libulbs

ETL No.: Intertek **5014001**

DLC Family Code: **YYYFOH**

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 5.1 Premium Rated for Efficiency

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

Warranty: **5** Year

ORDERING GUIDE

SERIES	CATEGORY	SIZE	WATTAGE	CCT	SENSOR	VOLTAGE
JL	**BPL** | Back-lit Panel	**14** | 1x4' **22** | 2x2'	**ZZ** | 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-ZZW-CCT-VL**						
JL	**BPL** | Back-lit Panel	**24** | 2x4'	**ZZ** | Tunable 30 | 30w 40 | 40w 50 | 50w 60 | 60w 72 | 50w	**CCT** | Tunable 35 | 3500k 40 | 4000k 50 | 5000k 57 | 5700k 65 | 6500k	**Blank** | None S | Sensor	**VL** | 120-277V **VH** | 120-347V
EXAMPLE: **JL-BPL24-ZZW-CCT-VL**						

SPOCIFICATIONS

SKU	53-205EM			53-207EM		53-206EM				
MODEL NO.	JL-BPL22-ZZW-CCT-[VL,VH]			JL-BPL14-ZZW-CCT-[VL,VH]		JL-BPL24-ZZW-CCT-[VL,VH]				
Brand	Kinlight			Kinlight		Kinlight				
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					135.52 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℃ ~ +55℃ / -4°F ~ +131°F					-20℃ ~ +55℃ / -4°F ~ +131°F				
Storage Temp.	-40℃ ~ +60℃ / -40°F ~ +140°F					-40℃ ~ +60℃ / -40°F ~ +140°F				
Lifespan	50,000h					50,000h				
Pcs/Carton	1					1				
Package Dims	25.40" x 25.60" x 2.96"			49.40" x 13.78" x 2.96"		25.40" x 25.60" x 2.96"				
Weight	7.74lbs			8.17lbs		13.25lbs				

DLC Number

Size / Wattage	2 x 2'	1 x 4'	2 x 4'
15	S-1ND3ST	S-HZSQBW	/
20	S-UXMDVE	S-CFK25J	/
25	S-QV5WEF	S-BKHT6M	/
30	S-OKSPQG	S-JM6RF3	S-H4LPQ8
40	S-N5B8JO	S-SCMXWU	S-JSOTUG
50	/	/	S-YXAT3K
60	/	/	S-EYXZ14
72	/	/	S-F2DRJ4

EBB SPECIFICATIONS

SKU	91-8011
Wattage	9W
Input Voltage	100-347Vac,50/60Hz
Output Voltage	150-200Vdc,250V Mac
Battery	Lithium
Recharge Duration	<24 hours
Emergency Duration	90 minutes
Power Factor	0.6@100 Vac,0.5@347 Vac
Max input Current	800 mA max
Output Current	45-60 mA
Battery Capacity	11.1V/1800mAh
Compatible LED Lamp	Max.90W LED Back-Lit Panel
Ambient Temp	0-50℃(32℉ -122℉)

EBB FETURES

UL924 listed for field or factory installation,CEC title 20 compliant

Compliance with American NFPA 101 life Safety Code

With built-in junction box.

Monthly/annual self-testing

With multi-protection function:

-Battery overcharge protection

-Battery over-discharge protection

-Output overload protection

-Short-circuit protection

-Open load protection

EBB SELF-TEST MODE

Operations	Indicator status	Working status
Self-test Mode	Lights OFF	Monthly testing
	Lights OFF	Annual testing
	Lights ON	Battery is charging or fully charged
Failure Mode	Lights Flashing	1. Thebattery pack is not connected or it is broken 2. The load is not connected 3. A short circuit may be present 4. The dimming wires are not connected properly

1. Monthly Self-Test
   It will automatically perform a monthly self-test every 30 days with a duration of 30S tocheck whether The emergency function is normal, and automatically restore to normal charging after 30S discharged

2. Annual self-test
   An annual self-test will be done every year (12 months) with a duration of more than 90mins to check Whether the capacity of the battery pack is normal, and automatically restore to normal charging After fully discharged. (the condition of annual test is that the battery pack is fully charged). If the Annual inspection is interrupted, it will be retested after recovery and when the test conditions are met. (Possibility of interruption: such as sudden power failure, sudden manual test).

EMERGENCY MODE

1. The emergency battery backup enters the emergency mode immediately after the mains power failure, the lamp lights after a delay of three seconds.
2. Stop the Emergency and return to the charging state after the mains power call.

GENERAL WIRING DIAGRAM

With Dimmer

① LED indicator&Test button wire

| Brown | 22 AWG | Test switch + |
| Blue | 22 AWG | Test switch - |

② Infrared receiver wire

Black		Infread receiver GND
Red		Infread receiver VCC
White		Infread receiver OUT

③ AC input wire

Black	18 AWG	AC L
Red	18 AWG	AC L switch
White	18 AWG	AC N
Green	18 AWG	GND

④ Dimming input wire

Sensor / Dimmer	White / Black	12Vdc +
	Purple	DIM +
	Pink	DIM - / 12Vdc -

⑤ Dimming output wire

| Dimming | Purple | DIM + output (lamp) |
| | Pink | DIM - output (lamp) |

⑥ AC output wire

| Brown | 22 AWG | Output AC L (lamp) |
| Blue | 22 AWG | Output AC N (lamp) |

*Sensor and dimmer cannot be used at the same time

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PRODUCT AND CARTON DIMENSIONS

SIZE | SKU	DIAGRAM	DIMENSIONS
2x4 | 53-2061-XX	1213mm/47.76" 35mm/1.38" 603mm/23.74"	**PRODUCT** 47.76" x 23.74 x 1.38" 9.36 LBS | 1 Pcs **CARTON** 49.40" x 25.59" x 2.96" 13.25 LBS | 1 Pcs
2x2 | 53-2060-XX	603mm/23.74" 35mm/1.38" 603mm/23.74"	**PRODUCT** 23.74" x 23.74 x 1.38" 5.95 LBS | 1 Pcs **CARTON** 25.40" x 25.60" x 2.96" 7.74 LBS | 1 Pcs
1x4 | 53-2062-XX	1213mm/47.76" 35mm/1.38" 303mm/11.93"	**PRODUCT** 47.76" x 11.93 x 1.38" 6.37 LBS | 1 Pcs **CARTON** 48.82" x 13.78" x 5.91" 8.17 LBS | 1 Pcs

PALLET & CONTAINER LOADING

SIZE	SKU	WEIGHT	LENGTH	WIDTH	HEIGHT	40' HQ LOADING QTY.
2x2	53-205EM	643.68 LBS	50.79''	37.80''	81.10''	2160pcs
2x4	53-206EM	606.42 LBS	49.61''	37.80''	81.10''	1110pcs
1x4	53-207EM	648.32 LBS	49.61''	37.80''	78.60''	1044pcs

2' x 2'

144ctns/144pcs
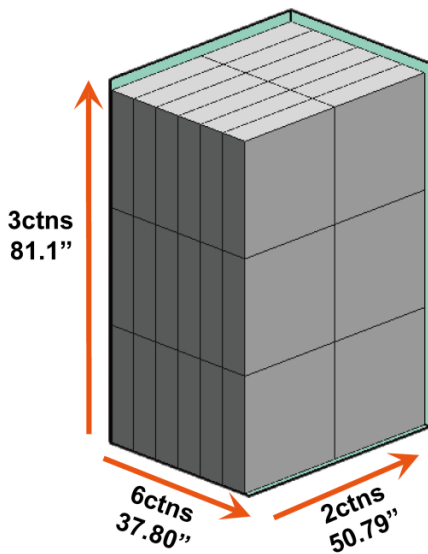
2' x 4'

72ctns/72pcs

1' x 4'

128ctns/128pcs

3ctns 81.1"   **6ctns 37.80"**   **2ctns 50.79"**

3ctns 81.1"   **6ctns 37.80"**   **1ctns 49.61"**

5ctns 78.6"   **6ctns 37.80"**   **1ctns 49.61"**
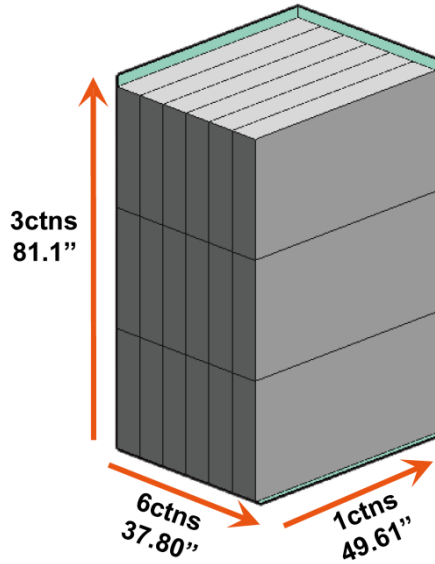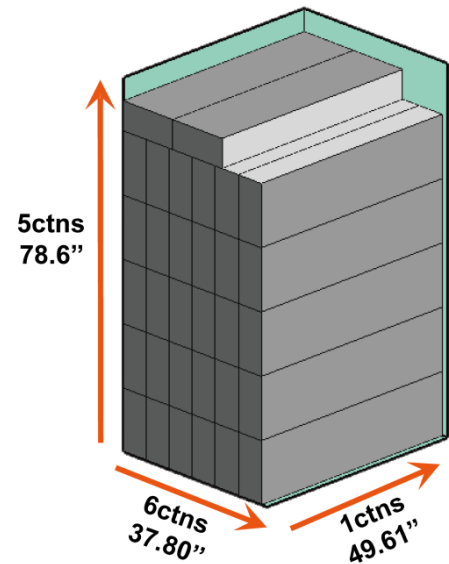
The above simulation diagram does not calculate the height and weight of the pallet, and the size and weight information will be slightly different from the actual situation.
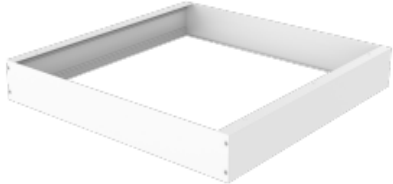
ACCESSORIES

SKU	DESCRIPTION	ITEM
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℃ to + 45℃, Avoid direct sunlight.
10. Storage Conditions: Cool & dry conditions.
11. If you have any questions about our products, please contact us! Do not disassemble, repair or modify the product without permission!

Installation Procedure

⚡ WARNING:

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

Turn Off Power Supply

⚠ CAUTION:

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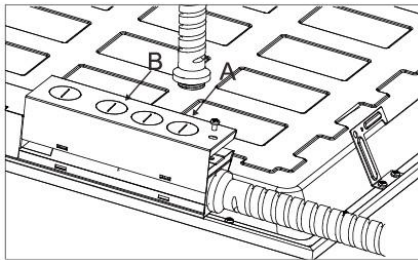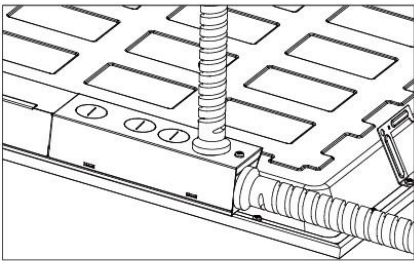
Wiring Diagram

Figure 1
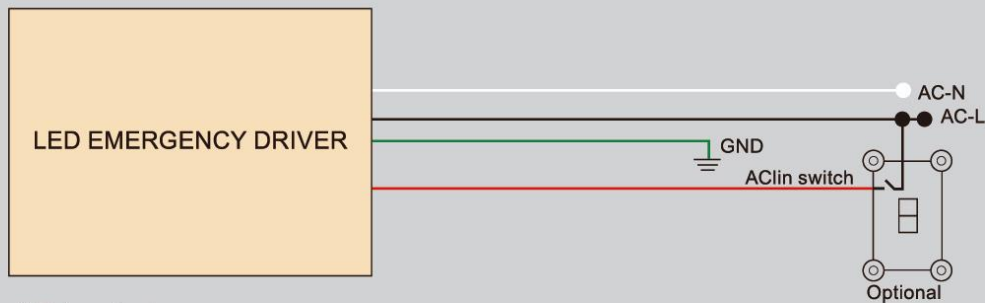
LED EMERGENCY DRIVER

AC-N
AC-L
GND
AClin switch
Optional

AC input wire

Wire color	
18AWG/Black	AC line（24/7）
18AWG/Red	AC line switch
18AWG/White	Neutra
18AWG/Green	GND ⏚

⚠ Warning：Sensor and dimmer cannot be used at the same time!

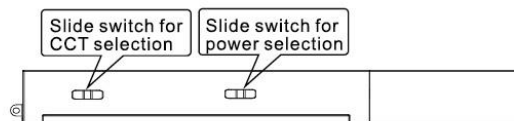(1) Remove the knock-down hole on box by screwdriver (Part A),Remove screw and take out the driver cover (Part B)

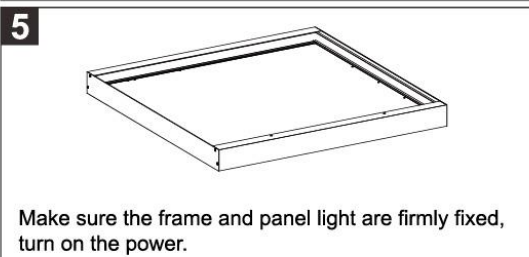(3) Cover the driver box and tighten it with a screwdriver,finish connection.

Figure 1

LED EMERGENCY DRIVER

AC-N
AC-L
ACliin switch
Optional

AC input wire

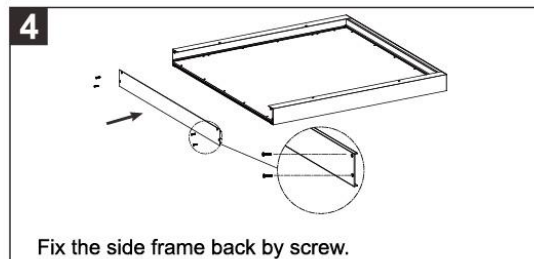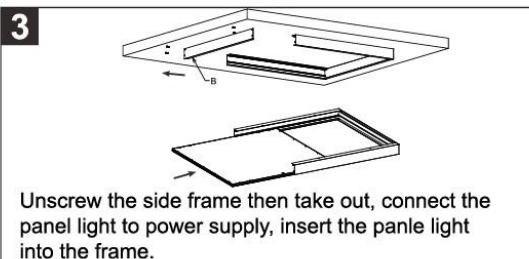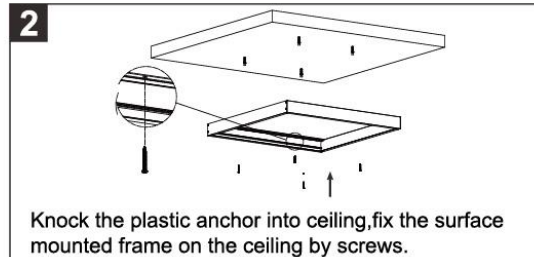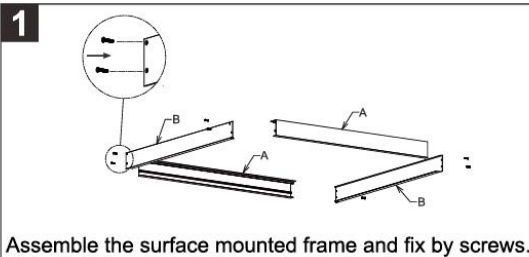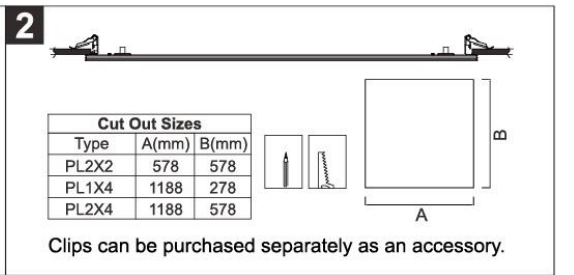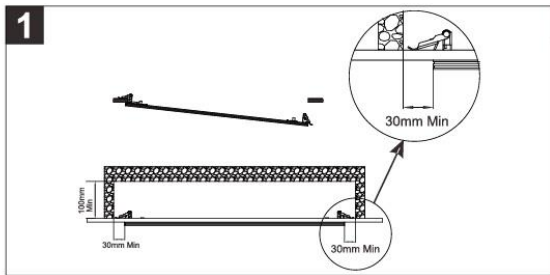| Wire color	
18AWG/Black	AC line (24/7)
18AWG/ Red	AC line switch
18AWG/White	Neutra
18AWG/Green	⏚
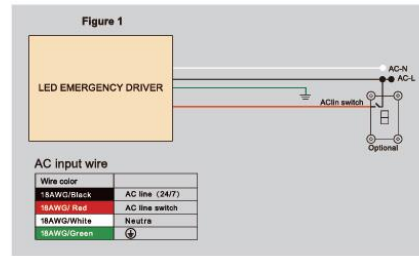
(2) Connector the wires as Figure 1.

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)
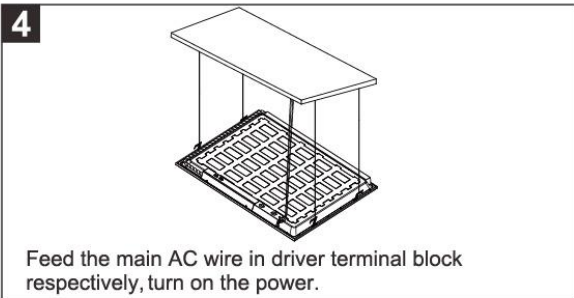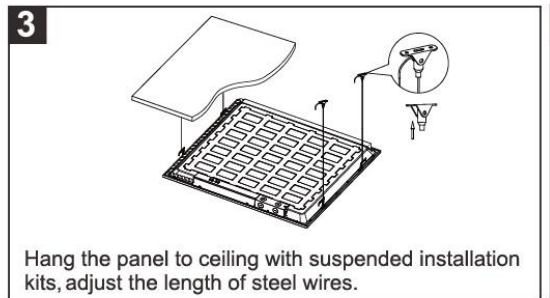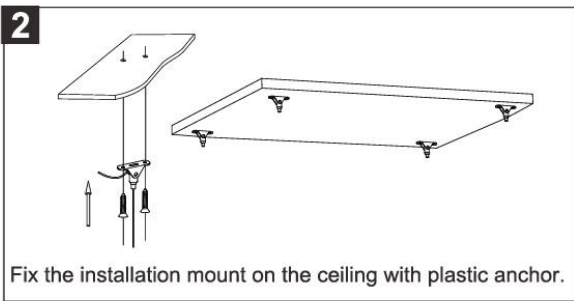

Slide switch for CCT selection

Slide switch for power selection

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 panle 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

30mm Min

100mm Min

30mm Min   30mm Min

2

Cut Out Sizes		
Type	A(mm)	B(mm)
PL2X2	578	578
PL1X4	1188	278
PL2X4	1188	578

Clips can be purchased separately as an accessory.

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.

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.

Warning:

Input wire diameter ⩾0.75mm²;
Product modification and improper installation are not valid for warranty!