

## 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.

### CONTROL (OPTIONAL)

CONTROL-BLE-620 Bluetooth Wireless Fixture Controller for CCT Tuning, Dimming, Grouping, Scheduling Features (ALS Control Mobile App)

### 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.

### 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.

Meets Buy America Act requirements.

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

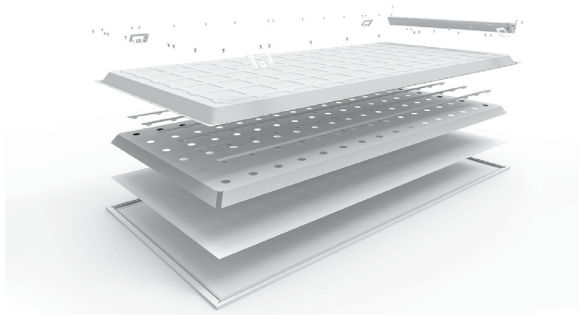
For Emergency application, equipment with UL924 certified battery packs.

### WARRANTY

5 year warranty, see Limited Warranty for additional information.



LPTW-2



Backlit Construction



## 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-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)		
	-C	6-Foot Flex		
	CONTROL-BLE-620*	Bluetooth Wireless Fixture Controller for CCT Tuning, Dimming, Grouping, Scheduling Features (ALS Control Mobile App)		
	EMB-H08170*	Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output		
	EMB-H18170*	Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output		
	GTD-ESRLUD**	Emergency Battery Generator Transfer Device 120-277 VAC Input		

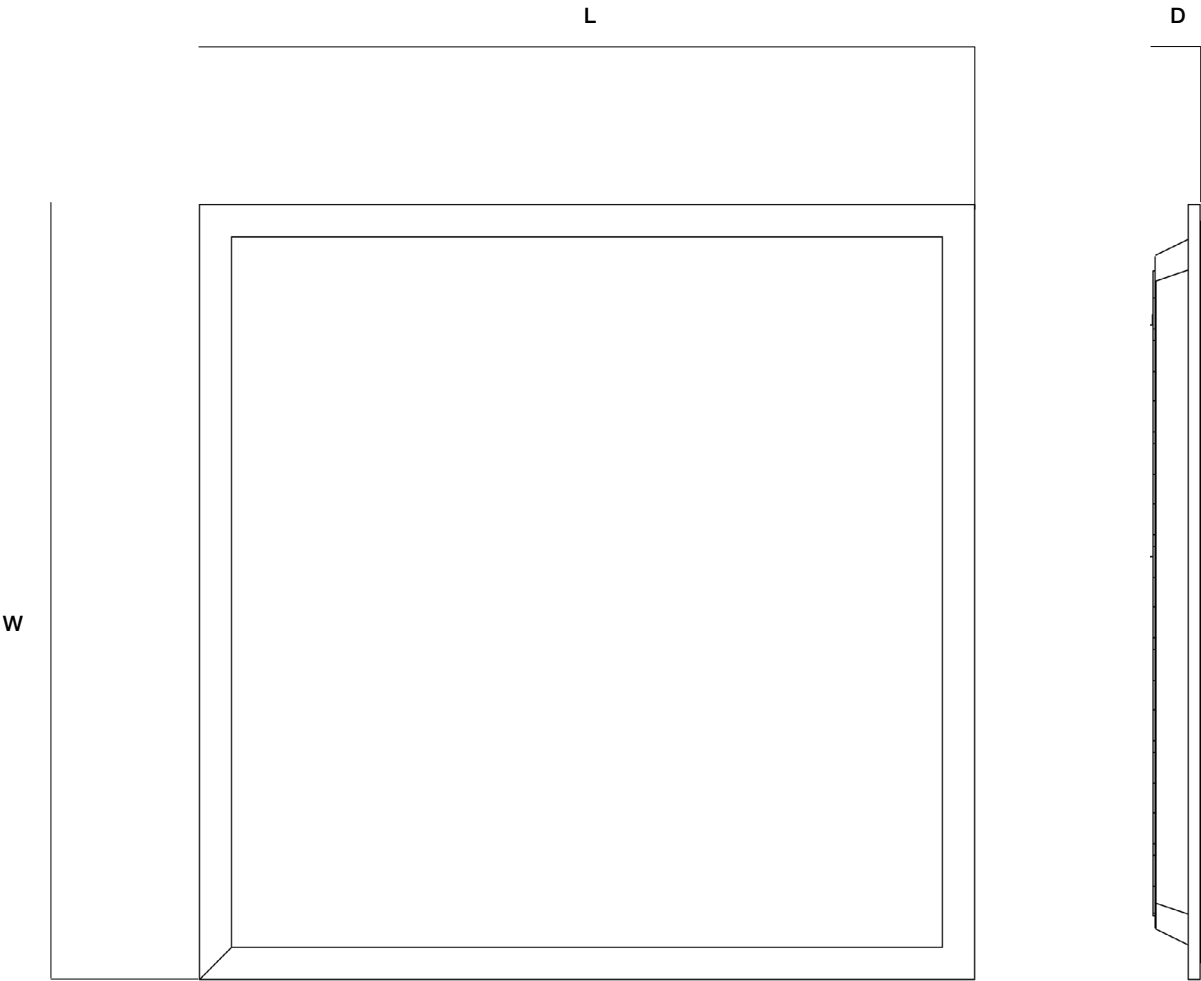
\*see page 5 for EMB and sensor spec

\*\*see page 7 and 8 for GTD 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

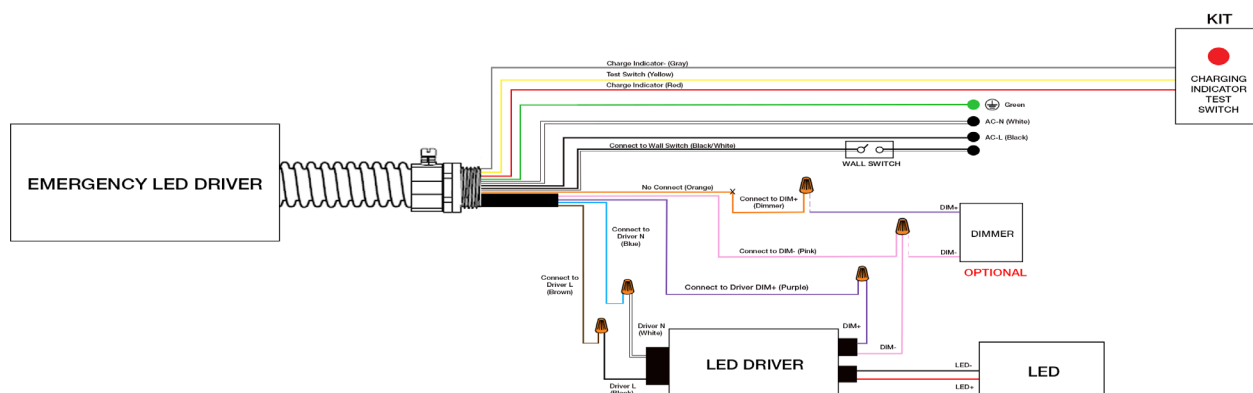
### PERFORMANCE DATA

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

## LPTW SERIES TUNABLE WHITE PANEL

## 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



## SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
CONTROL-BLE-620 (see page 6 for detail)	Fixture	Integral to			CCT Tuning	
	Controller	Fixture	-	12V DC	Dimming Grouping Time Schedule	ALS Control Bluetooth Mobile App



CONTROL-BLE-620

### FEATURE

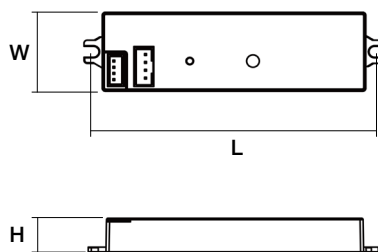
- **Installation:** Factory installed, 12V AUX power required
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** Dimming, High-End Trim, Zoning, Continuous Bi-level Dimming
- **CCT Tuning:** CCT Tuning feature for Dual/Multi-CCT LED board fixture only
- **Sensor:** Plug-N-Play with ALS Control sensors
- **Zone Control:** Zoning and Grouping control, Scheduling



### SPECIFICATIONS

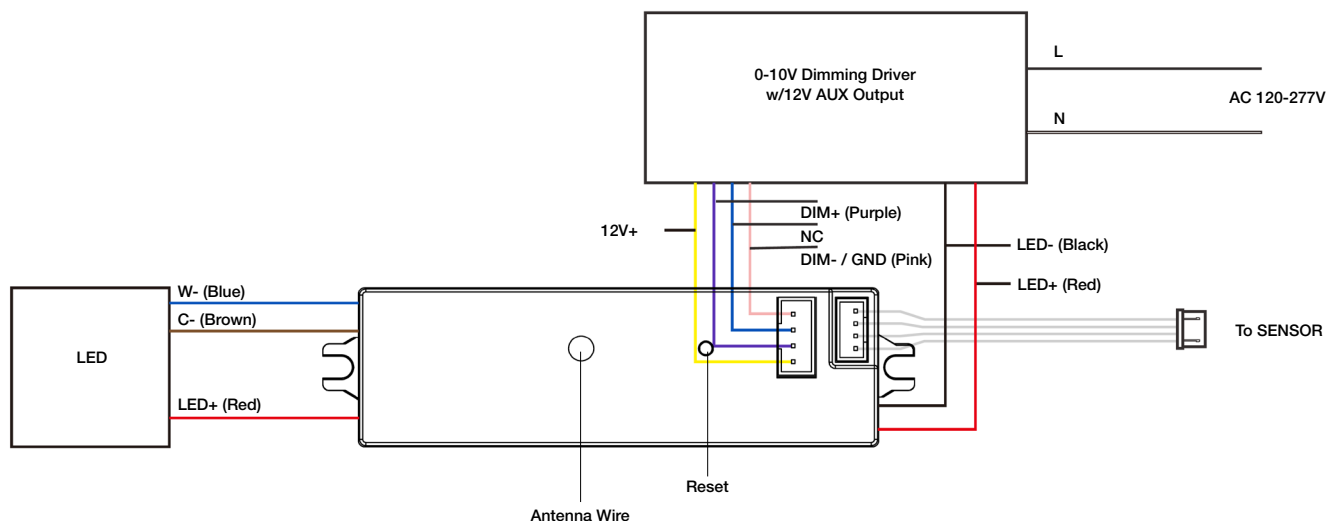
<b>WIRELESS STANDARDS:</b>	5.0 Bluetooth Mesh
<b>INPUT VOLTAGE:</b>	12-14VDC, >50mA
<b>OUTPUT VOLTAGE:</b>	LED Max. 150VDC Max. 2A
<b>CONTROL OUTPUT:</b>	0-10V
<b>OPERATING TEMP:</b>	-40°F ~ +158°F (-40°C ~ +70°C)
<b>COMMISSIONING RANGE:</b>	50FT
<b>BLUETOOTH RANGE:</b>	100FT
<b>WARRANTY:</b>	5 years
<b>IP RATING:</b>	IP20

### DIMENSIONS



L	H	W
3.5" (89mm)	0.43" (11mm)	1.00" (26mm)
Lead Wire		Antenna Wire
10.60" (270mm)		10.60" (270mm)

### WIRING DIAGRAM



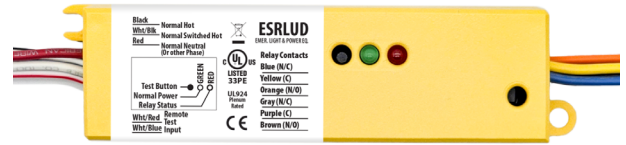
## GTD-ESRLUD Generator Transfer Device

Client:  
Project:  
Type:  
Quantity:

### CONSTRUCTION

Yellow metal casing. Integrates with dry contact systems to provide lighting during power outages. Features a slim enclosure, allowing for seamlessly integrating into existing building infrastructure.

Designed for commercial and industrial applications that require an emergency load to be switched on during a loss of normal power.



### SPECIFICATIONS

<b>COIL CURRENT:</b>	Normal Power = 6mA MAX
<b>COIL VOLTAGE INPUT:</b>	120-277V AC (50/60 Hz)
<b>EXPECTED RELAY LIFE:</b>	10 Million Cycles Min Mechanical
<b>RELAY CONTACT RATINGS:</b>	10 Amp Resistive @ 30 V DC 10 Amp General Use @ 277 V AC
<b>OPERATING TEMP:</b>	-30°F ~ +140°F (-34°C ~ +60°C)
<b>OPERATE TIME:</b>	18ms
<b>HUMIDITY RANGE:</b>	5-95% (Noncondensing)
<b>LED:</b>	Green = Normal Power Red = Relay Status
<b>DIMENSIONS:</b>	1.40"H x 5.63"W x 1.00"D
<b>WIRES:</b>	16", 600V Rated
<b>OVERRIDE (TEST SWITCH):</b>	No
<b>APPROVALS:</b>	UL924, C-UL, CE, ROHS
<b>NOTES:</b>	Device Draws no Current From Emergency Source

### TESTING

<b>INITIAL TEST FOR CORRECT WIRING:</b>	Apply Normal Power To Normal Power Input a. Green LED (Normal Power) should be ON b. Red LED (Relay Status) should be ON c. Load should be OFF d. Relay Contact (N/O) should be CLOSED
<b>LOCAL TEST BUTTON:</b>	1. Turn Switched Circuit OFF. Load be OFF. 2. Press and Hold "Local Test Button" 3. Load should Turn ON 4. Release "Local Test Button" and Emergency Light should Turn OFF.
<b>WALL SWITCH:</b>	1. Turn ON Wall Switch If not already ON 2. Load should Turn ON 3. Turn Wall Switch OFF 4. Load will Turn OFF

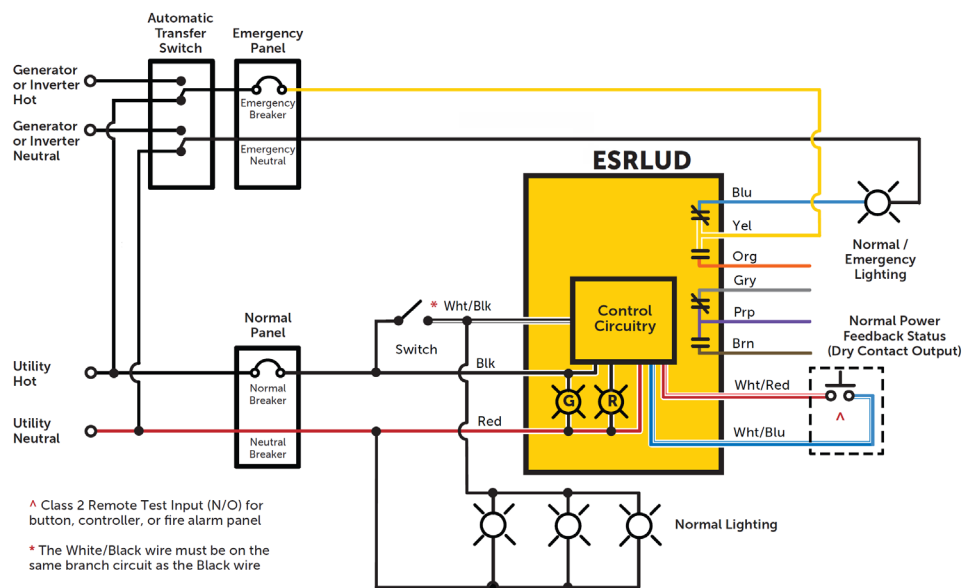
### TROUBLESHOOTING

CONDITION	ACTION
Green LED is OFF	<ul style="list-style-type: none"> <li>Check Normal Power Input Wiring (Black and Red Wires) and Voltage.</li> </ul>
Red LED is OFF but Load is OFF	<ul style="list-style-type: none"> <li>Check Bulbs and Ballast.</li> <li>Check Load Wiring (Blue Wire and Load's Neutral).</li> <li>Replace Unit. (Assuming N/C Contact is Used).</li> </ul>
Load is ON but Red LED is ON	<ul style="list-style-type: none"> <li>Replace Unit. (Assuming N/C Contact is Used).</li> </ul>
Red LED does not Turn OFF and Load does not Turn ON when being tested	<ul style="list-style-type: none"> <li>Check Bulbs and Ballast.</li> <li>Check Wiring Connections if Using a Remote Test Option.</li> <li>Press Local Test Button on the Unit.</li> <li>Replace Unit.</li> </ul>
Red LED will not Turn ON and Load will not Turn OFF	<ul style="list-style-type: none"> <li>Verify Status of Normal Power Input.</li> <li>Open Wall Switch Input.</li> <li>Verify That No Test Inputs are Stuck Closed.</li> </ul>

## GTD-ESRLUD Generator Transfer Device

### WIRING DIAGRAM

#### USING EMERGENCY LIGHTING AS NORMAL LIGHTING



#### OVERRIDING A 0-10V DIMMER

