LPTW SERIES

TUNABLE WHITE LED FLAT PANEL

ALS — Advantage Lighting Solutions

Client: _____ Project: _____ Type: _____ Qty: _____

INPUT VOLTAGE
100~277 VAC

FREQUENCY
50~60HZ

COLOR TEMPERATURE
2700K~6500K

COLOR RENDERING INDEX
80

DISTRIBUTION
120°

IP RATING
Damp Location

OPERATING TEMPERATURE
-5°F~+104°F

LIFE SPAN
50,000hrs

DIMMING
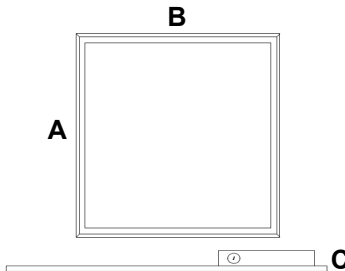0-10V dimming 10%-100%

Product Showcase

Product Features

FEATURES

- The LPTW offers long life, high lumen maintenance, high CRI and are low maintenance and constructed without hazardous materials.
- Designed to lay-in drop ceilings in offices, schools and healthcare applications.
- Standard 0-10V DC Control dimming and CCT adjustable with 1-10V DC control dimmer.
- 100lm/W
- IP44 Rated suitable for indoor and damp applications.
- cETL Listed

ETL LISTED

Dimensions

Size	A	B	C
2 x 2	601.98mm (23.7")	601.98mm (23.7)	45.72mm (1.8")
2 x 4	601.98mm (23.7")	1211.58mm (47.7")	45.72mm (1.8")

Ordering Information

Size

LPTW - [Size] **- WH UD**

Series	Size	Finish	Input Voltage & Dimming
LPTW	**2** - 2 x 2 **4** - 2 x 4	**WH** - White	**UD** - 100-277V & 0-10V Dimming

Models & Wattages

Model	Wattage Range
2 x 2	40W (4200lm)
2 x 4	50W (5250lm)

Every model can adjusted between 2700K and 6500K.

Accessories/Option Adder

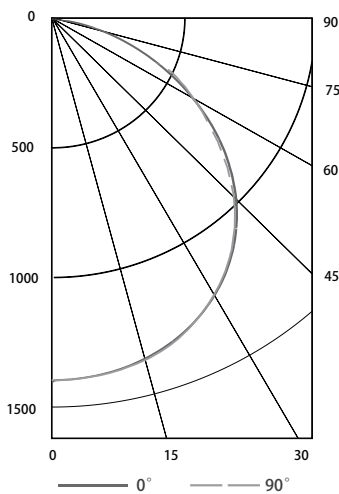| Part #	Description
EMB-700	External Emergency Battery 700LM
EMB-1400	External Emergency Battery 1400LM
EMB-2000	External Emergency Battery 2000LM
MOUNT-LP-22-SMK / MOUNT-LP-24-SMK	2x2 / 2x4 Surface Mount Kit
MOUNT-LP-22-FGK / MOUNT-LP-24-FGK	2x2 / 2x4 Flange Kit (Drywall)
MOUNT-LP-PMK-3	Pendant Mount, 3 Ceiling Mounting Point
MOUNT-LP-PMK-6	Pendant Mount, 6 Ceiling Mounting Point

Rev: 050120

CCT changing and Brightness dimming by using a wall switch

three-step CCT changing	Switch turn ON	Switch turn OFF Less than 4 seconds Switch turn ON	Switch turn OFF Less than 4 seconds Switch turn ON	Switch turn OFF Less than 4 seconds Switch turn ON	etc ···
Slide Bar	CCT changing	Brightness dimming	CCT changing	Brightness dimming	etc ···

NOTE: If the OFF time is longer than 4 seconds, once switch on again, all the fixtures will be changing CCT by moving the slide bar.
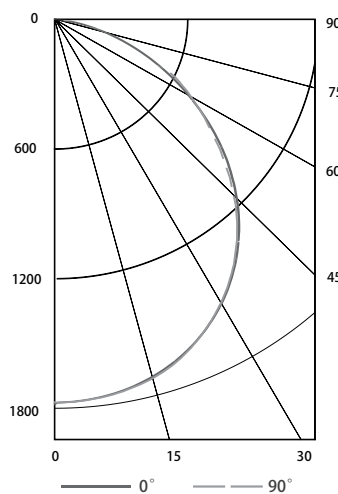
Photometry

KMLPTV-2-WHUD （@3000K）

Intensity (Candlepower) Summary

Angle	0°	90°
0°	1408	1408
5°	1403	1402
15°	1345	1342
25°	1245	1240
35°	1118	1111
45°	925	917
55°	737	727
65°	505	495
75°	260	254
85°	55	57
90°	1	2

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fix
0-30	1097	27.0%	27.0%
0-40	1800	44.3%	44.3%
0-60	3196	78.7%	78.7%
0-90	4062	100%	100%

KMLPTV-4-WHUD （@3000K）

Intensity (Candlepower) Summary

Angle	0°	90°
0°	1774	1174
5°	1767	1765
15°	1694	1690
25°	1568	1561
35°	1408	1399
45°	1165	1156
55°	928	917
65°	636	624
75°	327	321
85°	69	67
90°	2	1

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fix
0-30	1382	27.0%	27.0%
0-40	2267	44.3%	44.3%
0-60	4026	78.7%	78.7%
0-90	5117	100%	100%

Wire Diagram

Figure A:

Line/Hot — Black — Lutron DVSTV, DVSCSTV 0-10 V Preset Dimmer — Red, Red/White, Gray(-), Violet(+)

Brightness dimming

Neutral

0-10V CCT Driver

N, L, Dim-, Dim+