



Project Name: \_\_\_\_\_

Schedule / Date: \_\_\_\_\_

Notes: \_\_\_\_\_



ETL No.: Intertek 5014001

DLC Family Code: WJWWTQ

Improved **Thermal Management**

**Flicker Free and Anti-Glare**

True **100% OFF 0-10V** Dimming

**AUX PIR / DC PnP Microwave Occupancy**  
Controls with **Daylight Sensing**, **Customizable**  
Standby and **Bi-Level** Functionality

ETL Certified for Safety

DLC 6.0 Rated for Efficiency

CRI: **83** (Upgraded Color Rendering Index)

Warranty: **5 Years**

## ORDERING GUIDE

| SERIES                          | CATEGORY             | SIZE                   | WATTAGE                                                                    | CCT                                                                                 | SENSOR                     | VOLTAGE                        |
|---------------------------------|----------------------|------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|--------------------------------|
| JL                              | BPL   Back-lit Panel | 14   1x4'<br>22   2x2' | M40W   Tunable<br>15   15w<br>20   20w<br>25   25w<br>30   30w<br>40   40w | CCT   Tunable<br>35   3500k<br>40   4000k<br>50   5000k<br>57   5700k<br>65   6500k | Blank   None<br>S   Sensor | VL   120-277V<br>VH   120-347V |
| EXAMPLE: JL-BPL22-M40W-CCT-S-VL |                      |                        |                                                                            |                                                                                     |                            |                                |
| JL                              | BPL   Back-lit Panel | 24   2x4'              | M50W   Tunable<br>25   25w<br>30   30w<br>35   35w<br>40   40w<br>50   50w | CCT   Tunable<br>35   3500k<br>40   4000k<br>50   5000k<br>57   5700k<br>65   6500k | Blank   None<br>S   Sensor | VL   120-277V<br>VH   120-347V |
| EXAMPLE: JL-BPL24-M50W-CCT-S-VL |                      |                        |                                                                            |                                                                                     |                            |                                |



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## SPECIFICATIONS

| SKU            | 53-2060-XX                            |       |       | 53-2062-XX                  |       |  | 53-2061-XX                            |       |       |       |       |
|----------------|---------------------------------------|-------|-------|-----------------------------|-------|--|---------------------------------------|-------|-------|-------|-------|
| MODEL NO.      | JL-BPL22-M40W-CCT-S-[VL,VH]           |       |       | JL-BPL14-M40W-CCT-S-[VL,VH] |       |  | JL-BPL24-M50W-CCT-S-[VL,VH]           |       |       |       |       |
| Brand          | Builderspack                          |       |       | Builderspack                |       |  | Builderspack                          |       |       |       |       |
| Size           | 2' x 2'                               |       |       | 1' x 4'                     |       |  | 2' x 4'                               |       |       |       |       |
| Wattage        | 15w                                   | 20w   | 25w   | 30w                         | 40w   |  | 25w                                   | 30w   | 35w   | 40w   | 50w   |
| Efficacy       | 132.28 LPW                            |       |       |                             |       |  | 138.08 LPW                            |       |       |       |       |
| Luminous Flux  | 2098                                  | 2800  | 3480  | 4160                        | 5291  |  | 3526                                  | 4230  | 4914  | 5603  | 6904  |
| Input @120V    | 131mA                                 | 175mA | 219mA | 263mA                       | 350mA |  | 219mA                                 | 263mA | 307mA | 350mA | 438mA |
| 12Vdc Output   | Max Current 200mA                     |       |       |                             |       |  | Max Current 200mA                     |       |       |       |       |
| Color Temp.    | 3500K   4000K   5000K   5700K   6500K |       |       |                             |       |  | 3500K   4000K   5000K   5700K   6500K |       |       |       |       |
| Input Voltage  | AC120-277V, 50/60Hz                   |       |       |                             |       |  | AC120-277V, 50/60Hz                   |       |       |       |       |
| Dimmable       | 0-10V (True Off)                      |       |       |                             |       |  | 0-10V (True Off)                      |       |       |       |       |
| CRI            | 83                                    |       |       |                             |       |  | 83                                    |       |       |       |       |
| Beam Angle (°) | 110°                                  |       |       |                             |       |  | 110°                                  |       |       |       |       |
| THD            | ≤20%                                  |       |       |                             |       |  | ≤20%                                  |       |       |       |       |
| Flicker        | No Flicker                            |       |       |                             |       |  | No Flicker                            |       |       |       |       |
| Power Factor   | ≥0.9                                  |       |       |                             |       |  | ≥0.9                                  |       |       |       |       |
| IP Rate        | IP20 - Indoor                         |       |       |                             |       |  | IP20 - Indoor                         |       |       |       |       |
| Working Temp.  | -20°C ~ +55°C / -4°F ~ +131°F         |       |       |                             |       |  | -20°C ~ +55°C / -4°F ~ +131°F         |       |       |       |       |
| Storage Temp.  | -40°C ~ +60°C / -40°F ~ +140°F        |       |       |                             |       |  | -40°C ~ +60°C / -40°F ~ +140°F        |       |       |       |       |
| Lifespan       | 50,000h                               |       |       |                             |       |  | 50,000h                               |       |       |       |       |
| Pcs/Carton     | 4                                     |       |       |                             |       |  | 4                                     |       |       |       |       |
| Package Dims   | 24.80" x 24.80" x 5.71"               |       |       | 48.82" x 13.78" x 5.91"     |       |  | 48.82" x 24.80" x 5.71"               |       |       |       |       |
| Weight         | 17.88lbs                              |       |       | 20.26lbs                    |       |  | 33.69lbs                              |       |       |       |       |

## DLC Number

| Size<br>Wattage | 2 x 2'   | 1 x 4'   | 2 x 4'   |
|-----------------|----------|----------|----------|
| 15              | S-LTCB0W | S-PGWRN5 | /        |
| 20              | S-LYS6H8 | S-XS8KN2 | /        |
| 25              | S-6ORU4I | S-G4C0S7 | S-M6LL1S |
| 30              | S-MX8YG3 | S-XCL1Y9 | S-QPZLFF |
| 35              | /        | /        | S-RV8GZP |
| 40              | S-6TD97J | S-J8LPCY | S-G787ZR |
| 50              | /        | /        | S-NSZGXV |



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## PRODUCT AND CARTON DIMENSIONS

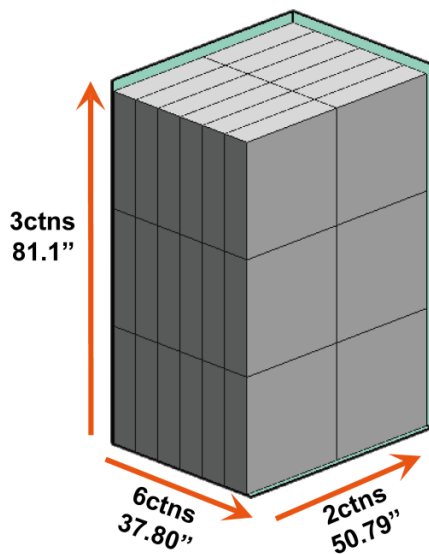
| SIZE   SKU       | DIAGRAM | DIMENSIONS                                                                                                                    |
|------------------|---------|-------------------------------------------------------------------------------------------------------------------------------|
| 2x4   53-2061-XX |         | <b>PRODUCT</b><br>47.76" x 23.74 x 1.38"<br>7.17 LBS   1 Pcs<br><b>CARTON</b><br>48.82" x 24.80" x 5.71"<br>33.69 LBS   4 Pcs |
| 2x2   53-2060-XX |         | <b>PRODUCT</b><br>23.74" x 23.74 x 1.38"<br>3.75 LBS   1 Pcs<br><b>CARTON</b><br>24.80" x 24.80" x 5.71"<br>17.88 LBS   4 Pcs |
| 1x4   53-2062-XX |         | <b>PRODUCT</b><br>47.76" x 11.93 x 1.38"<br>4.17 LBS   1 Pcs<br><b>CARTON</b><br>48.82" x 13.78" x 5.91"<br>20.26 LBS   4 Pcs |

## PALLET & CONTAINER LOADING

| SIZE   SKU    | WEIGHT     | LENGTH | WIDTH  | HEIGHT | 40' HQ LOADING QTY. |
|---------------|------------|--------|--------|--------|---------------------|
| 2x2   53-2060 | 643.68 LBS | 50.79" | 37.80" | 81.10" | 4560pcs             |
| 2x4   53-2061 | 606.42 LBS | 49.61" | 37.80" | 81.10" | 2280pcs             |
| 1x4   53-2062 | 648.32 LBS | 49.61" | 37.80" | 78.60" | 3940pcs             |

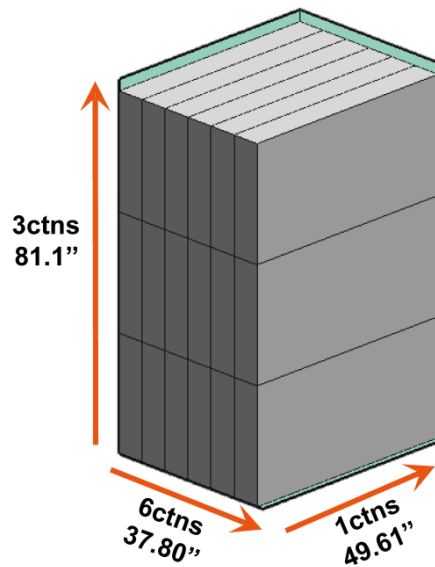
2' x 2'

36ctns/144pcs



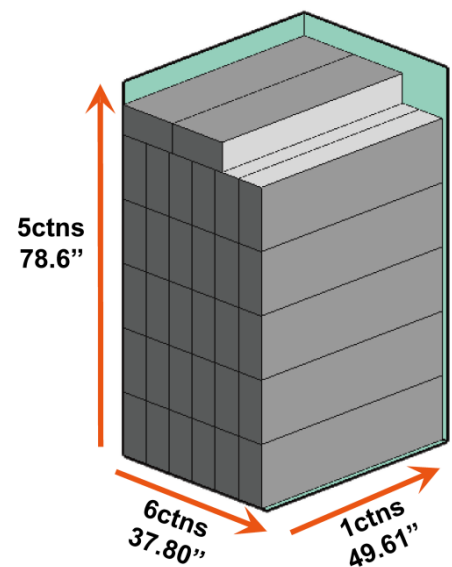
2' x 4'

18ctns/72pcs



1' x 4'

32ctns/128pcs



The above simulation diagram does not calculate the height and weight of the pallet, and the size and weight information will be slightly different from the actual situation.

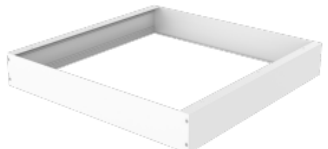


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## ACCESSORIES

| SKU        | DESCRIPTION                                   | ITEM                                                                                  |
|------------|-----------------------------------------------|---------------------------------------------------------------------------------------|
| 39-2010S   | AUX Sensor   Daylight   Bi-Level   Standby    |    |
| 78-20177-A | DC PnP Sensor   Daylight   Bi-Level   Standby |    |
| 78-20178-A | Remote with display                           |   |
| 53-2089A   | Hanging Cable Kit                             |  |
| 53-2091A   | 2x4' Surface Mount Kit                        |  |
| 53-2090A   | 2x2' Surface Mount Kit                        |                                                                                       |
| 53-2092A   | 1x4' Surface Mount Kit                        |                                                                                       |
| 53-2093A   | Junction Box                                  |  |
| 53-2094F   | 2x4' Flange Kit                               |  |
| 53-2093F   | 2x2' Flange Kit                               |                                                                                       |
| 53-2095F   | 1x4' Flange Kit                               |                                                                                       |

# INSTALLATION INSTRUCTIONS

## Safety Instruction:

Basic safety precautions should always be followed when installing, including the following:

1. Read instructions carefully before installing.
2. This LED Panel requires professional installation and maintenance.
3. The power supply of the LED Panel should be powered by a dedicated external LED driver.
4. Disconnect the power supply before installing or maintenance.
5. Make sure the wires have been properly connected before powering on the device.
6. Ensure the product has enough space for heat dissipation.
7. Ensure the luminaries are never covered by any heat insulation mat or slim layer material at anytime.
8. Suitable for damp locations.
9. Ambient Temperature: -20°C to + 45°C, Avoid direct sunlight.
10. Storage Conditions: Cool & dry conditions.

## Installation Procedure

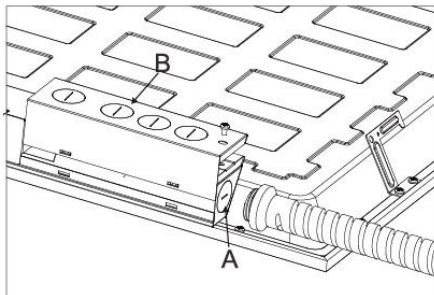
### WARNING:

1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.

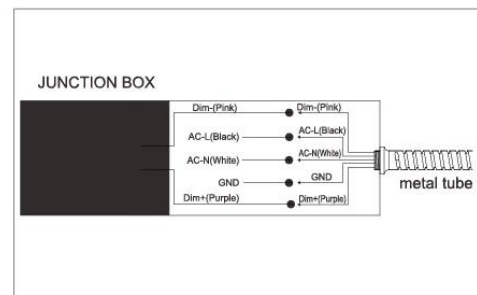


### CAUTION:

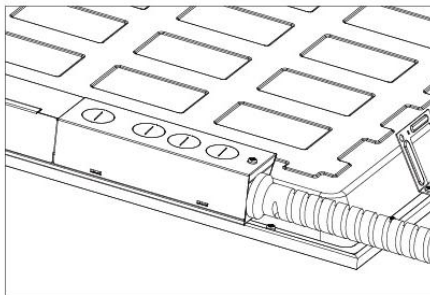
Make sure that the mounting surface or structural member used for installation can support the weight of LED Panel.



- (1) Remove the knock-down hole on box by screwdriver (Part A), Remove screw and take out the driver cover (Part B)

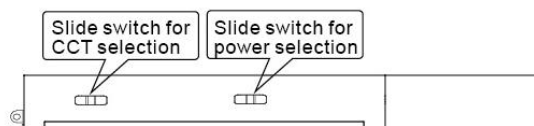


- (2) Connect the wire as the picture showing.



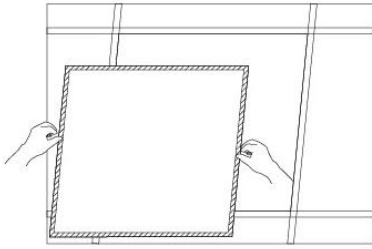
- (3) Cover the driver box and tighten it with a screwdriver, finish connection.

For the product with Slide Switch of CCT or power selection, please select the CCT or power needed before installation. (Ignore these steps if without the function)



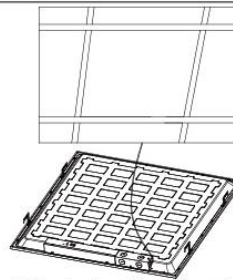
## ■ Recessed:

1



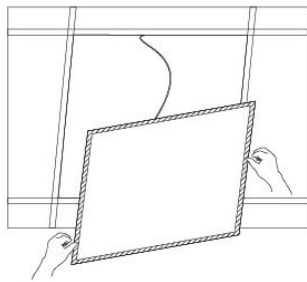
Remove the ceiling plaster slab.

2



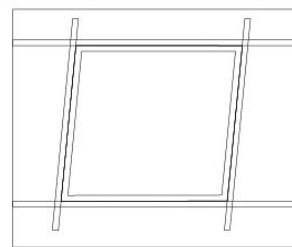
Feed the main AC wire in driver terminal block respectively, connect the panel light and driver.

3



Fix the panel light into plaster ceiling.

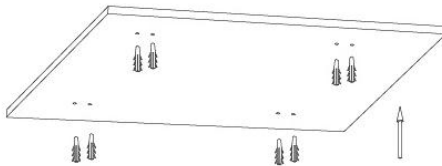
4



Make sure the led panel light is firmly fixed, turn on the power.

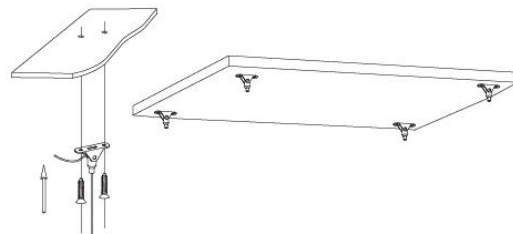
## ■ Suspended

1



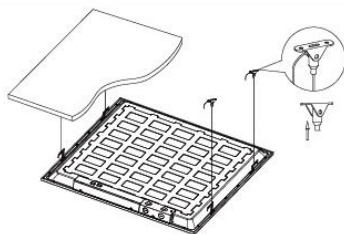
Fix the anchor into target place on the ceiling.

2



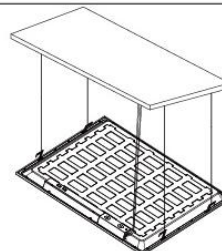
Fix the installation mount on the ceiling with plastic anchor.

3



Hang the panel to ceiling with suspended installation kits, adjust the length of steel wires.

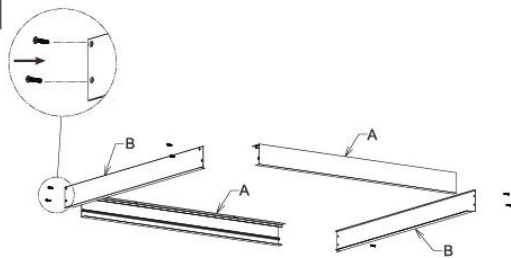
4



Feed the main AC wire in driver terminal block respectively, turn on the power.

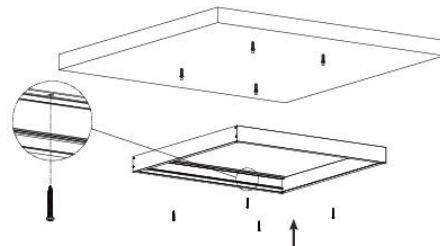
## ■ Surface mounted

1



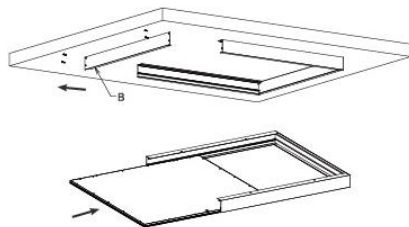
Assemble the surface mounted frame and fix by screws.

2



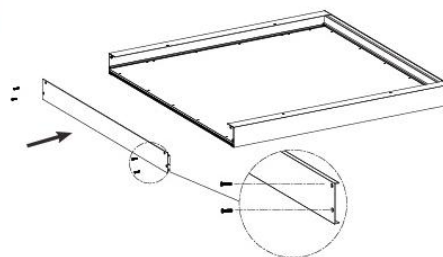
Knock the plastic anchor into ceiling, fix the surface mounted frame on the ceiling by screws.

3



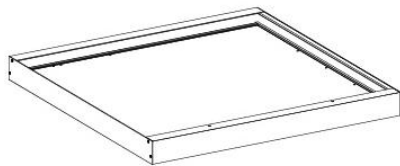
Unscrew the side frame then take out, connect the panel light to power supply, insert the panel light into the frame.

4



Fix the side frame back by screw.

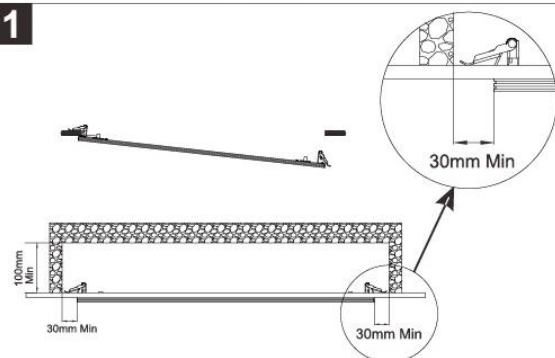
5



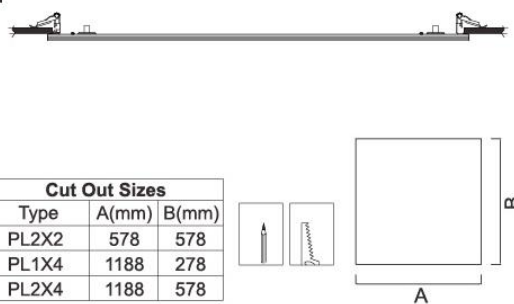
Make sure the frame and panel light are firmly fixed, turn on the power.

## Recessed Mounting(Clips)

1



2



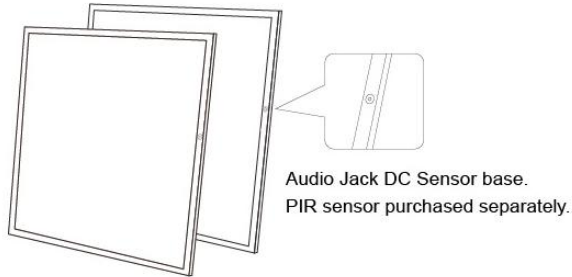
Clips can be purchased separately as an accessory.

### Warning:

Input wire diameter  $\geq 0.75\text{mm}^2$ ;

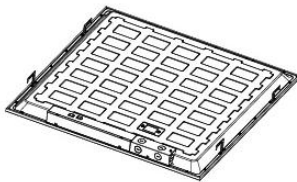
Product modification and improper installation are not valid for warranty!

## Audio jack PIR sensor



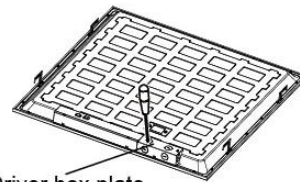
## Built-in motion sensor

1



The cover plate on the back is reserved for the back wiring installation of DC sensor.

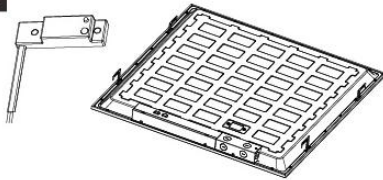
2



Driver box plate

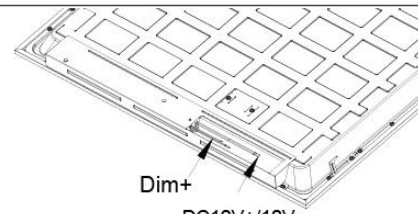
If the user needs to install the sensor, the sensor cover and driver box plate should be removed first.

3



Before installing the sensor, connect the terminal wire of the sensor with the terminal wire of driver output. Then aim the sensor at the hole of the sensor and put it on the back plate.

4



Dim+  
DC12V+/12V-

Sensor Dim+(purple)  
Sensor Dim-(yellow)  
Sensor DC12V+(red)

