



Project Name: _____

Schedule / Date: _____

Notes: _____

ETL No.: Intertek

DLC Family Code:

Construction: Designed to upgrade existing fluorescent recessed troffers without modifying the existing fixture housing or ceiling grid. Ideal for retrofit applications.

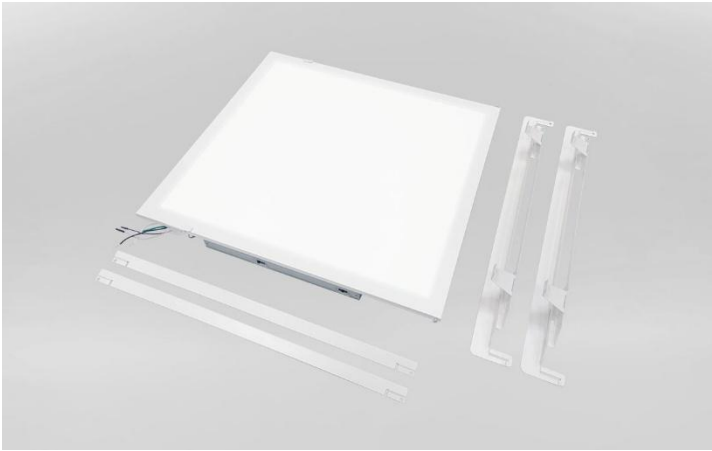
Electrical: Built with a high-quality universal voltage driver, compatible with 120–277V input. Uses long-life, high-efficacy LED packages for reliable performance.

Optical System: Back-lit optical design delivers uniform light distribution. The diffuser lens helps reduce glare and improves overall visual comfort.

Dimming: Standard continuous 0–10V dimming for smooth and flexible lighting control.

Energy savings: Provides over 50% energy savings compared with traditional fluorescent fixtures. Low heat output helps reduce maintenance requirements and operating costs.

Warranty: 5-Year Limited Warranty. Rated lifetime up to 50,000 hours. Please refer to the warranty documentation for details.



ORDERING GUIDE

SERIES	CATEGORY	SIZE	WATTAGE	CCT	SENSOR	VOLTAGE
JL	BPLK Back-lit Panel Retrofit Kit	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

EXAMPLE: **JL-BPLK22-ZZW-CCT-S-VL**

JL	BPLK Back-lit Panel Retrofit Kit	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
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EXAMPLE: **JL-BPLK24-ZZW-CCT-S-VL**



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SPECIFICATIONS

SKU	53-2102					/					53-2104				
MODEL NO.	JL-BPLK22-ZZW-CCT-S-[VL,VH]					JL-BPLK14-ZZW-CCT-S-[VL,VH]					JL-BPLK24-ZZW-CCT-S-[VL,VH]				
Brand	Kinlight					Kinlight					Kinlight				
Size	2' x 2'					1' x 4'					2' x 4'				
DLC No.	/					/					/				
Wattage	15w	20w	25w	30w	40w	30w	40w	50w	60w	72w					
Efficacy	130 LPW					130 LPW									
Luminous Flux	1950	2600	3250	3810	5000	3900	5200	6500	7500	9000					
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					0-10V									
CRI	>80					>80									
Beam Angle (°)	120°					120°									
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	26.38"x7.48"x24.8"			49.2"x8.86"x12.99"			50.39"x7.48"x24.8"								
Weight	21.14 lbs			23.02 lbs			40.3 lbs								



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PRODUCT AND CARTON DIMENSIONS

SIZE SKU	DIAGRAM	DIMENSIONS
2x4 53-2104		PRODUCT 45.43" x 1.47" x 22.08" 8.91 LBS 1 Pcs CARTON 50.39" x 7.48" x 24.8" 40.3 LBS 4 Pcs
2x2 53-2102		PRODUCT 21.41" x 1.47" x 22.08" 4.45 LBS 1 Pcs CARTON 26.38" x 7.48" x 24.8" 17.88 LBS 4 Pcs

PALLET & CONTAINER LOADING

SIZE SKU	WEIGHT	LENGTH	WIDTH	HEIGHT	40' HQ LOADING QTY.
2x2 53-2102	326 LBS	54"	40"	65.3"	3264 pcs
2x4 53-2104	362 LBS	54"	40"	65.3"	1728 pcs



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ACCESSORIES

SKU	DESCRIPTION	ITEM
78-20179-B	DC PnP Sensor Daylight Bi-Level Standby	
78-20178-A	Remote with display	
44-33008-A	Remote for Sensor	
44-33005-A	Remote for Sensor	

INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS



NOTICE

WARNING: Risk of fire or electric shock. LED Retrofit Kkit installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

WARNING: Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check for enclosed wiring and components.

WARNING: Risk of fire or electric shock. install this kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.

Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electrical components.

WARNING: To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION, PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE APPLICABLE AND APPROPRIATE ELECTRICAL CODES, THE INSTALLATION GUIDE DOES NOT SUPERSEDE LOCAL OR NATIONAL REGULATIONS FOR ELECTRICAL INSTALLATIONS.

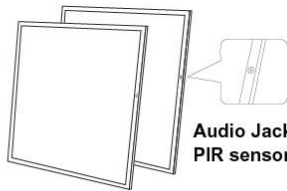
Installers should examine all parts that are not intended to be replaced by the retrofit kit for damage and replace any damaged parts prior to installation of the retrofit kit.

CAUTION: Before installing, make certain the AC power to the fixture is off.

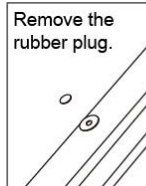
CAUTION: Rating of these products are 120-277v. installer must confirm that there is 120-277V at the fixture before installation.

CAUTION: LEDs are extremely bright. Do not look directly at the LED light source for extended time as over-exposure may cause harm to the eyes.

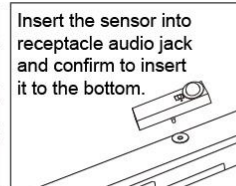
SENSOR



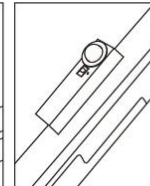
Audio Jack DC Sensor base.
PIR sensor purchased separately.



Remove the
rubber plug.



Insert the sensor into
receptacle audio jack
and confirm to insert
it to the bottom.

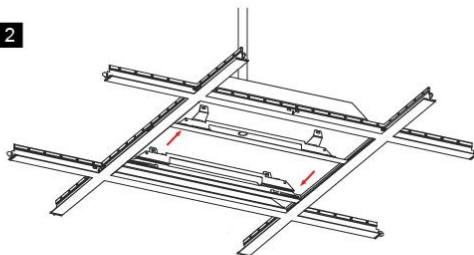


INSTALLATION

Always turn off the power supply from main circuit breaker first!

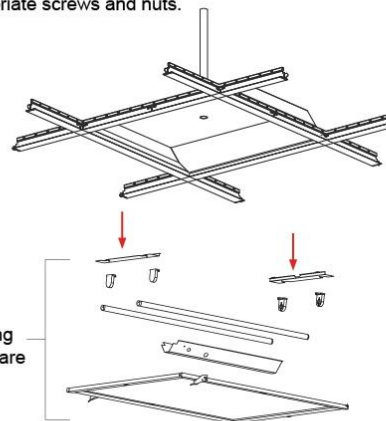
1. Dismantle accessories from the original housing (ballast, fluorescent tube, sockets, bracket and other accessories that may interfere the installation). Note: The original housing must be retained in place. Reserve the L&N wire of original housing to connect retrofit kit in later step. Plug previous holes from ballast with appropriate screws and nuts.

2



2. Insert the two main brackets into the clearance
between the housing and T-grid.

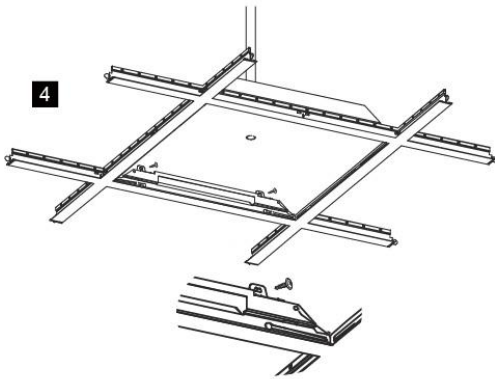
1



Existing
hardware

INSTALLATION

3. Insert the two side bars into the clearance between the brackets and the T-grid.

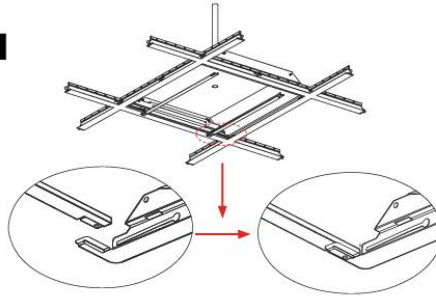


5. Embed the rotary screws on the edge of the panel into the bracket chutes. Push to the end in the direction of chutes to secure panel.

6

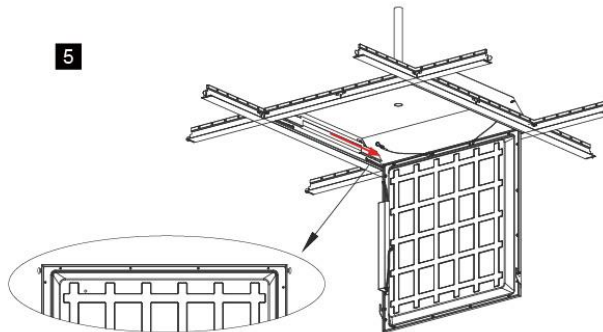
FIXTURE L N ⊕ Dim+ Dim- 12V+		Black(Line)
		White(Neutral)
		Green(Gnd)
		Purple(Dim+)
		Pink(Dim-)
		Red(12V+)

3



4. Using the included self-tapping screws, use electronic screwdriver to secure brackets into place through bracket mounting holes from inside of the fixture. Caution: Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Ensure that enclosed wiring and components have not been damaged

5

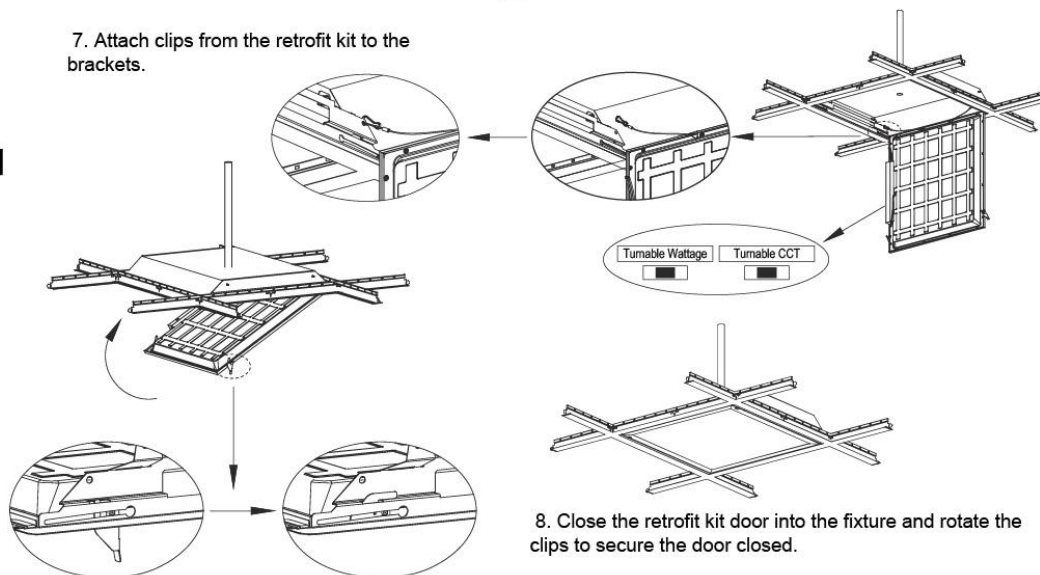


6. Connect L&N wire from original housing to the driver of the retrofit using appropriate connectors. Connect the green ground wire of the retrofit kit to the fixture with a wiring cap to ensure grounding safety.

7

7. Attach clips from the retrofit kit to the brackets.

8



8. Close the retrofit kit door into the fixture and rotate the clips to secure the door closed.

