C
- At turn on, lighting goes to the desired level without decreasing or flashing to full brightness
- Typical standby power consumption: < 0.5 W at 120 V~ / 277 V~
- Open-circuit protected output
- Short-circuit protected output
- Over temperature protected
- Sound rated: Class A inaudible in 24 dBA ambient
- Relative Humidity: maximum 90% non-condensing
- Minimum Operating Ambient Temperature: ta = 0 °C (32 °F)
- Indoor use only
- Rated for dry and damp locations

Compatible Controls: Lutron T-Series Digital Controls

Guaranteed performance specifications with the controls listed in the chart below.

For assistance selecting controls, contact our LED Center of Excellence at 1.877.346.5338 or LEDs@lutron.com