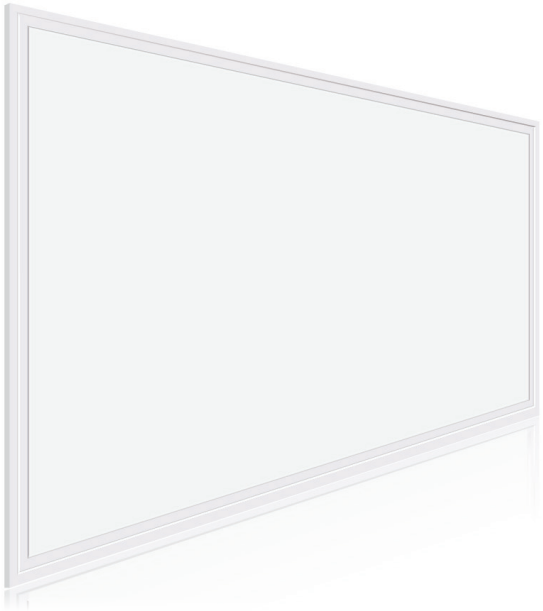
FPK
KELVIN ADJUSTABLE FLAT PANEL

LED A DIVISION OF ecoPOWER



FEATURES

- 2.4G Wireless CCT & dimmable LED Flat Panel
- CRI>80
- LM79 & LM80 Compliant
- Anti-Yellowing light plate technology
- Wireless CCT adjustable from 3000K-3500K-4000K-5000K
- Wireless Dimmability from 100% to 3%
- Single, group, zone control
- Reduces photophobia, headaches due to glare and light stress
- IC Rated
- 0-10VDC PWM

OPTIONS

- Surface or Drywall mounting options

EdgeLit LightPlate technology developed by 3M™ produces unsurpassed even illumination of the lens materials and an ultra low glare factor. This ComfortPanel provides wireless control of both light level and kelvin temperature. Fully dimmable and kelvin adjustable from 3000K to 5000K. Use the remote to control one panel, multiple panels, or a whole floor. EZ setup, excellent savings, personal light environment control.

TECHNICAL SPECIFICATIONS	
Housing	Die cast aluminium with S/B power coat
Finish	White
Mounting	RCTB & Surface Mount using M40 Adder, Drywall Mount using M45
Lens Type	PMMA plastic lens with advanced LightPlate Technology for Low Glare
Applications	Office, classroom, retail, hotel, lobby, restaurant, medical facility

ELECTRICAL SPECIFICATIONS	
LED Engine	SMD SideLight Technology
Available Wattages	2x2': 40w 1x4': 40w 2x4': 50w, 60w
Kelvin	Adjustable from 3000 - 5000K
Power Factor	>0.95 non-flicker
Ambient temperature	-20°C to 45°C
Available Voltages	100-277vAC

OPTICAL & PERFORMANCE SPECIFICATIONS	
Efficacy	3000K 100lm/W | 3500K 103lm/W 4000K 107lm/W | 5000K 110lm/W
Lumen Output (@ 3000K)	**1x4 40w**: 4,130L | **2x2 40w**: 3,875L **2x4 50w**: 5,570L // **60w**: 6,500L
THD	≤ 15 %
Efficacy	100-110L/W
Beam Angle	120°
CRI	>80
L70	60,000 hours
Certifications	cUL, LM80, FCC, CE, DLC listed - see full list of models on following page

c UL us LISTED

DLC QPL LISTED

CONTROLS

10 YEAR WARRANTY

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Warranty is only valid based on fixtures operating for 12 hours or less per day.

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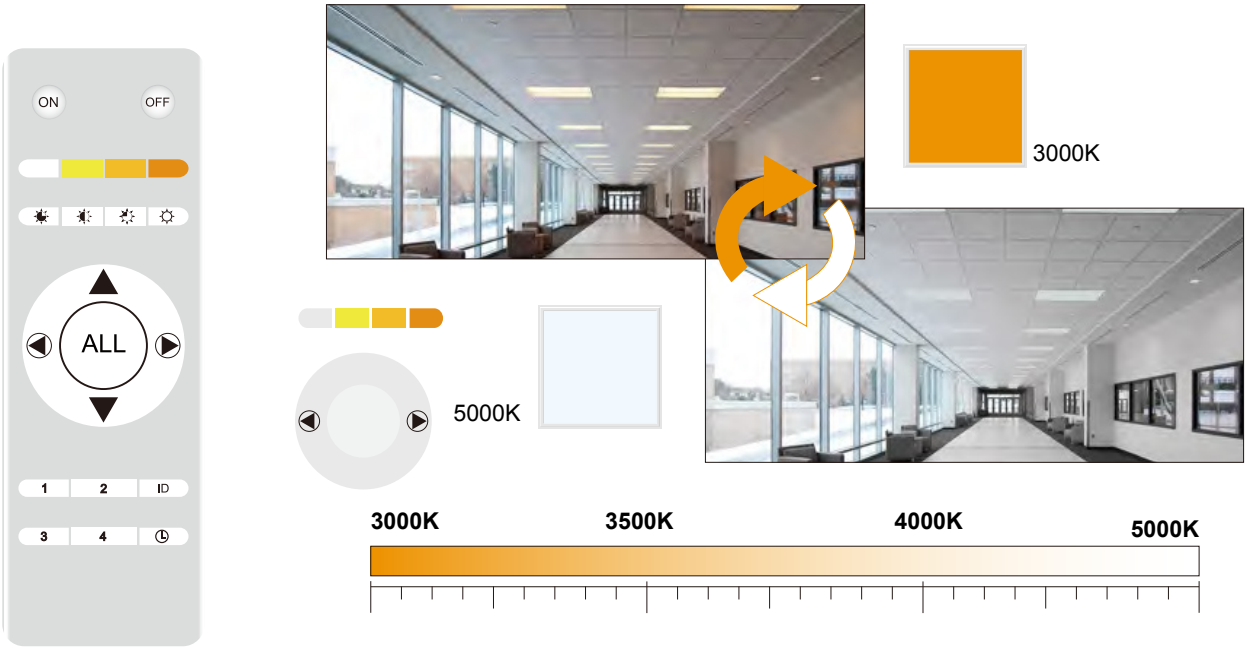

CCT can be adjusted between 3000K-5000K as you wish. Factory default setting is 4000K.

DLC LISTED PRODUCTS

Models		Classification	Technical Requirements Version No.
FPK1X440WV4	FPK2X450WV4	Standard	4.3
FPK2X240WV4	FPK2X460WV4		

PRODUCT CODE GENERATOR

Some combinations of adders may not be possible, email quotes@ecopowerinc.com for further info.

FPK [ ] [ ] [ ] – [ ]

Size

- **2X2** — 40w
- **1X4** — 40w
- **2X4** — 50w, 60w

Wattage

Voltage

V4 (100-277vAC)

Options

M40	Surface Mount
M45	Drywall Mount
RM(xx)*	Remote (qty)
WC(xx)*	Wall Control (qty)

* Also available separately

EcoPOWER advises all FPK panels be wired to a line voltage wall switch to prevent long term sync issues. When not in use for extended periods, turn panels off directly from wall switch instead of wall/handheld remote(s).

ACCESSORIES Sold separately

FPK-RM	FPK Remote Control
FPK-WC	FPK Wall Control

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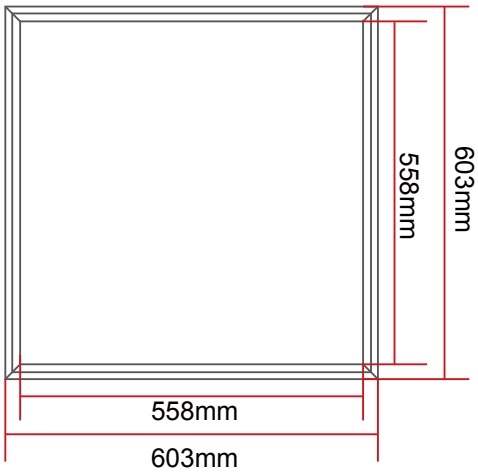
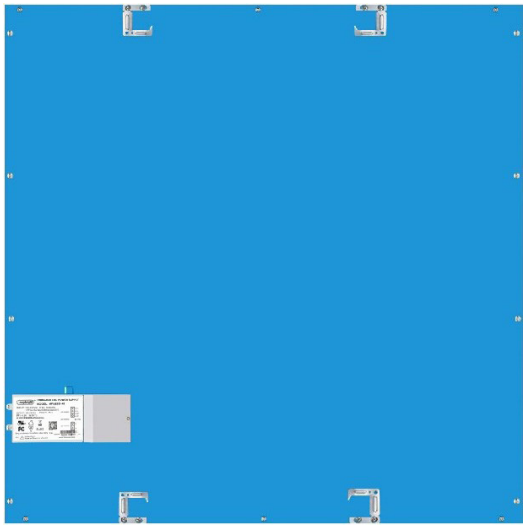
DIMENSIONS - 2X2 FT

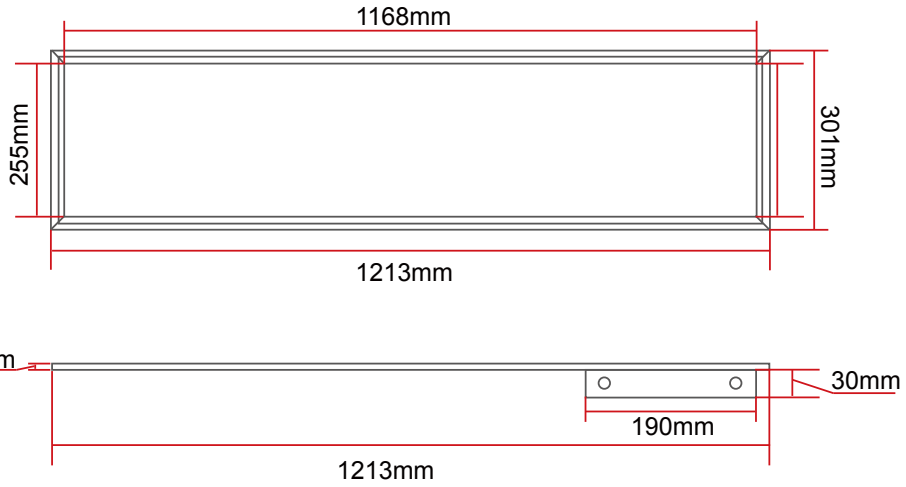




Driver box
*The minimum distance from the driver junction box to a flammable substance is 2 inches.

DIMENSIONS - 1X4 FT

Driver box
*The minimum distance from the driver junction box to a flammable substance is 2 inches.



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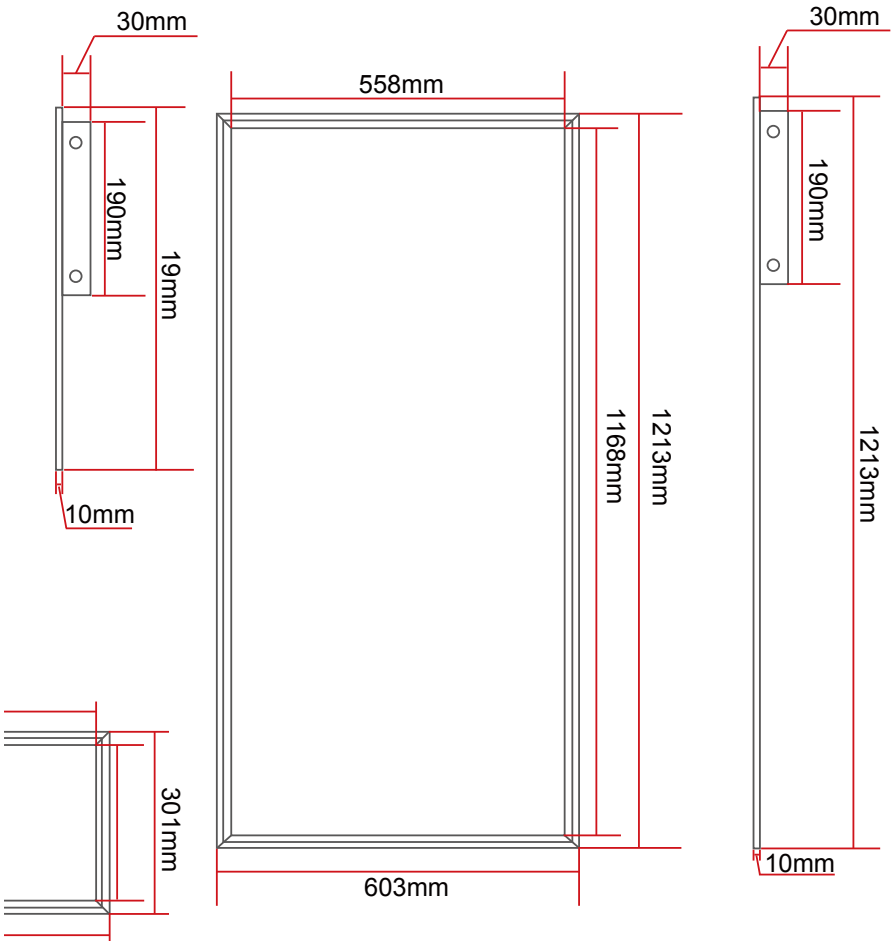
DIMENSIONS - 2X4 FT



Driver box
*The minimum distance from the driver junction box to a flammable substance is 2 inches.

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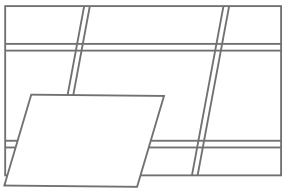
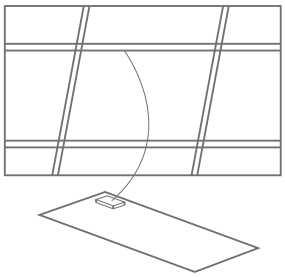
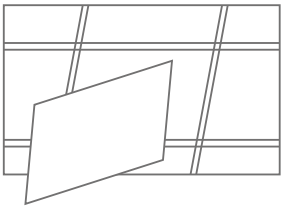
CEILING RECESS MOUNT



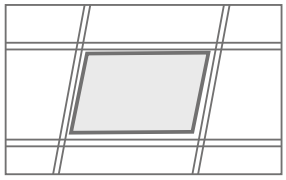
1.Remove ceiling plaster slab



2. Connect power supply

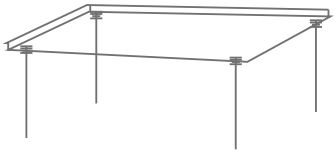


3. Fix the panel light into right place

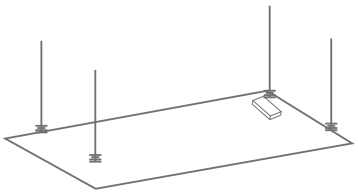


4.Stabilize the panel

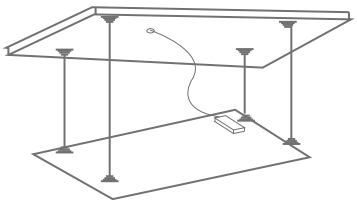
SUSPENDED MOUNT



1. A.Fix the anchor into target place on the ceiling.
   B.Fix the installation mount on the ceiling with plastic anchor.



2.Hang the panel to ceiling suspending installation kits



3. Adjust the length of steel wire.Connect the power supply

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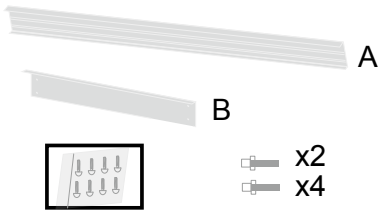
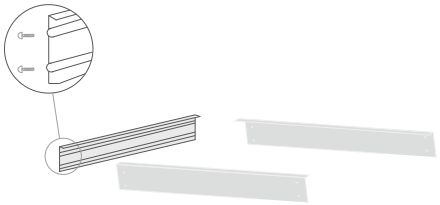
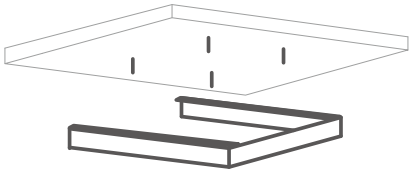
SURFACE MOUNT



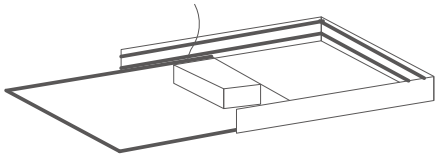
1.take both profile A and B from accessory pack.



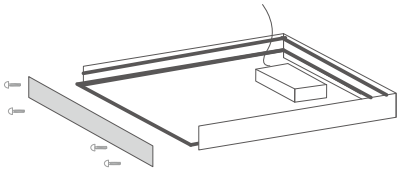
2.Assembling 3 pleces aluminum profile together with screw.



3.Fix semi-finished frame onto ceiling with screw(Plastic anchor for concrete ceiling only).



4.Slide panel into frame properly.



5.Fix the last plece of aluminnum profile with screw after panel is well placed.

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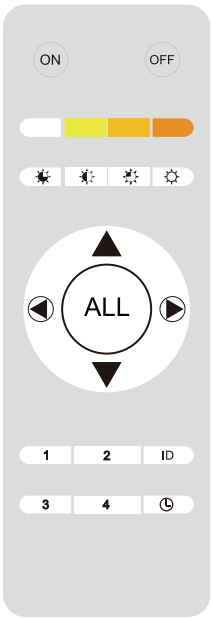
REMOTE CONTROL

ON OFF	ON Turn on OFF Turn off
ID	Syncing light to controller (with no power to panel) Hold down the ID button. The LED light on the remote will come on. Continue to hold. Power on panels. If the panels flicker, the sync is complete. Let go of the ID button.
ID + ▼	Release the code and disconnect light from remote controllerKeep Pressing the button ID ▼ together, then turn on the light, the light will flash to finish releasing the code on the lights.
1 2 3 4	Group selecting button Grouping Lights(need to finish matching code firstly)Turn off lights, keep pressing the group selecting button for 3s, then turn on light to finish grouping.
◷	Delay turn-off Press the button, ◷ the delay function works after the light flash once, and the light will be turned off after 10s. Press the button ON could cancel the delay function.
ALL	All Groups are selected

Color temperature selecting/saving

After selecting the color temperature, press the button “OFF” then turn on the light to save the color temperature.

	5000K		4000K		3500K		3000K
	25% brightness		50% brightness		75% brightness		100% brightness
▲	Increase brightness	▼	Decrease brightness	◀	Decrease color temperature	▶	ncrease color temperature



* After the light is turned on, it will automatically detect the 0-10v dimmer to set brightness. It will increase to 100% brightness if there is no dimming signal to input the light.

* When using remote controller to control, light brightness will only change from its current brightness rather than remote controller’s current brightness setting.

* For local control, power off the panel from a wall switch.

  To maintain dimming and kelvin settings, use the remote control or wall control to turn panel on and off.

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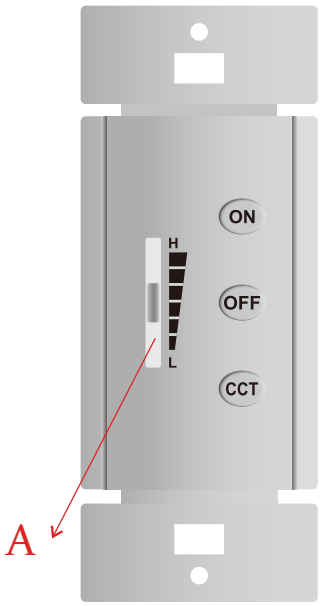
WALL REMOTE

ON OFF	ON Turn on OFF Turn off
ON + OFF	**Lights code matching combination keys** To sync panel to controller, hold the ON + OFF buttons simultaneously and keep them held down. The LED light will light up on the remote. Continue to hold. Power up panels. All panels will flicker, confirming the sync is complete. Release the ON + OFF buttons.
A	**Brightness adjustment**
CCT	Press the CCTbutton,color temperature will circularly change among 3000K/3500K/4000K/5000K.After shutting down it will save the current color temperature.

The matching method of hand-hold remote controller and wall-type remote controller

NO	Grouping	Hand-hold controller	Wall-type controller
1	1	1 + ID	ON+CCT
2	2	2 + ID	ON+CCT
3	3	3 + ID	ON+CCT
4	4	4 + ID	ON+CCT
5	ALL	ALL + ID	ON+CCT



*After 10 seconds of each operation, it will enter the standby power saving mode. If you need to adjust again, please press the **ON** button, it works after the indicator flashes.

For local control, power off the panel from a wall switch.

To maintain dimming and kelvin settings, use the remote control or wall control to turn panel on and off.

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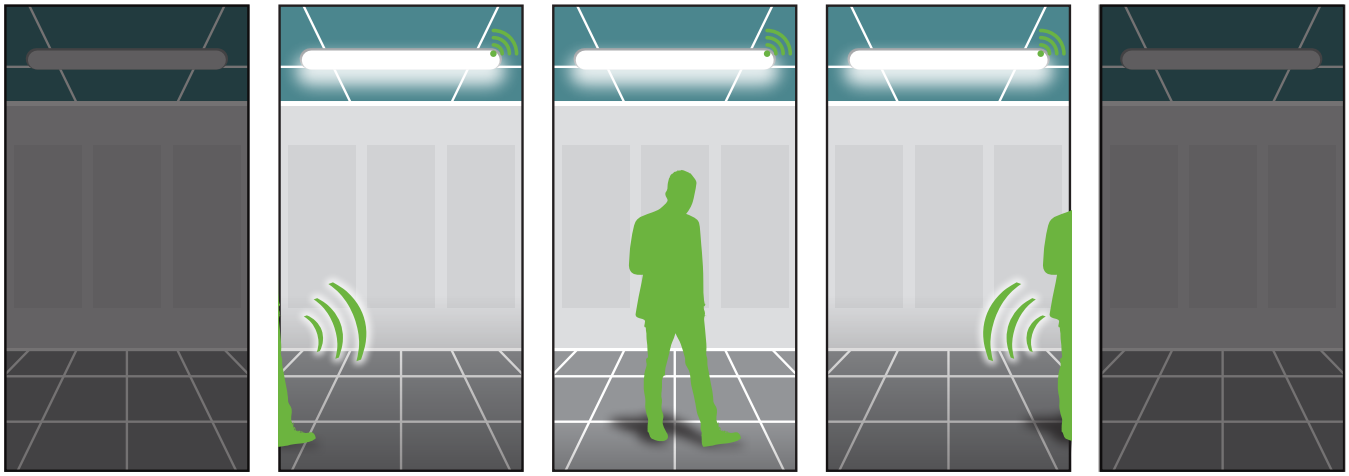
CONTROLS INTEGRATION

CONTROLS

Light when you need it. Savings when you don't.
Advanced sensors work in combination with dimming to provide full illumination only when needed, returning to a reduced level when the area is unoccupied - saving overhead on energy costs. CONTROLS systems use artificial intelligence to predict peak times on the grid and provides advanced notice about potentially expensive time, allowing you to take action to further minimize your costs by reducing your power draw.



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