FPK KELVIN ADJUSTABLE FLAT PANEL

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

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.

info@ecopowerinc.com | led.ecopowerinc.com | 1.800.564.8086

Warranty is only valid based on fixtures operating for 12 hours or less per day.
FPK KELVIN ADJUSTABLE FLAT PANEL

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

**DLC LISTED PRODUCTS**

<table>
<thead>
<tr>
<th>Models</th>
<th>Classification</th>
<th>Technical Requirements Version No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPK1X440WV4</td>
<td>FPK2X450WV4</td>
<td>Standard</td>
</tr>
<tr>
<td>FPK2X240WV4</td>
<td>FPK2X460WV4</td>
<td>4.3</td>
</tr>
</tbody>
</table>

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

**ACCESSORIES** Sold separately

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

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).
**FPK**

**KELVIN ADJUSTABLE FLAT PANEL**

**DIMENSIONS - 2X2 FT**

- 603mm x 603mm x 10mm
- 558mm x 558mm

**DIMENSIONS - 1X4 FT**

- 1213mm x 301mm x 10mm
- 301mm x 1213mm

Driver box

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

**Features & Benefits:**

- UL/cUL with isolated external power supply
- 0-10V dimmable and 2.4G Wireless & CCT dimmable LED Flat Panel
- LED Source: SMD2835 0.5W, CRI>80, LM80 report
- No need any wire connections
- MS LGP, imported from Taiwan, Anti-Yellow
- CCT adjustable from 3000K-3500K-4000K-5000K
- 5 years warranty

**Technical Specification**

- **Working Life-span:** 50,000H
- **Material:** AL+MS+PS
- **Working Temperature:** -20°C to +45°C
- **Storage Temperature:** -25°C to +65°C
- **THD:** ≤ 15%
- **PF:** ≥ 0.95 Non-flicker
- **Power Efficiency:** ≥ 90%
- **Beam Angle:** 120°
- **IP Grade:** IP40
- **Input Voltage:** AC100V, 277V, 50Hz, 60Hz

**DIMENSIONS - 2X2 FT**

- 603mm x 603mm x 10mm

**DIMENSIONS - 1X4 FT**

- 1213mm x 301mm x 10mm

Driver box

*The minimum distance from the driver junction box to a flammable substance is 2 inches.*
KELVIN ADJUSTABLE FLAT PANEL

DIMENSIONS - 2X4 FT

Driver box
*The minimum distance from the driver junction box to a flammable substance is 2 inches.
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
FPK KELVIN ADJUSTABLE FLAT PANEL

SURFACE MOUNT

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


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 piece of aluminum profile with screw after panel is well placed.
## FPK Kelvin Adjustable Flat Panel

### Remote Control

<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ON</strong></td>
<td>Turn on</td>
</tr>
<tr>
<td><strong>OFF</strong></td>
<td>Turn off</td>
</tr>
<tr>
<td><strong>ID</strong></td>
<td>Syncing light to controller (without power to panel)</td>
</tr>
<tr>
<td></td>
<td>Hold down the ID button. The LED light on the remote will come on.</td>
</tr>
<tr>
<td></td>
<td>Continue to hold. Power on panels. If the panels flicker, the sync is</td>
</tr>
<tr>
<td></td>
<td>complete. Let go of the ID button.</td>
</tr>
<tr>
<td><strong>ID + ▼</strong></td>
<td>Release the code and disconnect light from remote controller</td>
</tr>
<tr>
<td></td>
<td>Pressing the button <strong>ID ▼</strong> together, then turn on the light, the light</td>
</tr>
<tr>
<td></td>
<td>will flash to finish releasing the code on the lights.</td>
</tr>
<tr>
<td><strong>1 2 3 4</strong></td>
<td>Group selecting button</td>
</tr>
<tr>
<td></td>
<td>Grouping Lights (need to finish matching code firstly)</td>
</tr>
<tr>
<td></td>
<td>Turn off lights, keep pressing the group selecting button for 3s,</td>
</tr>
<tr>
<td></td>
<td>then turn on light to finish grouping.</td>
</tr>
<tr>
<td><strong>3</strong></td>
<td>Delay turn-off</td>
</tr>
<tr>
<td></td>
<td>Press the button <strong>3</strong> the delay function works after the light flash</td>
</tr>
<tr>
<td></td>
<td>once, and the light will be turned off after 10s. Press the button <strong>遂</strong></td>
</tr>
<tr>
<td></td>
<td>could cancel the delay function.</td>
</tr>
<tr>
<td><strong>ALL</strong></td>
<td>All Groups are selected</td>
</tr>
<tr>
<td></td>
<td>Pressing the button, then turn on the light, the light will flash to</td>
</tr>
<tr>
<td></td>
<td>finish releasing the code on the lights.</td>
</tr>
<tr>
<td><strong>ON OFF</strong></td>
<td>After selecting the color temperature, press the button “OFF” then turn</td>
</tr>
<tr>
<td></td>
<td>on the light to save the color temperature.</td>
</tr>
<tr>
<td>5000K</td>
<td>4000K</td>
</tr>
<tr>
<td>4000K</td>
<td>3500K</td>
</tr>
<tr>
<td>3000K</td>
<td>25% brightness</td>
</tr>
<tr>
<td>25% brightness</td>
<td>50% brightness</td>
</tr>
<tr>
<td>50% brightness</td>
<td>75% brightness</td>
</tr>
<tr>
<td>75% brightness</td>
<td>100% brightness</td>
</tr>
<tr>
<td>100% brightness</td>
<td>Increase brightness</td>
</tr>
<tr>
<td>▲</td>
<td>Decrease brightness</td>
</tr>
<tr>
<td>▼</td>
<td>Decrease color temperature</td>
</tr>
<tr>
<td>【】</td>
<td>Increase color temperature</td>
</tr>
</tbody>
</table>

- 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.
### Wall Remote

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Turn on</th>
<th>Turn off</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ON</strong> + <strong>OFF</strong></td>
<td>Lights code matching combination keys</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td><strong>A</strong></td>
<td>Brightness adjustment</td>
<td>Press the CCT button, color temperature will circularly change among 3000K/3500K/4000K/5000K. After shutting down it will save the current color temperature.</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>NO</th>
<th>Grouping</th>
<th>Hand-hold controller</th>
<th>Wall-type controller</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1 + ID</td>
<td>ON+CCT</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>2 + ID</td>
<td>ON+CCT</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>3 + ID</td>
<td>ON+CCT</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>4 + ID</td>
<td>ON+CCT</td>
</tr>
<tr>
<td>5</td>
<td>ALL</td>
<td>ALL + ID</td>
<td>ON+CCT</td>
</tr>
</tbody>
</table>

*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.
CONTROL INTEGRATION

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.