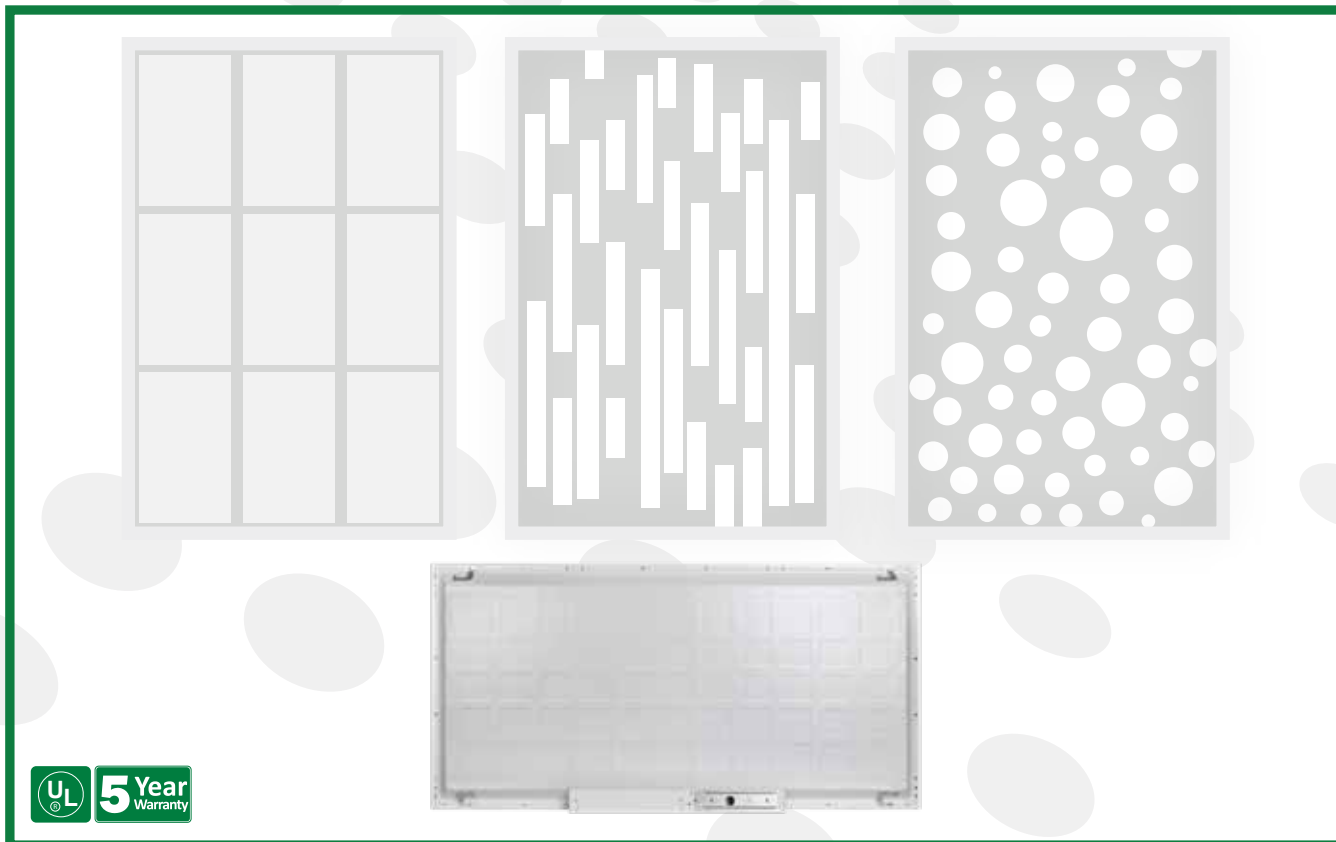




THE LASER PANEL™



SKU #	Model #
154220-1	BLT-BPLED-2x4-29/34/39/49/D10/U/35-40-50/HL
154221-1	BLT-BPLED-2x4-29/34/39/49/D10/U/35-40-50/HL
154222-1	BLT-BPLED-2x4-29/34/39/49/D10/U/35-40-50/HL

Beyond LED Technology's Laser Panels provide consistent illumination and energy-efficient performance, making them a reliable replacement for traditional fluorescent troffers. Built with a diffusing laser-cut lens, these panels deliver direct lighting with CCT adjustability and multiple wattage options. The slim, low-profile design allows for easy installation in standard ceiling systems while maintaining a clean, modern appearance. Suitable for offices, healthcare, educational, and other commercial environments, the Laser Panels offer flexibility for a wide range of lighting applications.

Product Features

- Lumens varies with design
- Adjustable Wattage 29/34/39/49W
- Adjustable CCT 4000K/5000K/6500K
- 0-10V Dimmable
- Glare free lighting with remarkable light uniformity
- Built-in standard earthquake clips
- Super slim design with durable construction
- Optional hanging or surface mounting accessories available
- Input voltage 120-277VAC
- UL Listed
- 5 year warranty

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SKU	ADJ. WATT	MAX LUMENS	ADJ. CCT	SIZE	COVER DESIGN	INPUT VOLTAGE	LIGHT SPREAD	DIMMING	CERTIFICATIONS
154220-1	29W/34W/39W/49W	Varies	4000K/5000K/6500K	2x4	Round	120-277V	90°	0-10V	UL
154221-1	29W/34W/39W/49W	Varies	4000K/5000K/6500K	2x4	Square	120-277V	90°	0-10V	UL
154222-1	29W/34W/39W/49W	Varies	4000K/5000K/6500K	2x4	Striped	120-277V	90°	0-10V	UL

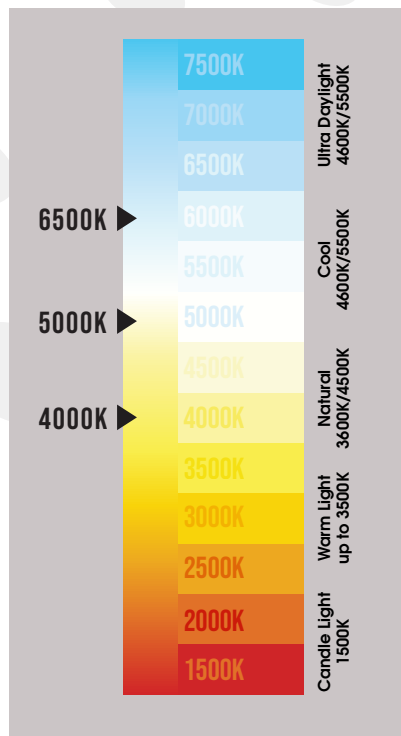
Specifications

Parameter	Description	Value
General Performance	Wattage Adjustable	29W/34W/39W/49W
	Lumen	Varies
	Lumen Efficacy	Up to 130LM/W
	Color Temperature Adj.	4000K/5000K/6500K
	CRI (Ra)	>80
	Light Spread	90° Degree
	Diffuser Type	Frosted
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	0-10V
	Power Factor	0.99
	Flicker Percent	<19%
Physical	Operating Temperature	-25°C to 40°C
	Operating Humidity	<65%RH
	Storage Temperature	-25°C to 80°C
	Storage Humidity	-25°C to 80°C
	LED Brand	Lumileds
	LED Type	SMD 2835
	LED QTY	192 Pcs
Qualification	Construction	Aluminum
	Housing Color	White
	IP Rating	DAMP (IP20)
	Warranty	5 Year

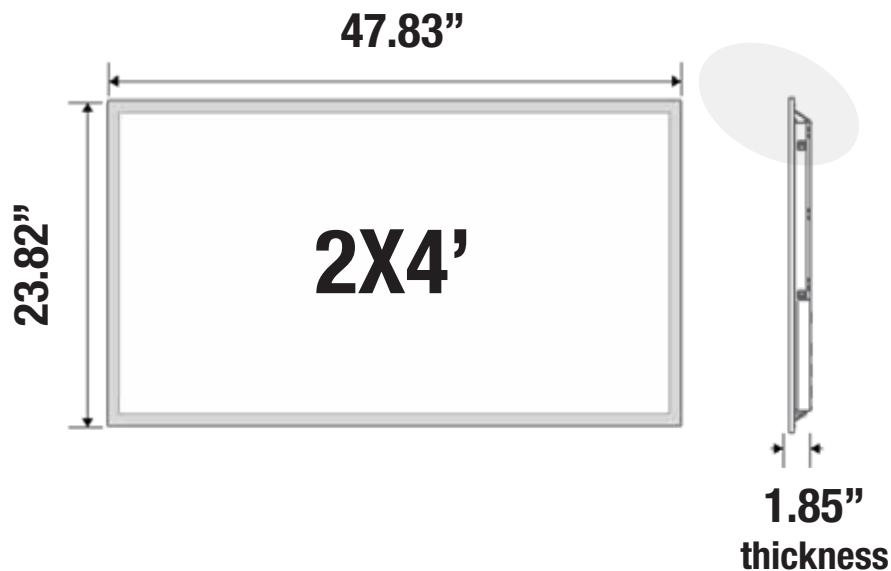


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Correlated Color Temperature (CCT)



Dimensions



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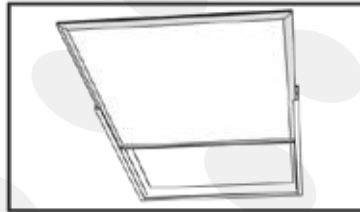
Pre-Installation

Mounting Options

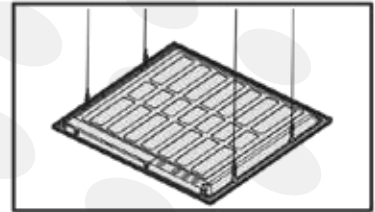
Recessed



Surface
(Requires Mounting Kit)



Pendant/Suspension
(Requires Mounting Kit)



Mounting Kit Description

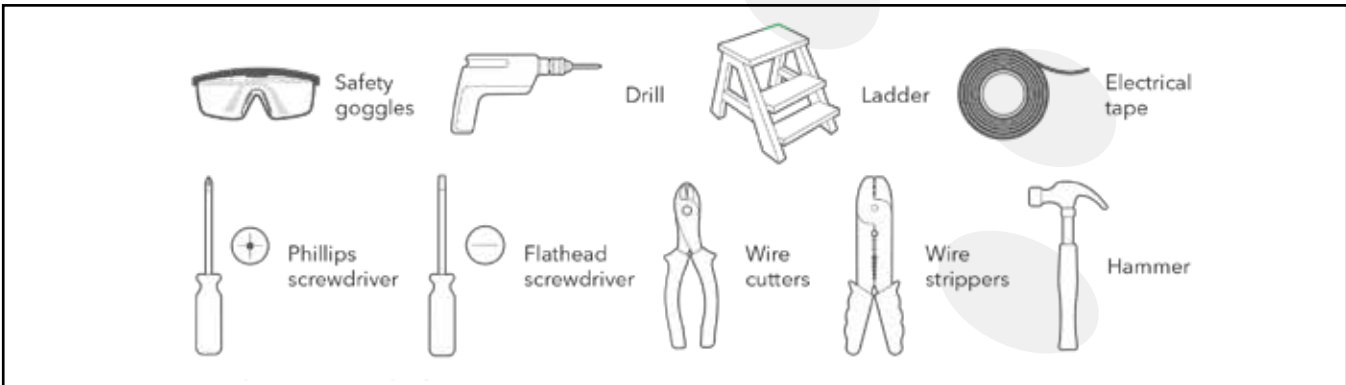
Mounting Kit Description

4-Cable Suspension Kit

Mounting Kit Description

2 x 4 Surface

Tools Required



Hardware Included



AA - Wire nuts x5

Before You Begin

1. Turn off the electricity at the circuit breaker or fuse box.
2. Choose your installation option:
 - Installation Option 1 - Flush Mount
 - Installation Option 2 - Surface Mount (Sold Separately)
 - Installation Option 3 - Pendant/Suspension Mount (Sold Separately)



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Installation Options

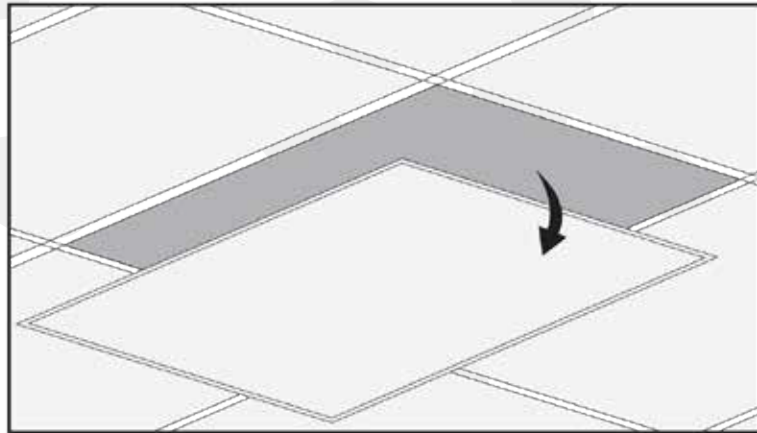
FLUSH MOUNT INSTALLATION



WARNING: Before you begin, turn the power off at the circuit breaker or fuse box to avoid electric shock.

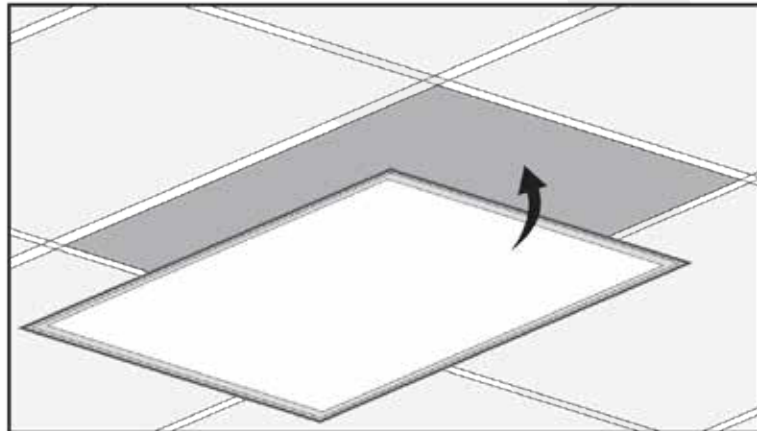
1 Removing the ceiling panel

- Remove the plasterboard panel from the ceiling.



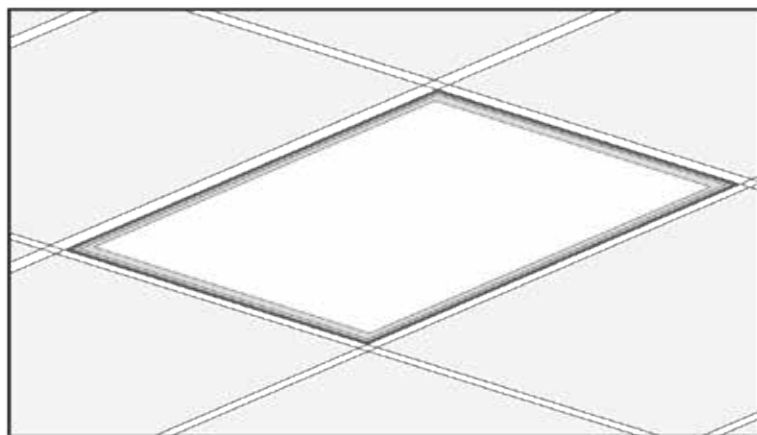
2 Connecting the wires

- Lift the fixture to the ceiling.
- Follow the steps in the **Making the Electrical Connections** section of this manual.



3 Completing the installation

- Slide the fixture into place in the ceiling.
- Restore power to the fixture.



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Mounting & Accessory Kits

RECESSED INSTALLATION



1. Pull up the earthquake hook until it is perpendicular to the panel backing. (See picture 1)
2. Bend the hook arm until it is perpendicular to the hook body. (See picture 2)
3. Hook the panel to the T-Bar until it is fully supported. (See picture 3)



Earthquake hook



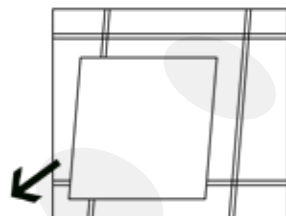


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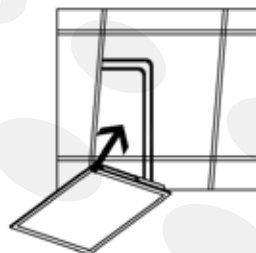
Mounting & Accessory Kits

T-BAR MOUNTING

Available for 2x4 versions only



1. Remove the plaster board from the ceiling.



2. Fix the panel into ceiling.

* T-bar mounting clips included
* Full installation instructions included

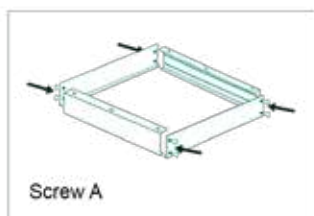
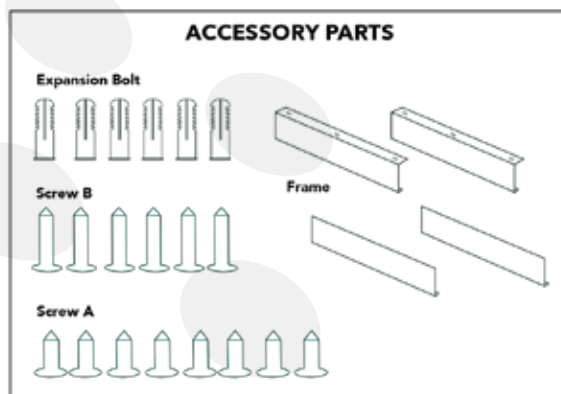


3. Installation finished.

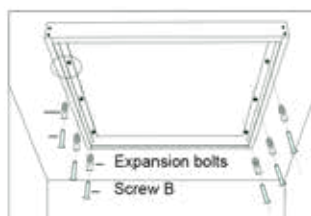
SURFACE MOUNTING KIT (OPTIONAL)

Available for 2x4 versions only

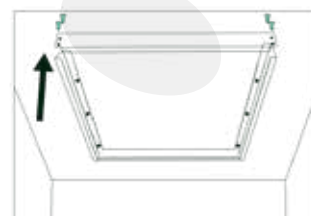
Accessory Parts List	Quantity	Size	Material
Screw A (KS 1X10)	8	0.04 inches diameter, 0.40 inches length	Zinc Coated Iron
Screw B (KA 4X25)	6	0.16 inches diameter, 0.98 inches length	Zinc Coated Iron
Expansion Bolt	6	0.24 inches diameter, 1.18 inches length	PVC
Frame	4	24.17 inches length, 2.44 inches height	Aluminum



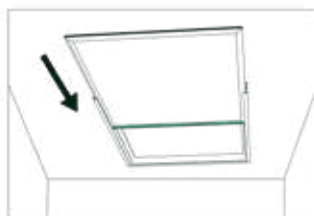
1. Assemble the four sides with 2 X screw A each to create the frame.



2. Fix the frame to the ceiling with screw B and expansion bolts.



3. Once securely mounted to the ceiling disassemble one end (without mounting screws to the ceiling).



4. Insert the panel into the frame square.



5. Reassemble the remaining end with screw A.

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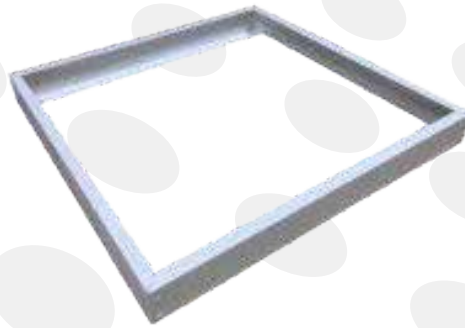


Mounting Kits

Optional Accessories



**Hanging Wire
Suspension Mounting Kit**



**SKU# 151729:
2X4 Surface Mounting Kit**





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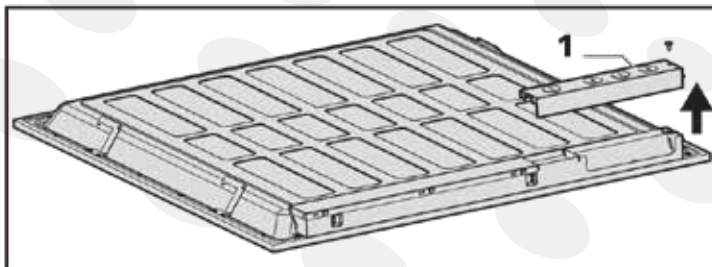
Making the Electrical Connections



WARNING: Before you begin, turn the power off at the circuit breaker or fuse box to avoid electric shock.

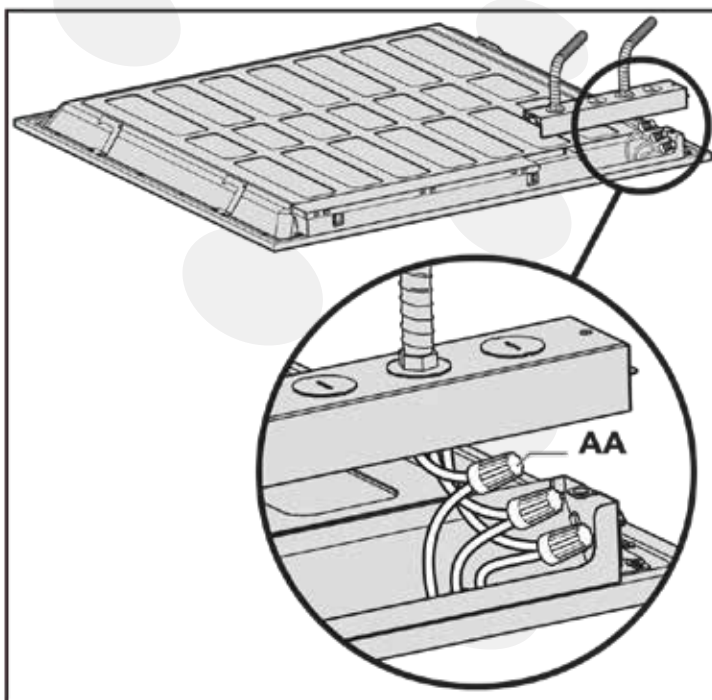
1 Open the junction box

- a. Unscrew and remove the junction box cover (1) from the fixture.



2 Connect the supply wires

- a. Connect the green ground wire from the fixture to the supply ground wire.
- b. Connect the white wire from the fixture to the supply white wire (neutral wire).
- c. Connect the black wire from the fixture to the supply black wire (live wire).
- d. Secure the three connections using three wire nuts (AA).
- e. Wrap the three wire connections with electrical tape for a more secure connection.

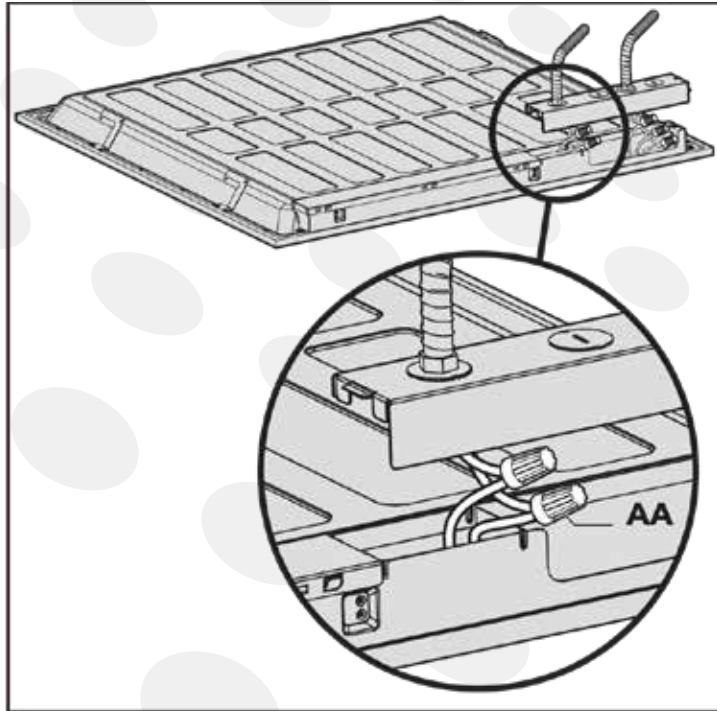




Making the Electrical Connections (continued)

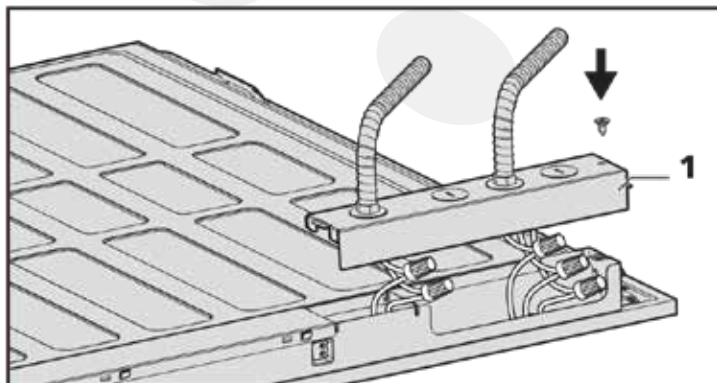
3 Connect the dimming wires

- Connect the purple wire from the fixture to the purple (DIM+) supply wire.
- Connect the gray wire from the fixture to the gray (DIM-) supply wire.
- Secure the two connections using two wire nuts (AA).
- Wrap the two wire connections with electrical tape for a more secure connection.



4 Reinstall the junction box cover

- Position the wires back inside the junction box.
- Reinstall the junction box cover (1).





THE LASER PANEL™

Safety Information



IMPORTANT: THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE NATIONAL ELECTRICAL CODE AND LOCAL BUILDING CODES BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

SAVE THESE INSTRUCTIONS.



WARNING: Before installation or servicing, turn the power OFF at the circuit breaker or fuse. Place tape over the circuit breaker switch and verify power is OFF at the light fixture.



WARNING: Ground the fixture to avoid potential electric shock.



WARNING: Wear gloves when handling the fixture as edges are sharp.



CAUTION: Connect the fixture to a 120/277 Volt, 60 Hz power source. Any other connection voids the warranty.

NOTICE: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authorization to operate this equipment.



IMPORTANT: The device is tested and found to comply with Part 15 of the FCC Rules. Operation is subject to two conditions: (1) This device may not cause harmful interference and, (2) this device must accept any interference received, including any interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

The equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

THE LASER PANEL™



Packaging

SKU #	Size	Pcs/Box	Dimensions	Weight	Pallet Quantity	Pallet Weight	Pallet Dimensions
1540220-1	2X4	4	49"X26"X9"	41 Lbs.	60 Pcs	645 Lbs.	52"X50"X84"
1540221-1	2X4	4	49"X26"X9"	41 Lbs.	60 Pcs	645 Lbs.	52"X50"X84"
1540222-1	2X4	4	49"X26"X9"	41 Lbs.	60 Pcs	645 Lbs.	52"X50"X84"

Application





THE LASER PANEL™

Application



Warranty

This product is covered under a 5-year warranty. For complete warranty details, [Click Here.](#)