

WARNING READ BEFORE INSTALLATION

- DO NOT install in wet locations.
- This fixture should only be powered by USAI 24V drivers. Use of non-USAI drivers may damage the fixture and void the warranty.
- See table below for wattage capacity of drivers or spec sheets for more detailed information.
- The drivers must be installed in accordance to national and local electrical codes

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS

1. Read all these instructions before starting installation.
2. Keep these instructions in a safe place for future reference.
3. Only qualified electricians in accordance to local codes should install these fixtures.
4. De-energize the electrical circuit at circuit breaker prior to Installation process.
Do not "hot swap" fixtures. Always ensure power is off before making any changes to installation.
5. The fixture is not user serviceable. Do not open the fixture.

1. POWER SUPPLY INFORMATION

A. DRIVER OPTIONS:

		MAXIMUM NUMBER OF LINEAR FEET PER DRIVER				
		DRIVER	PRIMARY VOLTAGE	WATTS	MAX RUN LENGTH ¹	
					LLSW	LLHW
DIMMING ²	LPS24VDC1	120VAC	100	15'	10'	
	LPS24VDC1-300 ³	120VAC	3X 100	3X 15'	3X 10'	
	LPS24VDC1-48	120VAC	40	7'	5'	
	LPS24VDC2	277VAC	100	15'	10'	
	LPS24VDC2-300 ³	277VAC	3X 100	3X 15'	3X 10'	
NON-DIMMING	LPS24VDC3	100/277VAC	100	22'	15'	
	LPS24VDC3-60	100/277VAC	60	11'	6'	
OUTDOOR NON-DIMMING	LPS24VAC1	120VAC	100	27'	17'	
	LPS24VAC1-300 ³	120VAC	3X 100	3X 27'	3X 17'	
	LPS24VAC2	277VAC	100	27'	17'	

IMPORTANT: Drivers must be mounted in a well ventilated area with 6" minimum (12" for VAC Drivers) of air space around driver.

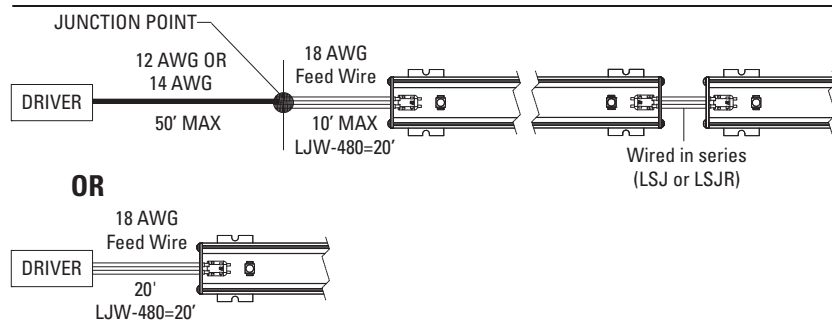
1. Assumes no excessive jumper lengths and driver is wired as shown in Remote Driver Wiring Diagram below
2. Use only low voltage magnetic dimmers.
3. All three runs must dim as one.

B. RECOMMEND DRIVER DISTANCE FOR REMOTE DRIVER WIRING:

The remote driver / transformer mounting distance is 60 FT MAX using 50 FT of #12 AWG or #14 AWG wire and 10 FT MAX of 18 AWG wire. If actual product run length is two feet less than maximum (see chart above), a mounting distance of 110 FT MAX, using 100 FT #12 AWG or #14 AWG wire and 10 FT of 18 AWG wire, is acceptable. Alternatively, run may be wired using 20 FT of 18 AWG wire with a max of 30 FT of 18 AWG wire including jumper wire. See depiction below.

Fixture only accepts 18 awg (pretinned and bonded) wire

REMOTE DRIVER WIRING



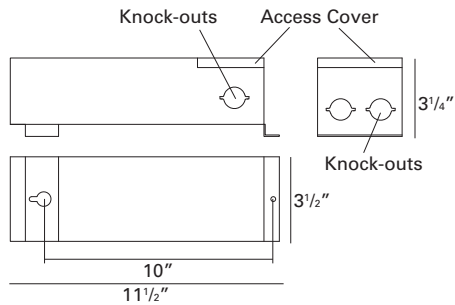
THE ONE™ Linear LED

INSTALLATION INSTRUCTIONS

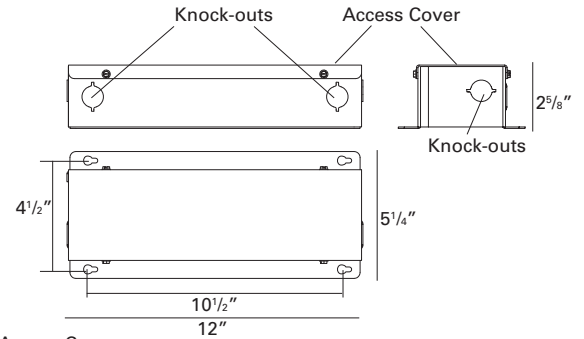
C. DRIVER INSTALLATION:

Check the labels to be sure the driver is the right voltage and wattage for the job. The driver must be installed in a well ventilated area and free from explosive gases. Failure to install properly could cause overheating and tripping. MAXIMUM ambient operating temperature must not exceed 50°C. Driver can be mounted with #8 screws.

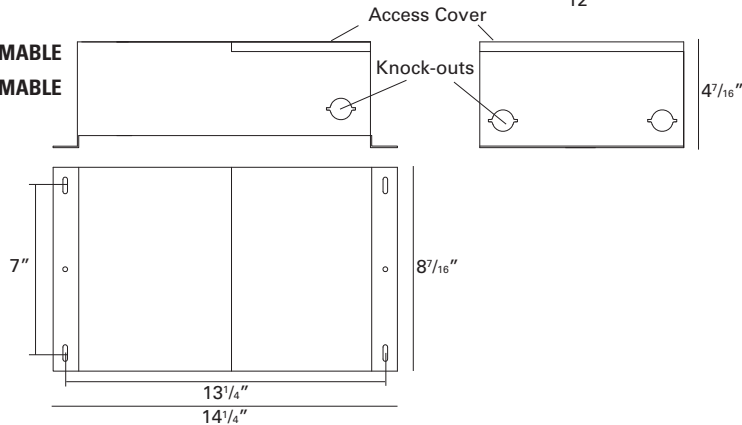
- LPS24VDC1: MAGNETIC 120VAC-24VDC SEC.-DIMMABLE
- LPS24VDC2: MAGNETIC 277VAC-24VDC SEC.-DIMMABLE
- LPS24VDC1-48: MAGNETIC 120VAC-24VDC SEC.-DIMMABLE



- LPS24VDC3: ELECTRONIC 120/277VAC-24VDC SEC.
- LPS24VDC3-60: ELECTRONIC 120/277VAC-24VDC SEC.



- LPS24VDC1-300: MAGNETIC 120VAC-24VDC SEC.-DIMMABLE
- LPS24VDC2-300: MAGNETIC 277VAC-24VDC SEC.-DIMMABLE

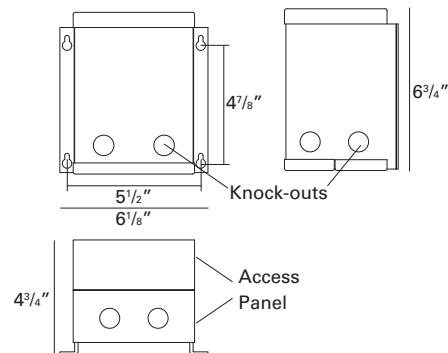


OUTDOOR USE ONLY

Check the labels to be sure the transformer is the right voltage and wattage for the job. The transformer must be installed in a well ventilated area and free from explosive gases. The transformer must be mounted vertically with the circuit breaker at the bottom of the unit. Minimum installation clearance is 6" on each side. Must be installed at least 12" above grade. Failure to install properly could cause overheating and tripping. Transformer can be mounted with (4) #8 screws.

IMPORTANT: This is an air cooled transformer and must have unrestricted air flow for proper operation. Do not store items on top of transformer.

- LPS24VAC1 – MAGNETIC 120VAC INPUT – 24VAC SEC.
- LPS24VAC1-300 – MAGNETIC 120VAC INPUT – 24VAC SEC.
- LPS24VAC2 – MAGNETIC 277VAC INPUT – 24VAC SEC.



D. DIMMING INFORMATION:

WARNING: Confirm the power supply is dimmable. See driver options chart. Information given below applies only to power supplies supplied by USAI.

Light Strips must only be dimmed with low voltage magnetic dimmers. A 600 watt dimmer may control as many as (4) 100 watt power supplies, while a 1000 watt dimmer may control as many as (7) 100 watt power supplies. Dimmer switch is installed on primary side of driver. When using a microprocessor based or "smart" dimmer, the dimmer must have a neutral connection.

WARRANTY: USAI warrants that its products are free from defects in material and workmanship. USAI obligations expressly limited to repair or replacement without charge at USAI's factory after prior written return authorization has been granted. This warranty shall not apply to products which have been altered or repaired outside of USAI's factory. This warranty is in lieu of all other warranties, expressed or implied, and without limiting the generality of the foregoing phrase, excludes any implied warranty or merchantability. Also, there are no warranties which extend beyond the description of the product on the company's literature setting forth terms of sale.

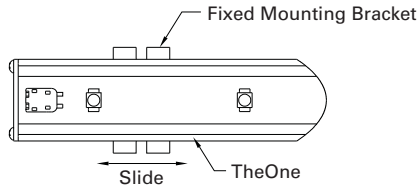
2. LED INFORMATION

A. MOUNTING:

FIXED MOUNTING (FM):

Position the fixture on a rigid surface, slide the mounting plates to the desired location and attach with #4 screws.

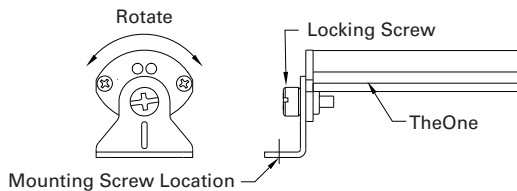
NOTE: If additional fixtures are connected, please refer to the straight joiner instructions prior to affixing the mounting plate.



ROTATING MOUNT (RM):

Position the fixture on a rigid surface. Utilizing #4 screws affix the brackets to the surface. Loosen the locking screw and rotate to the desired angle and tighten the locking screw.

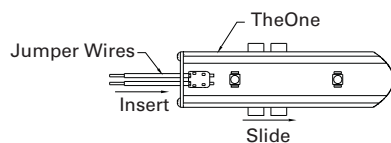
NOTE: Each individual rotating bracket must be adjusted individually.



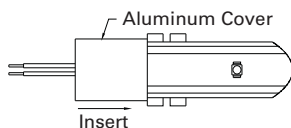
B. JOINERS:

STRAIGHT CONNECTOR (LSJ):

1. Insert the two Jumper Wires into one end of the fixture. Make sure the wires are pushed in until they stop.

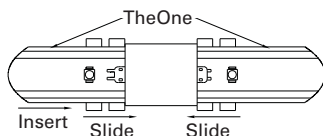


2. Slide the Metal Cover over the end of the fixture with the jumper wires.



3. Position and insert the next fixture into the jumper wires. Push firmly until the wires are totally seated.

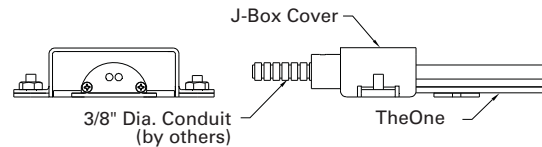
4. Align the two fixtures, and slide the cover over the two ends. Slide the fixed mounting plates to hold the metal cover in-place and affix using #4 screws.



JOINERS: (Continued)

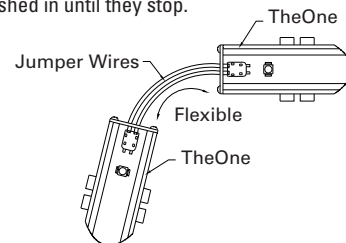
END FEED CONNECTOR (LEF):

Position the fixture with the Junction box in the desired position. Remove the cover, and connect conduit and supply wires. Re-install the cover once all the connections have been completed. – **NOT REQUIRED. FOR USE WHERE COMPLETE WIRE ENCLOSURE IN CONDUIT IS REQUIRED.**



FLEXIBLE CORNER CONNECTOR (LFJ):

1. Insert the two Jumper Wires into one end of the fixture. Make sure the wires are pushed in until they stop.

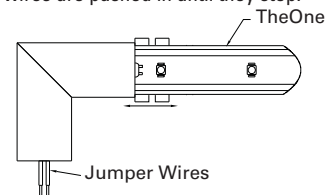


2. Position and insert the next fixture into the jumper wires. Push firmly until the wires are totally seated.

3. Rotate the fixtures to the desired position and affix using #4 screws.

FIXED 90° CORNER CONNECTOR (LCJ):

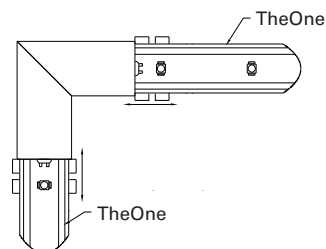
1. Insert the two Jumper Wires into one end of the fixture. Make sure the wires are pushed in until they stop.



2. Slide the Metal Cover over the end of the fixture with the jumper wires.

3. Position and insert the next fixture into the jumper wires. Push firmly until the wires are totally seated.

4. Align the two fixtures, and slide the fixture into the cover. Slide the fixed mounting plates to hold the metal cover in-place and affix using #4 screws.



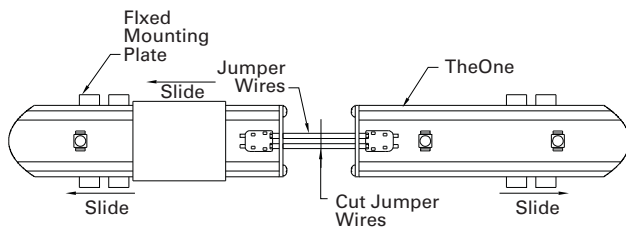
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C. FIELD REPLACEMENT:

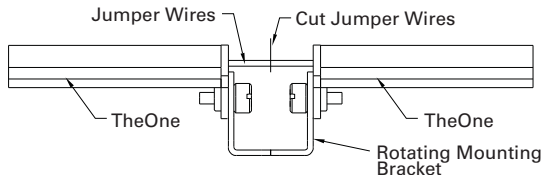
FIXED MOUNTED:

1. Locate and remove the mounting screws from the non-operational light strip.
2. Remove the screws from the mounting plate from each light strip connected to each end of the run.
3. On the adjacent light strips, slide the mounting plates back far enough to expose the two jumper wires.
4. Utilizing cutting pliers, snip the jumper wires.
5. Remove the non-operational section.
6. Remove the cut jumper wires from the adjacent light strips by twisting the wires counter-clockwise while pulling on the wire.
7. Install the new light strip per the installation instructions.



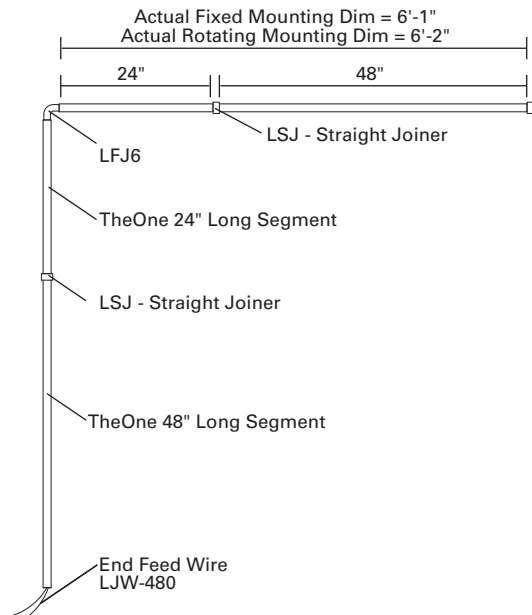
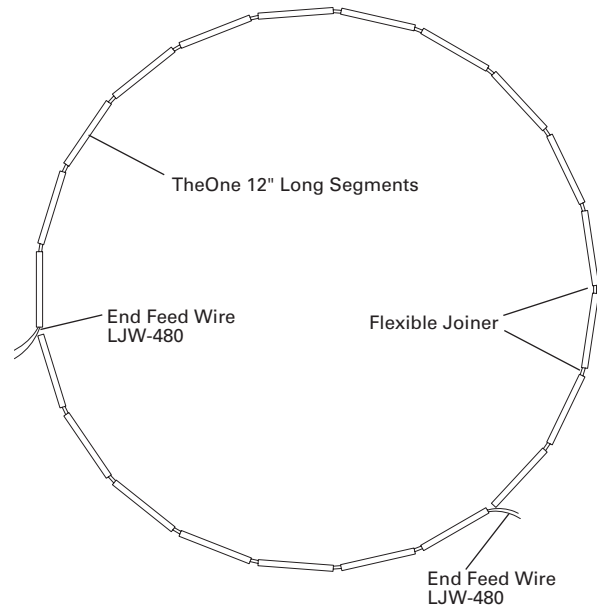
ROTATING MOUNTED:

1. Locate and remove the mounting screws from the non-operational light strip.
2. Utilizing cutting pliers, snip the jumper wires.
3. Remove the non-operational section.
4. Remove the cut jumper wires from the adjacent light strips by twisting the wires counter-clockwise while pulling on the wire.
5. Install the new light strip per the installation instructions.



D. TYPICAL CONFIGURATIONS:

NOTE: Number of required feeds/power supply vary based on performance requirements, these layouts are for sample purposes only. LED strips wired in series.



WARRANTY: USAI warrants that its products are free from defects in material and workmanship. USAI obligations expressly limited to repair or replacement without charge at USAI's factory after prior written return authorization has been granted. This warranty shall not apply to products which have been altered or repaired outside of USAI's factory. This warranty is in lieu of all other warranties, expressed or implied, and without limiting the generality of the foregoing phrase, excludes any implied warranty or merchantability. Also, there are no warranties which extend beyond the description of the product on the company's literature setting forth terms of sale.