

LPA-SM SERIES SURFACE MOUNT BACKLIT PANEL

Client:
Project:
Type:
Quantity:

CONSTRUCTION

Low profile extruded aluminum frame, 1.2" thickness, all corners are rounded for safe handling. Designed for Surface Mount application. The backplate includes safety cable for easy installation and added safety feature.

OPTICS

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

ELECTRICAL

80CRI Long-life, high-efficacy, micro-power LEDs, illumination for extended service life. Greater than 70% LED lumen maintenance at 100,000 hours (L70>100,000).

-20°C up to 45°C (-4°F up to 113°F) maximum operating temperature

Selectable lumen and CCT technology allows easy field-adjustable capability, luminaire ships with maximum output and 4000K CCT setting.

All CCTs are within 3 MacAdam ellipses.

Driver operates at 120-277V input, 0-10V dimmable driver.

MOUNTING

Designed for surface mount application.

Safety cables (pair) come standard on mounting bracket.

STANDARD 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

Option for "Assembled in America" upon request.

IC Rated, suitable for Damp location.

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

For Emergency application, equipment with UL924 certified battery packs.

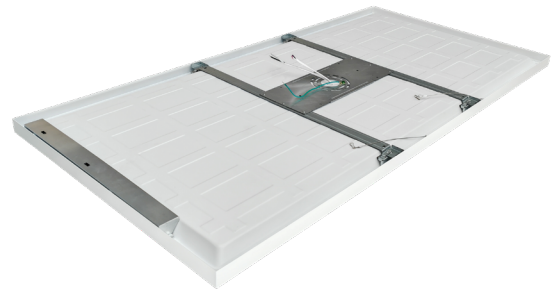
DLC[®] Standard (DesignLights Consortium Listed)

WARRANTY

5 year warranty, see Limited Warranty for additional information.



Front



Back



LPA-SM SERIES SURFACE MOUNT BACKLIT PANEL

ORDER INFORMATION				EXAMPLE: LPA-SM 4 BACKLIT	
Fixture	Series	Model	Finish	Input	
	LPA-SM		blank	blank	
Mounting	blank				
Accessories Options					
A	SERIES				
	LPA-SM	Surface Mount Selectable Lumen and CCT Panel			
B	MODEL				
	Code	Size	Power	CCT	lm/W (avg.)
	1-BACKLIT	1x4	20W / 28W / 34W / 41W	3000K / 3500K / 4000K / 5000K / 6500K	110lm/W
	2-BACKLIT	2x2	20W / 28W / 34W / 41W	3000K / 3500K / 4000K / 5000K / 6500K	110lm/W
	4-BACKLIT	2x4	28W / 34W / 41W / 50W	3000K / 3500K / 4000K / 5000K / 6500K	110lm/W
C	FINISH				
	blank	White			
D	INPUT				
	blank	120-277V, 0-10V Dimming			
E	MOUNTING				
	blank	Surface Mount Bracket included			
F	ACCESSORIES/OPTIONS				
	AIA	Assembled in America, compliant with BAA (COTS)			
	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			

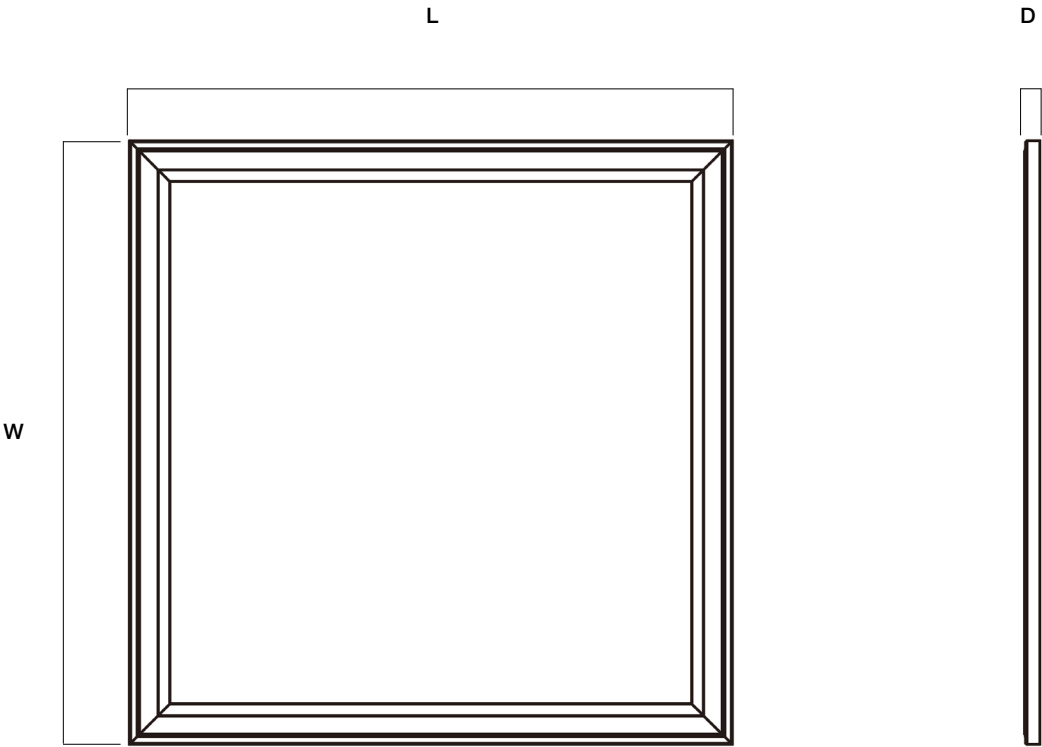
*see page 5 for EMB spec

**see page 6 and 7 for GTD spec

LPA-SM SERIES SURFACE MOUNT BACKLIT PANEL

DIMENSIONS

Model	L	W	D
LPA-SM-1-BACKLIT	47.70" (1212mm)	11.80" (301mm)	1.20" (31mm)
LPA-SM-2-BACKLIT	23.70" (602mm)	23.70" (602mm)	1.20" (31mm)
LPA-SM-4-BACKLIT	47.70" (1212mm)	23.70" (602mm)	1.20" (31mm)



LPA-SM SERIES SURFACE MOUNT BACKLIT PANEL

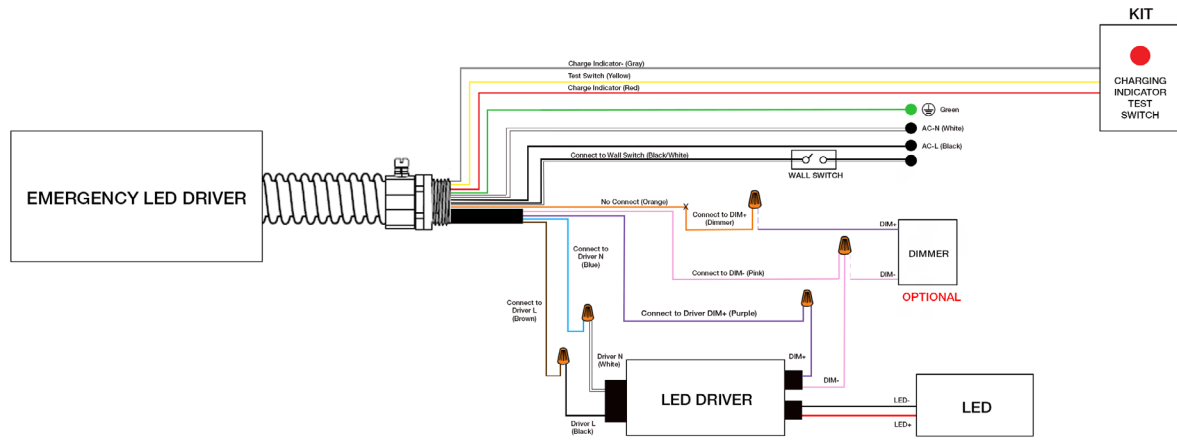
PERFORMANCE DATA

SYSTEM WATTS	SIZE	VOLTAGE	LUMEN	LPW
20W	LPA-SM-1-BACKLIT LPA-SM-2-BACKLIT	120-277V 120-277V	2200	110
28W	LPA-SM-1-BACKLIT LPA-SM-2-BACKLIT	120-277V 120-277V	3080	110
34W	LPA-SM-1-BACKLIT LPA-SM-2-BACKLIT	120-277V 120-277V	3740	110
41W	LPA-SM-1-BACKLIT LPA-SM-2-BACKLIT	120-277V 120-277V	4510	110
28W	LPA-SM-4-BACKLIT	120-277V	3080	110
34W	LPA-SM-4-BACKLIT	120-277V	3740	110
41W	LPA-SM-4-BACKLIT	120-277V	4510	110
50W	LPA-SM-4-BACKLIT	120-277V	5500	110

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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



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

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

TESTING

INITIAL TEST FOR CORRECT WIRING:	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
LOCAL TEST BUTTON:	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.
WALL SWITCH:	1. Turn ON Wall Switch If not already ON 2. Load should Turn ON 3. Turn Wall Switch OFF 4. Load will Turn OFF

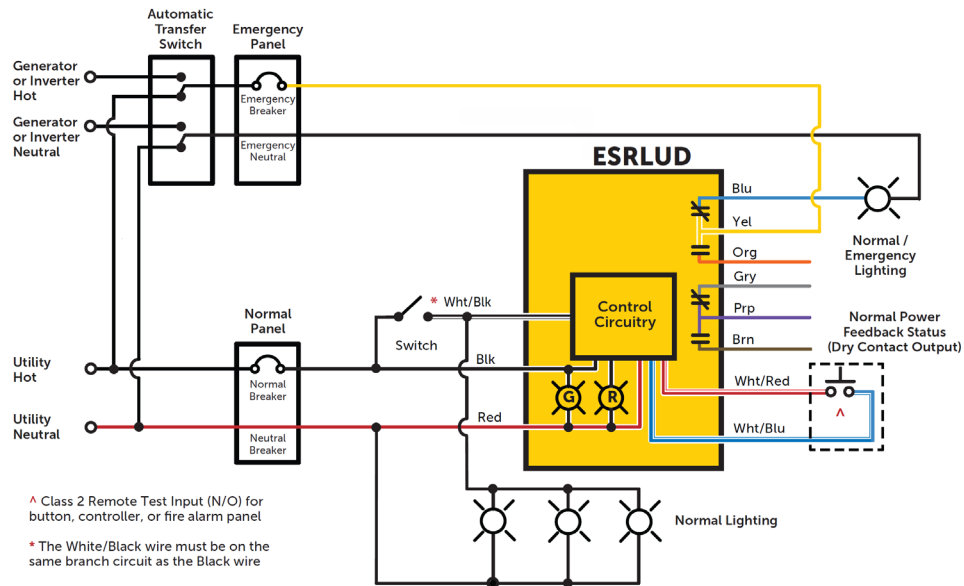
TROUBLESHOOTING

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

GTD-ESRLUD Generator Transfer Device

WIRING DIAGRAM

USING EMERGENCY LIGHTING AS NORMAL LIGHTING



OVERRIDING A 0-10V DIMMER

