



Project Name: _____

Schedule / Date: _____

Notes: _____



ETL No.: Intertek **5014001**

DLC Family Code: **WJVWTQ**

Improved **Thermal Management**

Flicker Free and Anti-Glare

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

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' 22 2x2'	M40 Tunable 15 15w 20 20w 25 25w 30 30w 40 40w	CCT Tunable 35 3500k 40 4000k 50 5000k 57 5700k 65 6500k	Blank None S Sensor	VL 120-277V VH 120-347V

EXAMPLE: **JL-BPL22-M40W-CCT-S-VL**

JL	BPL Back-lit Panel	24 2x4'	ZZ Tunable 30 25w 40 30w 50 35w 60 40w 72 50w	CCT Tunable 35 3500k 40 4000k 50 5000k 57 5700k 65 6500k	Blank None S Sensor	VL 120-277V VH 120-347V
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EXAMPLE: **JL-BPL24-M72W-CCT-S**



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SPECIFICATIONS

SKU	53-2011-XX			53-2013-XX			53-2012-XX				
MODEL NO.	JL-BPL22-M40W-CCT-S-[VL,VH]			JL-BPL14-M40W-CCT-S-[VL,VH]			JL-BPL24-M72W-CCT-S-[Blank,VH]				
Brand	Builderspack			Builderspack			Builderspack				
Size	2' x 2'			1' x 4'			2' x 4'				
Wattage	15w	20w	25w	30w	40w		30w	40w	50w	60w	72w
Efficacy	132.28 LPW						138.08 LPW				
Luminous Flux	2098	2800	3480	4160	5291		4230	5603	6904	7910	9757
Input @120V	131mA	175mA	219mA	263mA	350mA		263mA	350mA	438mA	526mA	631mA
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 Wattage	2 x 2'	1 x 4'	2 x 4'
15	S-CQFGCG	S-PGWRN5	/
20	S-LYS6H8	S-XS8KN2	/
25	S-39YS7D	S-G4C0S7	S-M6LL1S
30	S-MX8YG3	S-XCL1Y9	S-QPZLFF
40	/	/	S-G787ZR
50	S-6TD97J	S-J8LPCY	S-NSZGXV
60	/	/	S-4P2ZQZ
72	/	/	S-QZPRL3



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PRODUCT AND CARTON DIMENSIONS

SIZE SKU	DIAGRAM	DIMENSIONS
2x4 53-2012-XX		PRODUCT 47.76" x 23.74 x 1.38" 7.17 LBS 1 Pcs CARTON 48.82" x 24.80" x 5.71" 33.69 LBS 4 Pcs
2x2 53-2011-XX		PRODUCT 23.74" x 23.74 x 1.38" 3.75 LBS 1 Pcs CARTON 24.80" x 24.80" x 5.71" 17.88 LBS 4 Pcs
1x4 53-2013-XX		PRODUCT 47.76" x 11.93 x 1.38" 4.17 LBS 1 Pcs CARTON 48.82" x 13.78" x 5.91" 20.26 LBS 4 Pcs



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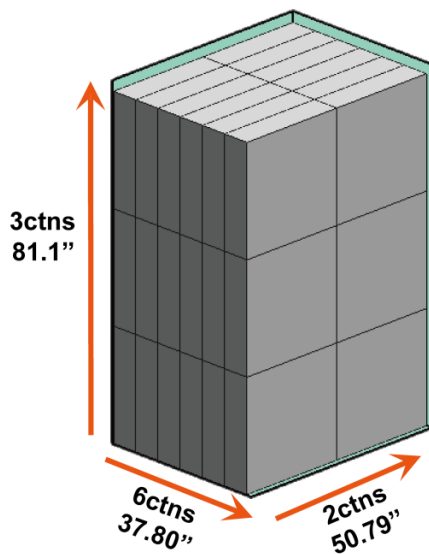
Notes: _____

PALLET & CONTAINER LOADING

SIZE SKU	WEIGHT	LENGTH	WIDTH	HEIGHT	40' HQ LOADING QTY.
2x2 53-2011	643.68 LBS	50.79"	37.80"	81.10"	4560pcs
2x4 53-2012	606.42 LBS	49.61"	37.80"	81.10"	2280pcs
1x4 53-2013	648.32 LBS	49.61"	37.80"	78.60"	3940pcs

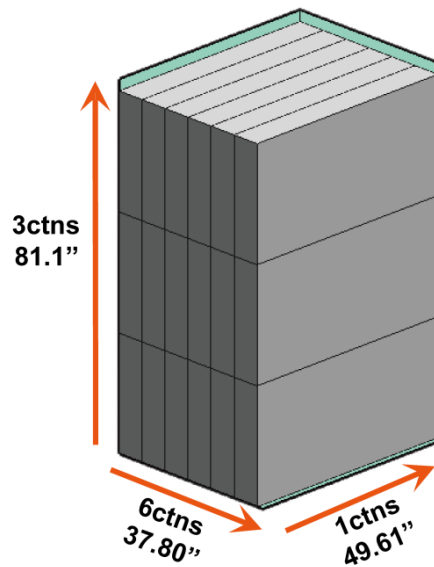
2' x 2'

36ctns/144pcs



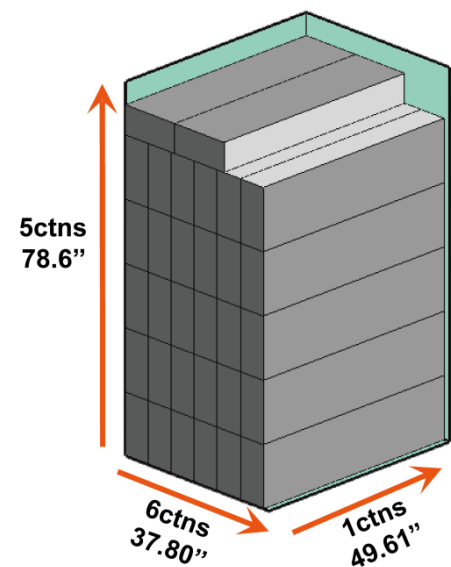
2' x 4'

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.

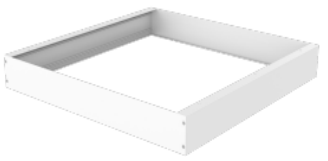


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ACCESSORIES

SKU	DESCRIPTION	ITEM
78-20179-B	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

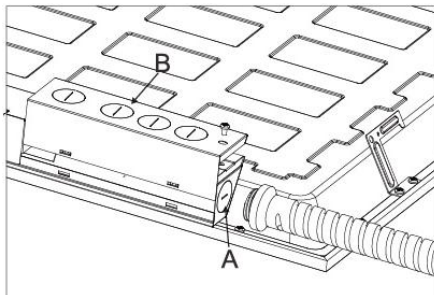
WARNING:

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

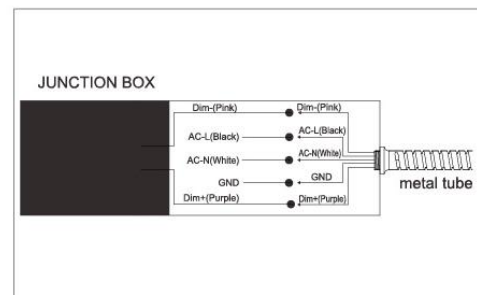


CAUTION:

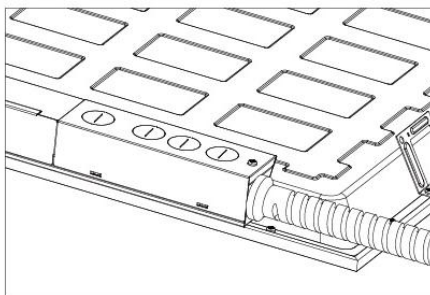
Make sure that the mounting surface or structural member used for installation can support the weight of LED Panel.



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

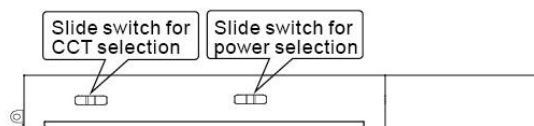


- (2) Connect the wire as the picture showing.



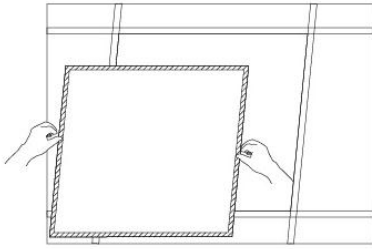
- (3) Cover the driver box and tighten it with a screwdriver, finish connection.

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)



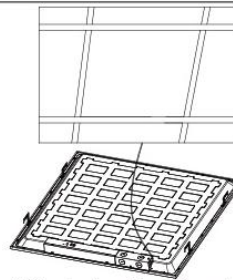
■ Recessed:

1



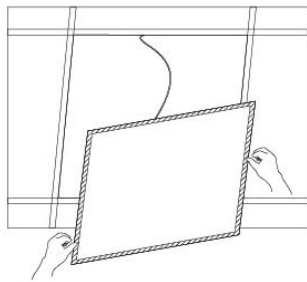
Remove the ceiling plaster slab.

2



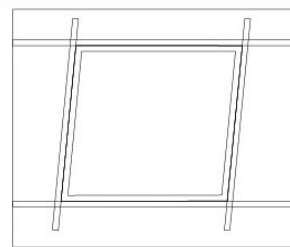
Feed the main AC wire in driver terminal block respectively, connect the panel light and driver.

3



Fix the panel light into plaster ceiling.

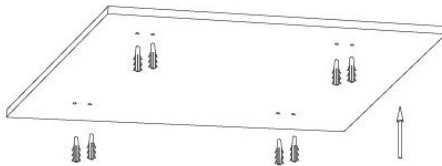
4



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

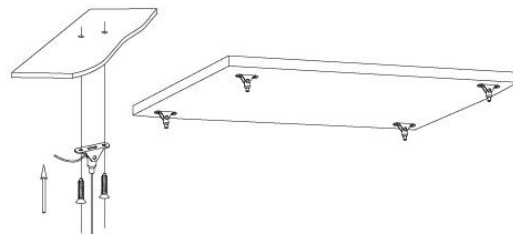
■ Suspended

1



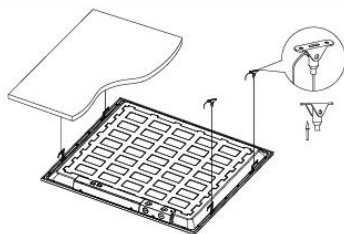
Fix the anchor into target place on the ceiling.

2



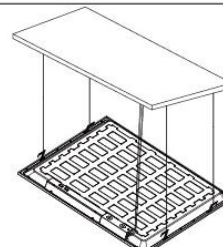
Fix the installation mount on the ceiling with plastic anchor.

3



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

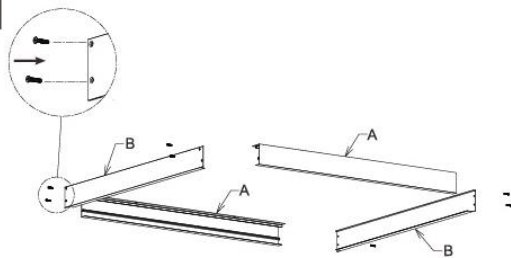
4



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

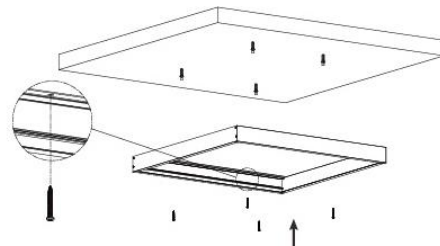
■ Surface mounted

1



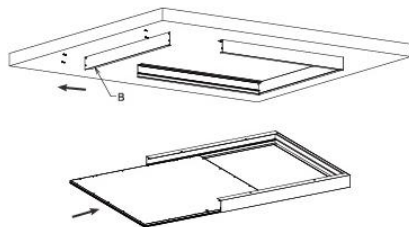
Assemble the surface mounted frame and fix by screws.

2



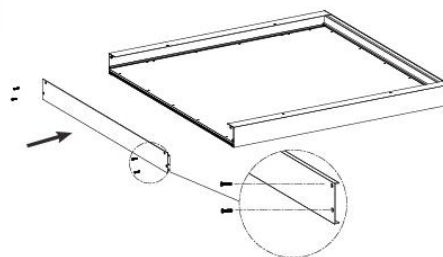
Knock the plastic anchor into ceiling, fix the surface mounted frame on the ceiling by screws.

3



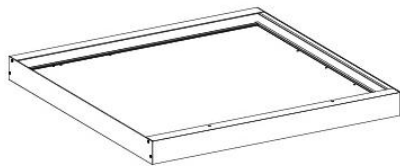
Unscrew the side frame then take out, connect the panel light to power supply, insert the panel light into the frame.

4



Fix the side frame back by screw.

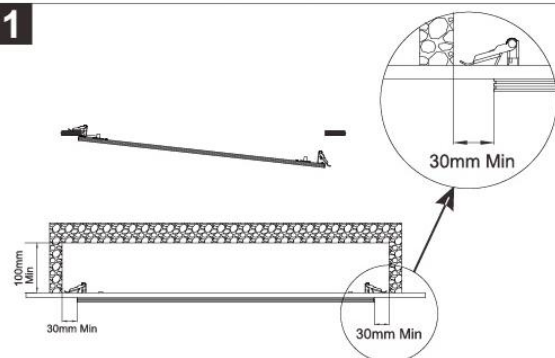
5



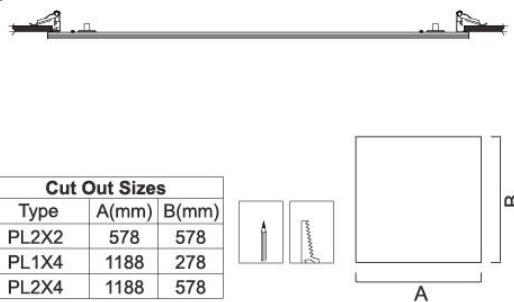
Make sure the frame and panel light are firmly fixed, turn on the power.

Recessed Mounting(Clips)

1



2



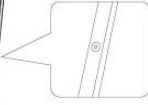
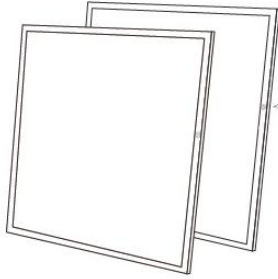
Clips can be purchased separately as an accessory.

Warning:

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

Product modification and improper installation are not valid for warranty!

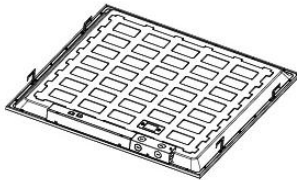
■ Audio jack PIR sensor



Audio Jack DC Sensor base.
PIR sensor purchased separately.

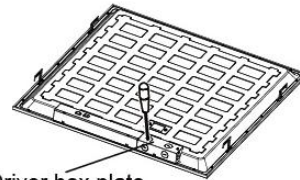
■ Built-in motion sensor

1



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

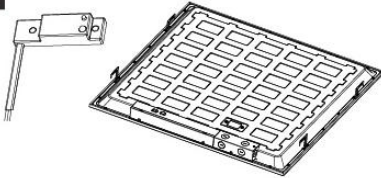
2



Driver box plate

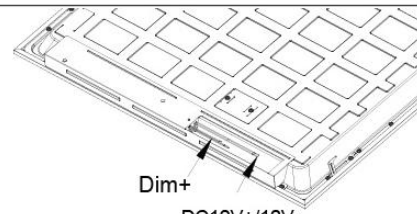
If the user needs to install the sensor, the sensor cover and driver box plate should be removed first.

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)

