



UPSHINE®



# Technical Application Guide for UP-SHINE LED Panel Light

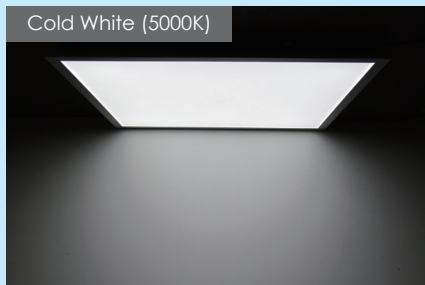
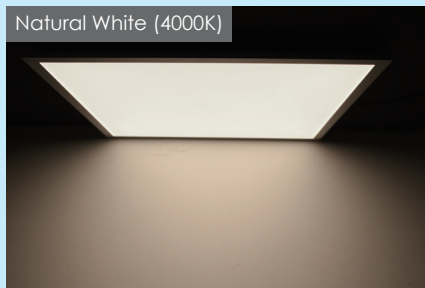
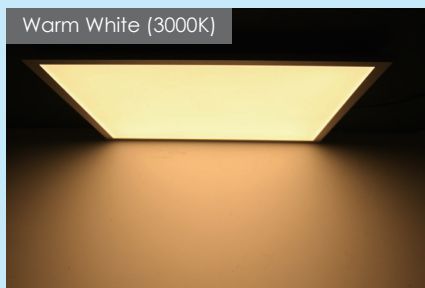
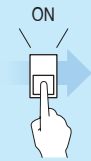
UP-PL2X2-40W-C-P3



# Introduction



## Slide Switch Function



Up-shine LED troffer adopts LM-80 SMD led chip, with UL&cUL, DLC approved for North America market. Branded led driver with top quality component ensures long life time. 0-10V dimmable.

The ultra slim profile fits seamlessly into any workplace. It is available in the following installation ways: embedded into ceiling, suspended with hanging wires. The light color can be changed among WW, NW and CW by slide switch.

- Up to 80% energy saving compared to standard CFL
- Long lifetime of 50,000 hours
- 0-10V dimmable
- 120° wide beam angle
- CCT: 3000K / 4000K / 5000K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

## Application notes

- Damp location for indoor use Inly
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

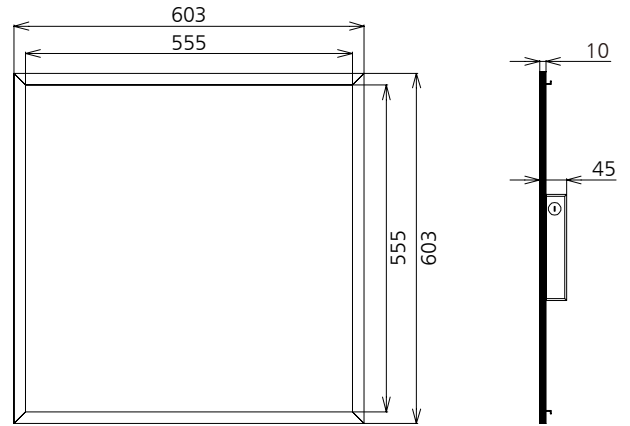
## Application Areas

Widely used for various commercial lighting and residential lighting applications, such as offices, shopping mall, hotel, restaurant, hospital, home lighting etc.

## Certificates



# Product Information



## Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	CCT	Beam angle	Lifespan	CRI	Dimmable	Dimension
UP-PL2X2-40W-C-P3	AC100-277V	40W	≥0.9	3750	3000K	120°	50000h	≥80	Yes	603*603*45mm
				4400	4000K					
				4200	5000K					

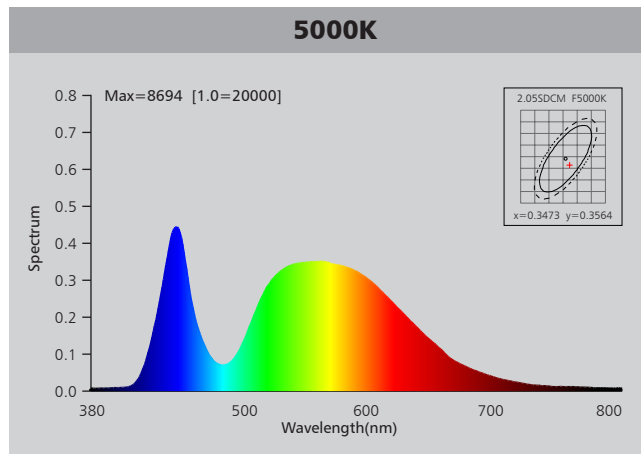
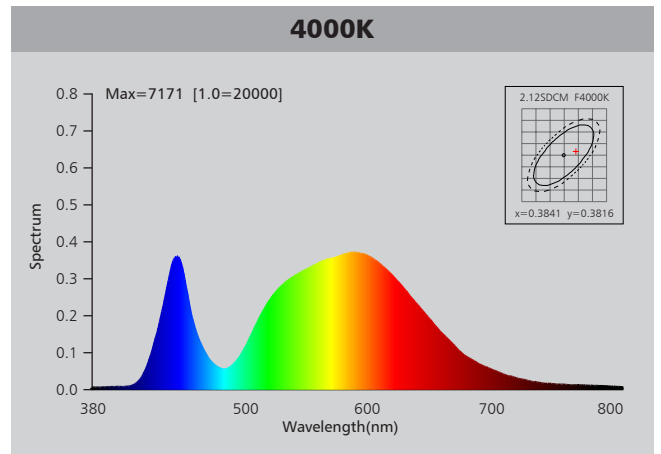
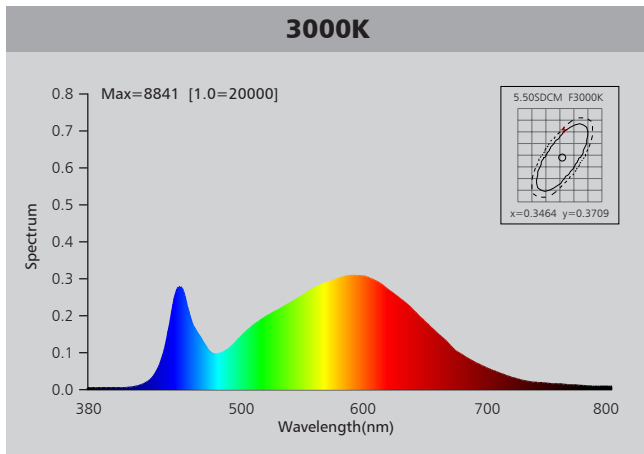
## Driver data Sheet

Driver data	DIM
Input rated Voltage	AC100-277V
Frequency	50/60Hz
Input Voltage	AC90-305V
Efficiency	≥85%
Total load Wattage	40W±5%
Power Factor	≥0.9
Rated input current	≤0.5A
Full load output Voltage	DC25-42V
Rated output current	1000mA
Output current range	1000mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Dimming range	10%-100%
Dimmer	0V-10V dimmer
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
Withstand voltage	AC3750V

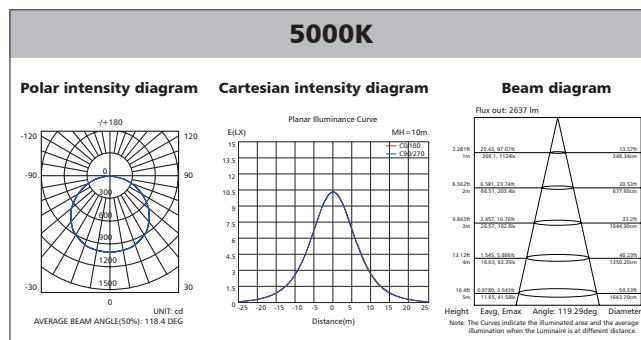
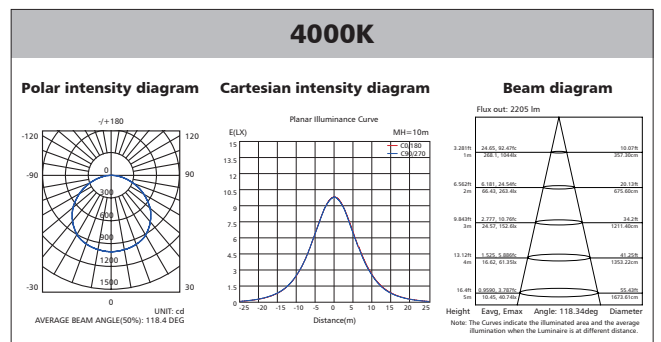
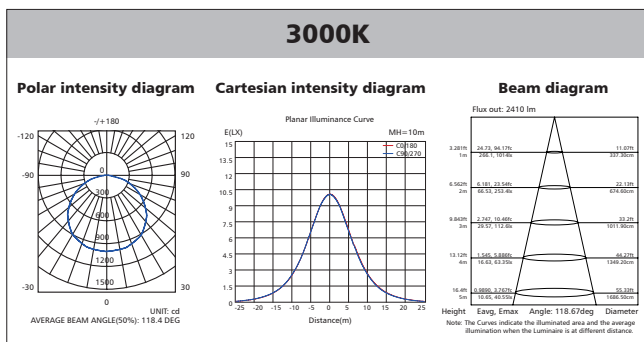
## Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
40W	with ground	Damp location	-20°C~45°C	0~90%	-20°C~65°C

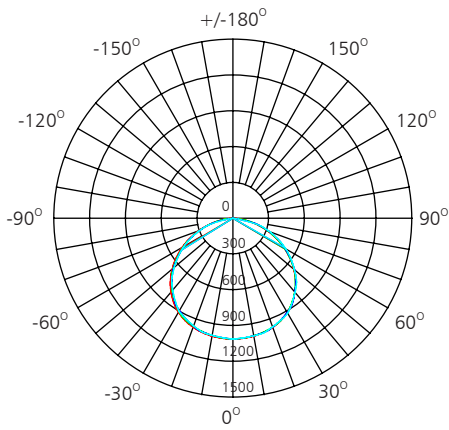
# Spectral Distribution



# Photometric Diagram



# Polar Diagram Comparison



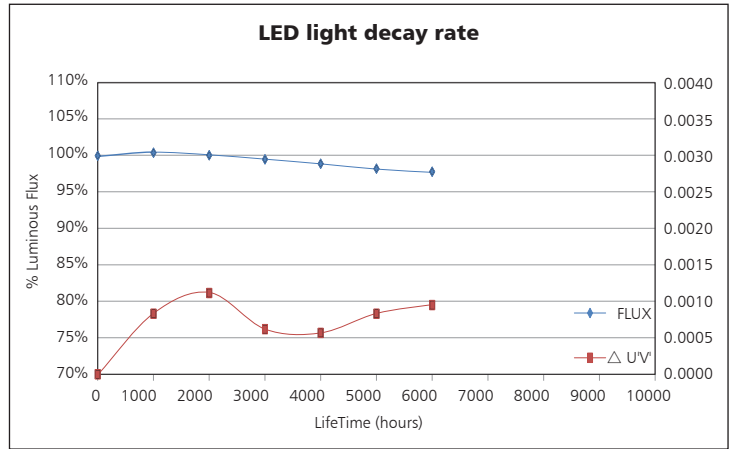
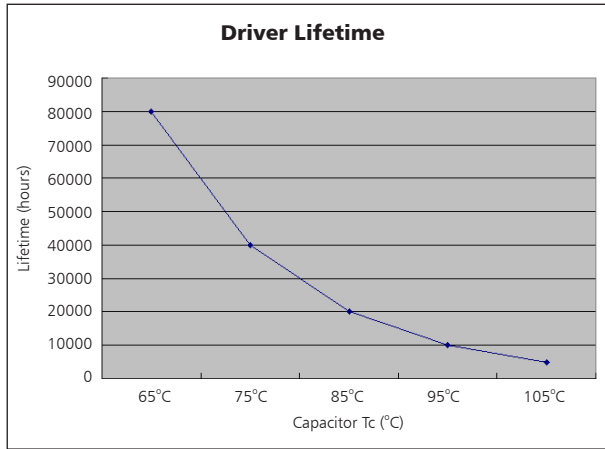
UNIT: cd

- C0/180, 118.7 deg
- C30/210, 118.0 deg
- C60/240, 118.1 deg
- C90/270, 118.6 deg

AVERAGE BEAM ANGLE (50%): 118.4DEG



# Driver lifetime & LED light decay rate



# Temperature

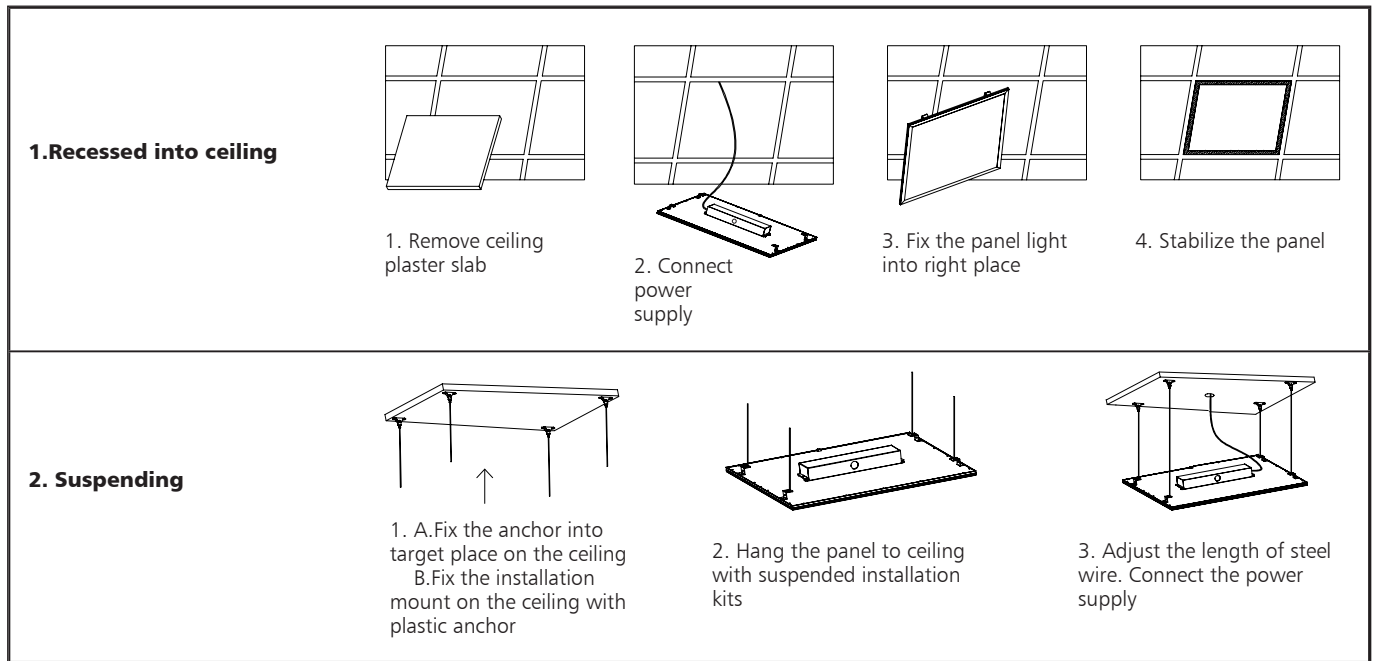
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C

Time	IC	Capacitor	MOS	PCB	Fitting	Voltage transformer	Environmental temperature
14:29:22	30	30	30	30	30	30	30
15:20:16	40	40	40	40	40	40	30
16:11:16	50	50	50	50	50	50	30
17:02:16	60	60	60	60	60	60	30
17:53:16	70	70	70	70	70	70	30
18:44:16	80	80	80	80	80	80	30
19:35:16	85	85	85	85	85	85	30
20:26:16	88	88	88	88	88	88	30
21:17:16	90	90	90	90	90	90	30
22:08:16	92	92	92	92	92	92	30
22:59:16	93	93	93	93	93	93	30
23:50:16	94	94	94	94	94	94	30
0:41:16	95	95	95	95	95	95	30
1:32:16	96	96	96	96	96	96	30
2:23:16	97	97	97	97	97	97	30
3:14:16	98	98	98	98	98	98	30
4:05:16	99	99	99	99	99	99	30
4:56:16	100	100	100	100	100	100	30
5:47:16	100	100	100	100	100	100	30
6:38:16	100	100	100	100	100	100	30
7:29:16	100	100	100	100	100	100	30
8:20:16	100	100	100	100	100	100	30

The driver lifespan is based on capacitor working temperature.

# Installation

The color temperature can be selected by sliding the color switchable button before installation.  
 Open the junction box, Sliding the color switchable button to choose the suitable color temperature.



# Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	67*31*67.5	4.8	25.5	4

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	195	780	28
40" standard container	390	1560	56

