LINEAR**RAY** INSTALLATION GUIDE

RAYON LIGHTING

⚠ WARNING

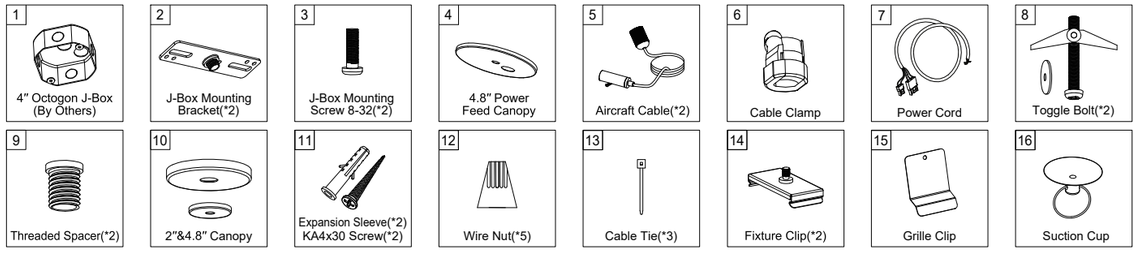
PLEASE FIND A QUALIFIED ELECTRICIAN FOR INSTALLATION. Please read the instructions before installation and use

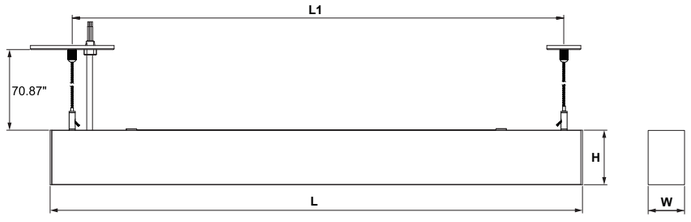
1. To reduce the risk of death, personal injury, or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards, read all warnings and instructions included with and the fixture box and fixture labels.
2. Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
3. Commercial installation, service, and maintenance of luminaires should be performed by a qualified licensed electrician.
4. If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician. Please abide by all relevant country, regional, and local code requirements and regulations when installing this luminaire. Wiring must be in accordance with NEC and all applicable local codes.
5. DO NOT INSTALL DAMAGED PRODUCT! This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.
6. Do not make or alter any holes unnecessarily in an enclosure of wiring or electrical components during the installation.
7. Turn off electrical power at the fuse or circuit breaker box before wiring fixture to the building power.
8. Verify that supply voltage is correct by comparing it with the luminaire label information. Do not install with supply voltage that exceeds the rated input voltage of the luminaire.

CAUTION

- Do not install in wet locations. For dry and damp use only.
- The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.
- Under no circumstances can the lighting fixture be covered with heat insulation gasket or similar materials.

CABLE SUSPENDED - HARD CEILING INSTALLATION





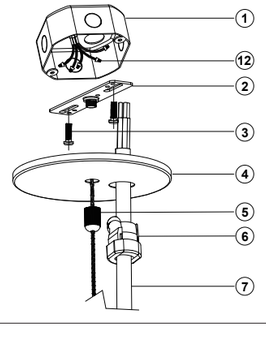
Size	L	W	H	Installation Spacing Suggestion(L1)
2FT	23.82"	2.48"	3.15"	14.17" - 22.05"
3FT	39.63"	2.48"	3.15"	29.99" - 37.86"
4FT	47.44"	2.48"	3.15"	37.80" - 45.67"
6FT	71.06"	2.48"	3.15"	61.42" - 69.30"
8FT	94.67"	2.48"	3.15"	85.03" - 92.91"

1

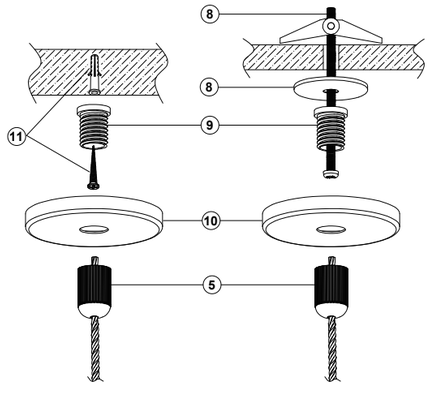
1. Secure the mounting bracket to the junction box with two 8-32 mounting screws.
2. Feed the power cord through the cable clamp and complete the wiring according to the wiring diagram.
3. Carefully tuck all connected wires into the junction box, lift the canopy to feed through the threaded spacer of the mounting bracket, then tighten the lock nut of the aircraft cable onto the exposed threaded spacer.

WIRING DIAGRAM

LINE	BLACK
NEUTRAL	WHITE
GREEN	GROUND
DIM (+)	VIOLET
DIM (-)	PINK

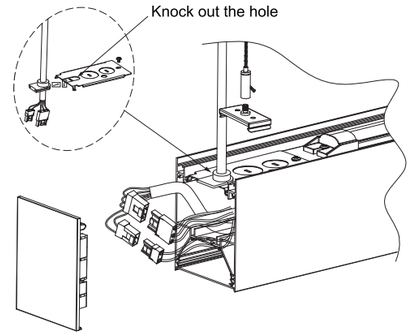


2 Mark the position of the canopy, secure the threaded spacer to the ceiling with a toggle bolt or expansion anchor, feed the canopy through the spacer, then tighten the lock nut of the aircraft cable onto the exposed threaded spacer.



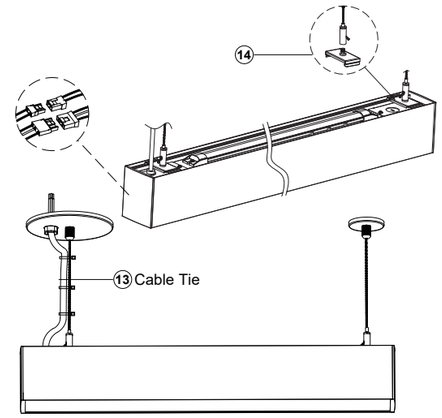
3

1. Identify the male and female ends and mark them on the knockout plate.
2. Loosen the screws and remove the endcap from the female side of the luminaire, remove the knockout plate, knock out the designated knockout hole, and reinstall the knockout plate.
3. Clip the SR cable clip of the power cord into the U-shaped groove and complete the wiring according to the wiring diagram.
4. Carefully tuck all wires into the luminaire and reinstall the endcap.

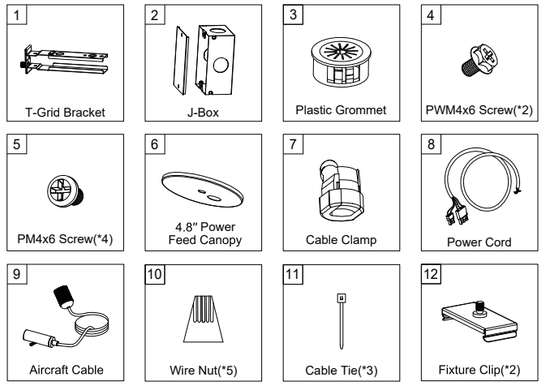


4

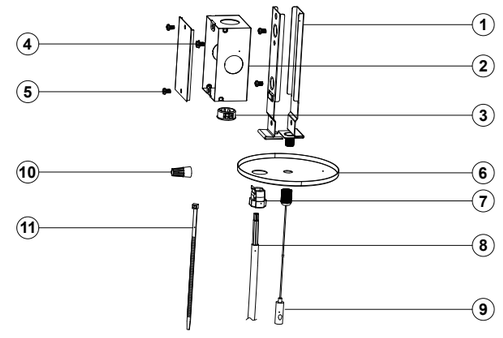
1. Fix the fixture clips on the luminaire.
2. Adjust the length of the aircraft cable by pressing down the spring-loaded mechanism of the cable gripper and pulling the bare end of the aircraft cable through the exit hole of the gripper.
3. Secure cable slack to the aircraft cable with color-matched cable ties.



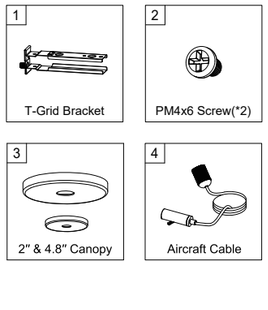
CABLE SUSPENDED - T-GRID (9/16” OR 15/16”) INSTALLATION



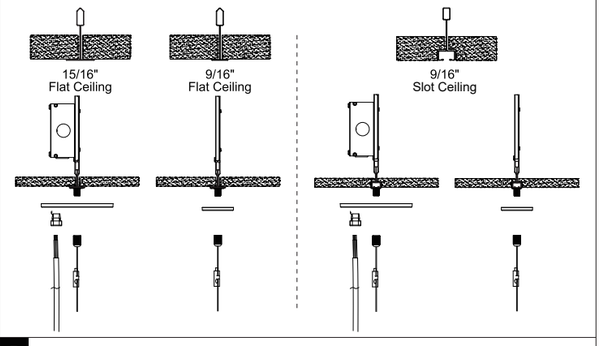
1 Assemble the T-Grid bracket accessory kit as shown in the diagram and fasten the J-Box and power cord to the T-Grid bracket.



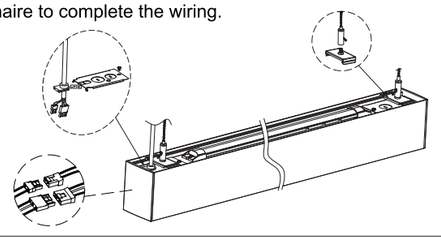
2 Assemble the T-Grid bracket accessory kit as shown in the diagram.



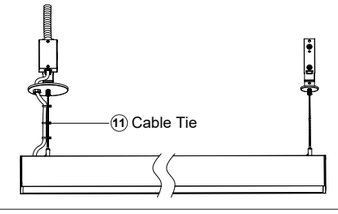
3 The T-Grid bracket is compatible with multiple types of ceilings. For specific details, refer to the images shown.



4 Remove the wirie cover, knock out the designated knockout hole and clip the SR cable clip of the power cord into the U-shaped groove. Connect the wire terminals to the terminal block of the luminaire to complete the wiring.

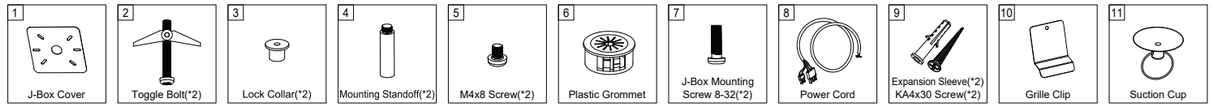


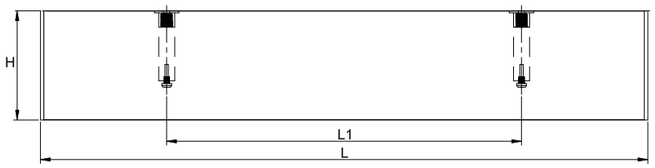
5 Reinstall the wire cover onto the luminaire and fasten the screws. Finally, clip the fixture clip onto the luminaire body.The installation is complete.

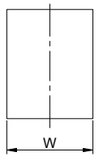


SURFACE MOUNT INSTALLATION

RAYON LIGHTING

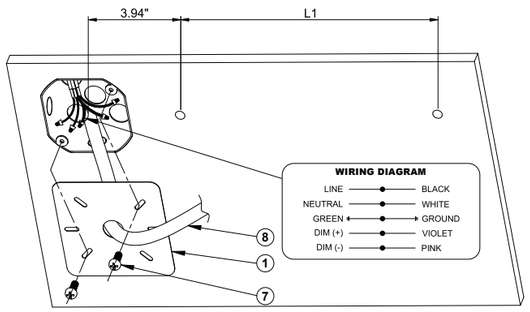




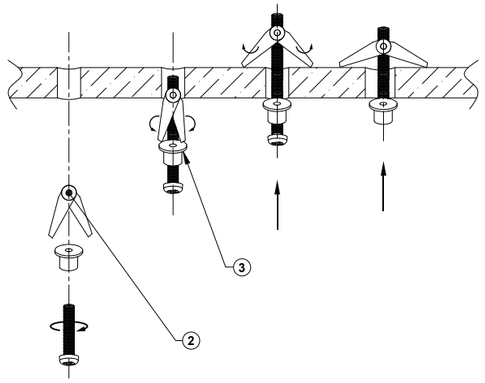


Size	L	W	H	Installation Hole Spacing Suggestion(L1)
2FT	23.82"	2.48"	3.15"	14.17"
4FT	47.44"	2.48"	3.15"	37.80"
6FT	71.06"	2.48"	3.15"	61.42"
8FT	94.67"	2.48"	3.15"	85.03"

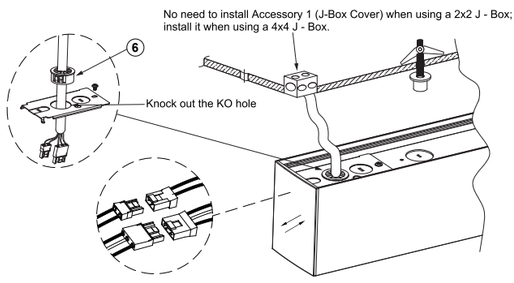
1 Determine the installation location of the lock collar based on the fixture length and drill holes in the ceiling.



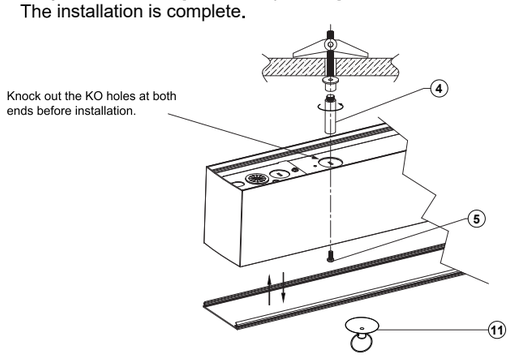
2 Install the lock collar and mounting standoff as the following toggle bolt installation diagram.



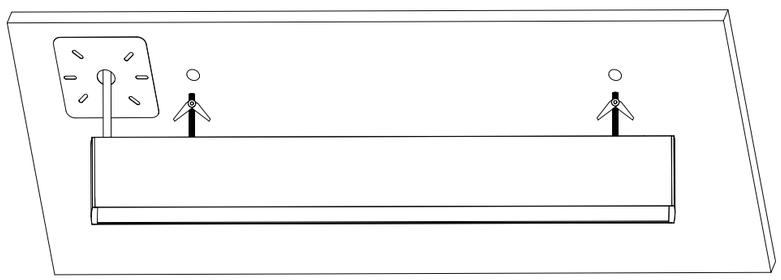
3
1. Identify the female and male ends and mark them on the knockout plate.
2. Unscrew the screws, remove the endcap from the female side of the luminaire and take out the knockout plate. Knock out the KO hole as shown and keep the endcap and screws for reuse.
3. Feed the supply wires through the plastic grommet and the hole in the knockout plate. Insert the plastic grommet into the hole. Connect the 5-wire cable to the male-female terminals in accordance with the color codes of the pre-connected wires.



4
1. Knock out the KO hole as shown in the diagram and tighten the mounting standoff with the lock collar by screwing.
2. Remove the diffuser with the suction cup and secure the luminaire body to the mounting standoff by locking screws at both ends. The installation is complete.

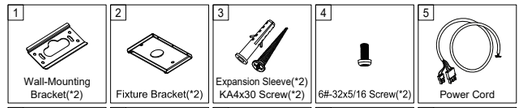


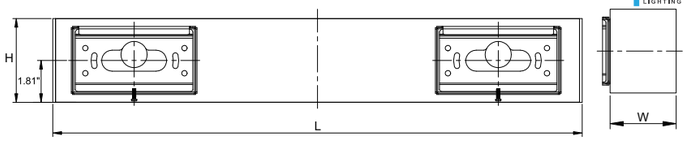
5 Complete schematic diagram of surface mounting.



WALL MOUNT INSTALLATION

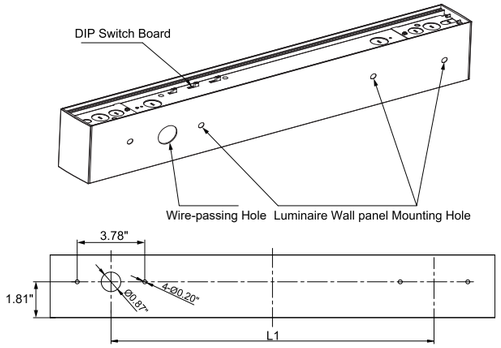
RAYON LIGHTING



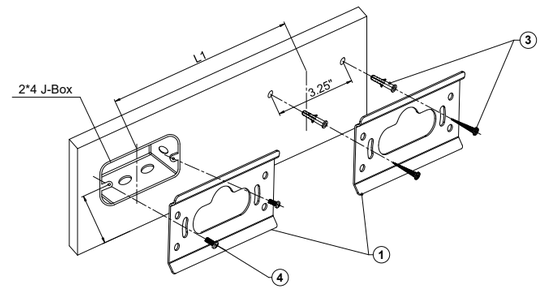


Size	L	W	H	Installation Spacing Suggestion(L1)
2FT	23.82"	2.48"	3.15"	13.78"
4FT	47.44"	2.48"	3.15"	41.33"
6FT	71.06"	2.48"	3.15"	64.96"
8FT	94.67"	2.48"	3.15"	88.58"

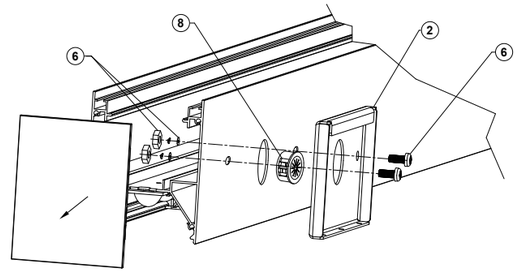
1 According to the installation hole dimensions of different types of fixtures, it is recommended to machine the side wire-passing hole and wall panel mounting holes as shown in the diagram.



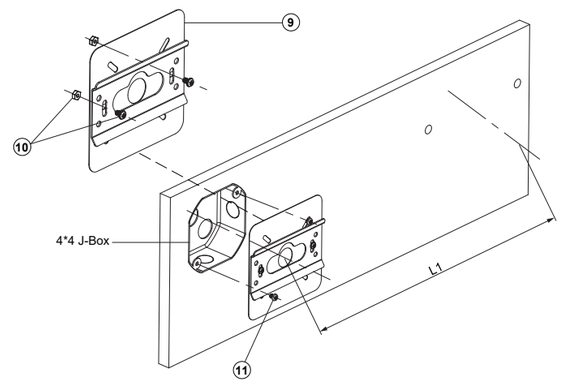
2
1. Take out wall-mounting brackets and 6-32 screws from the accessory pack, and then fix the bracket on the box.
2. Drill holes in the wall with a drilling tool, then drive the expansion anchors from the accessory pack into the holes to secure the bracket to the wall. Wall-mounting bracket is installed.



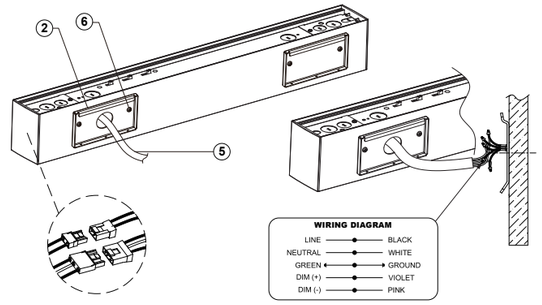
3 Take out the fixture bracket and plastic grommet from the accessory pack. First, insert the plastic grommet into the luminaire hole, then secure the bracket to the luminaire body as shown in the diagram.



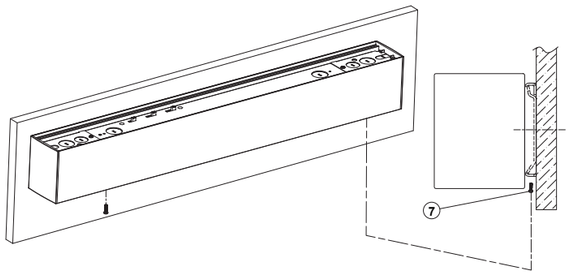
1. Fix the wall-mounting bracket on the J-Box cover and fix them on the 4*4 J-Box.



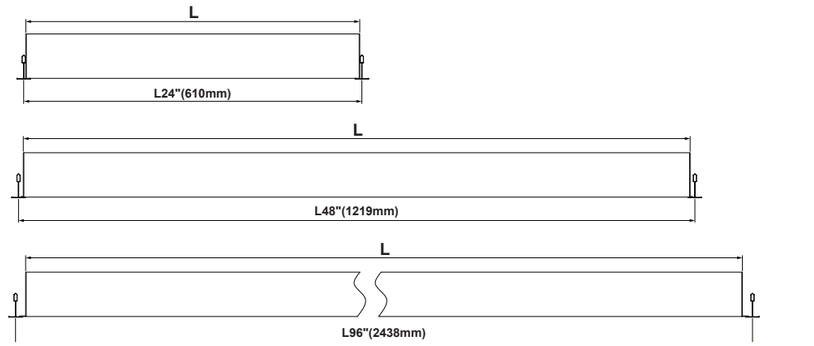
4
1. Plug the power cord into the luminaire terminal at the power feed side for connection.
2. Connect the luminaire wires to the mains power as shown in the diagram and tighten them with the wire nuts.

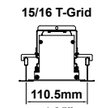


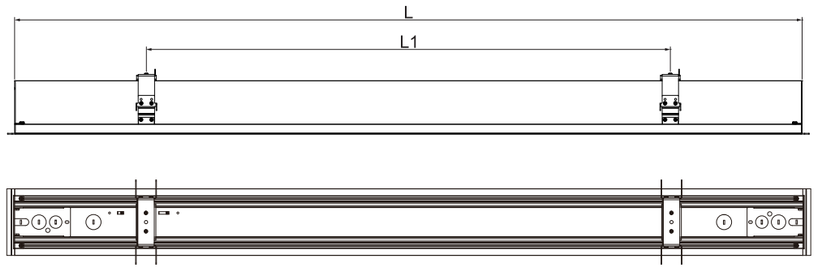
5 Fully snap the luminaire wall plate into the wall recess and secure with screws at the bottom of the luminaire wall plate respectively. The installation is complete.

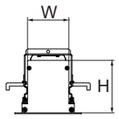


RECESSED T-GRID INSTALLATION







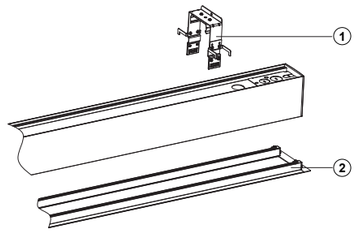


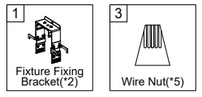
WIRING DIAGRAM

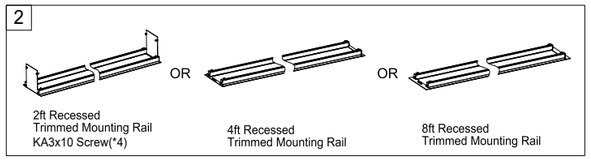
LINE	BLACK
NEUTRAL	WHITE
GREEN	GROUND
DIM (+)	VIOLET
DIM (-)	PINK



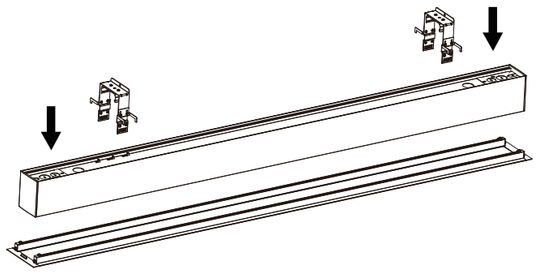
Size	L	W	H	Installation Spacing Suggestion(L1)	T-Grid Installation Spacing(Vertical)	T-Grid Installation Spacing(Horizontal)
2FT	23.70"	2.48"	3.15"	7.87"	24"	4.35"
4FT	47.32"	2.48"	3.15"	31.50"	48"	4.35"
8FT	94.57"	2.48"	3.15"	78.74"	96"	4.35"



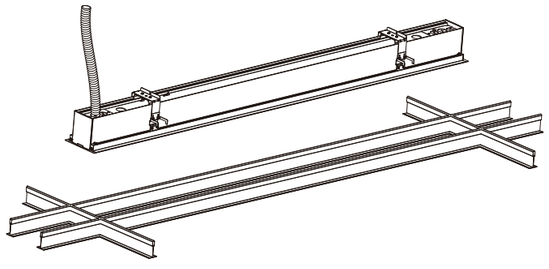




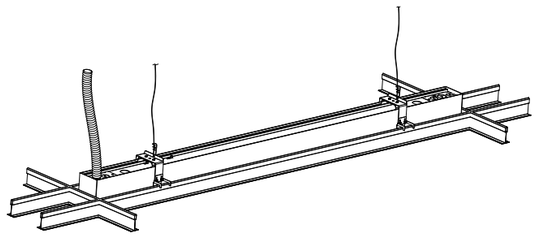
1 Fix the fixture together with the recessed trimmed mounting rail and the fixture fixing bracket.
(Note: The endcaps of the 2ft luminaire need to be removed first.)



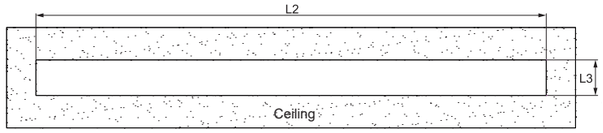
2 Connect the AC cable of the luminaire to the mains power and place the luminaire into the ceiling grid.

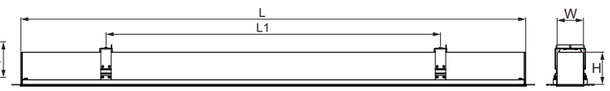


3 The installation is complete.



RECESSED HARD CEILING - FLANGELESS INSTALLATION





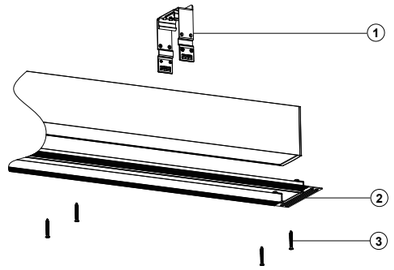


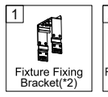
WIRING DIAGRAM

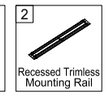
LINE	BLACK
NEUTRAL	WHITE
GREEN	GROUND
DIM (+)	VIOLET
DIM (-)	PINK

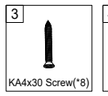
Size	L	W	H	Installation Spacing Suggestion(L1)	Dry Ceiling Slot Spacing(L2)	Dry Ceiling Slot Spacing(L3)
2FT	23.82"	2.48"	3.15"	7.87"	24.40"	3.35"
4FT	47.44"	2.48"	3.15"	31.50"	48.03"	3.35"
6FT	71.06"	2.48"	3.15"	55.12"	71.65"	3.35"
8FT	94.67"	2.48"	3.15"	78.74"	95.28"	3.35"

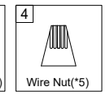




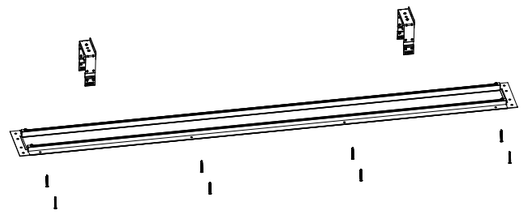




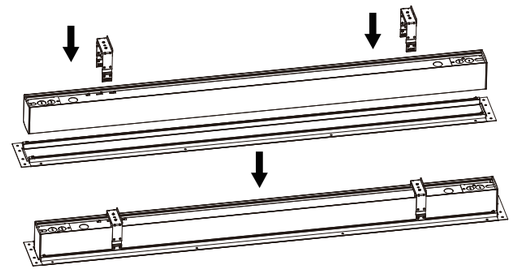




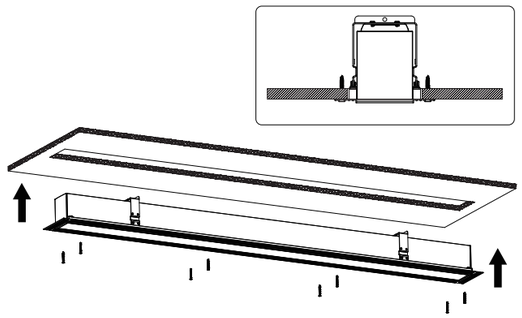
1 Prepare all the installation accessories.



2 Fix the fixture and the frame together with the recessed fixing bracket.



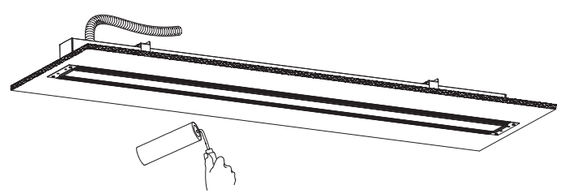
3 Connect the AC cable of the luminaire to the mains power.



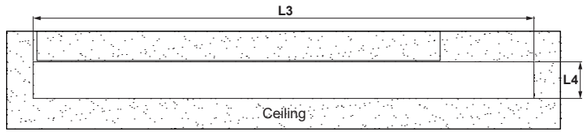
4 Push the fixture into the slotted ceiling and tighten the fixture to the ceiling with the KM4x30 screws.

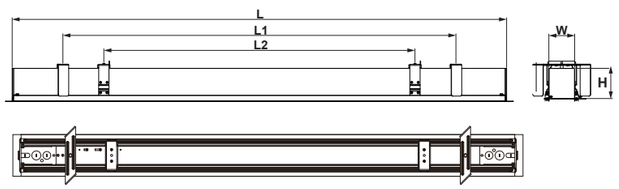


5 Brush the frame of the fixture with the limestone to hide the frame of the fixture in the ceiling. The installation is complete.



RECESSED HARD CEILING FLANGE INSTALLATION



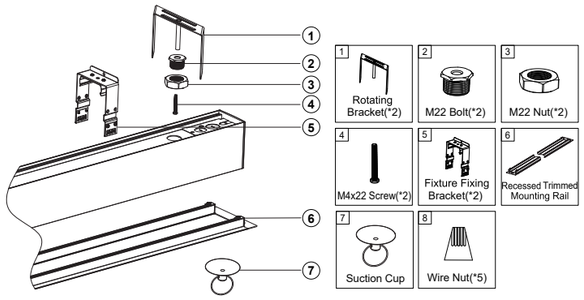




WIRING DIAGRAM

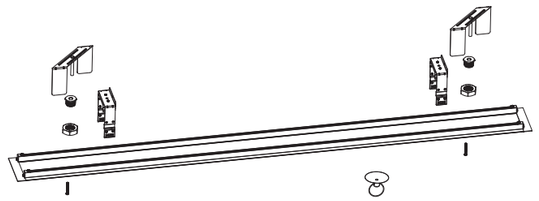
LINE	BLACK
NEUTRAL	WHITE
GREEN	GROUND
DIM (+)	VIOLET
DIM (-)	PINK

Size	L	W	H	Installation Spacing Suggestion(L1)	Installation Spacing Suggestion(L2)	Dry Ceiling Slot Spacing(L3)	Dry Ceiling Slot Spacing(L4)
2FT	23.82"	2.48"	3.15"	14.17"	7.87"	24.40"	3.38"
4FT	47.44"	2.48"	3.15"	37.80"	31.49"	48.03"	3.38"
6FT	71.06"	2.48"	3.15"	61.42"	55.11"	71.65"	3.38"
8FT	94.67"	2.48"	3.15"	85.04"	78.74"	95.28"	3.38"

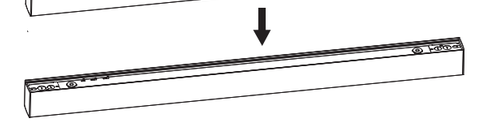


1 Rotating Bracket(*2)
2 M22 Bolt(*2)
3 M22 Nut(*2)
4 M4x22 Screw(*2)
5 Fixture Fixing Bracket(*2)
6 Recessed Trimmed Mounting Rail
7 Suction Cup
8 Wire Nut(*5)

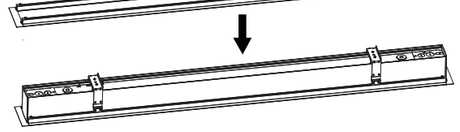
1 Prepare all the installation accessories.



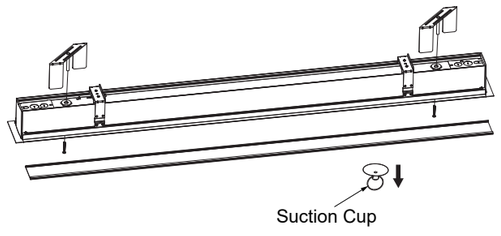
2 Remove the top cover of the fixture, pass the M22 bolts through the two holes in the back plate of the fixture, tighten them with M22 nuts, then reinstall the cover.



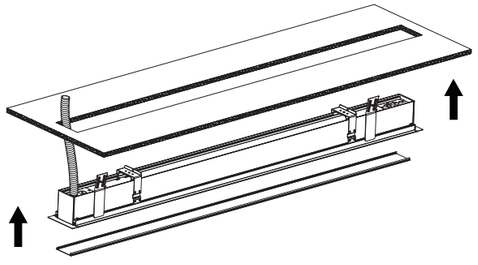
3 Fix the fixture and the frame together with the recessed fixing bracket.



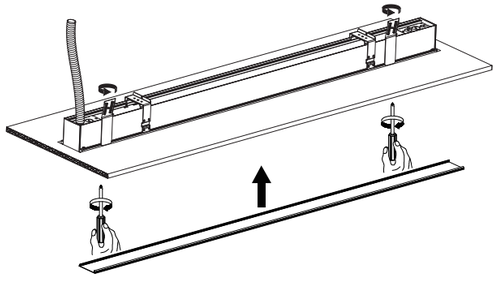
4 Remove the diffusion cover with the suction cup, pass the rotating bracket through the holes in the middle of the M22 bolts and lock the rotating bracket nuts with the M4x22 screws.



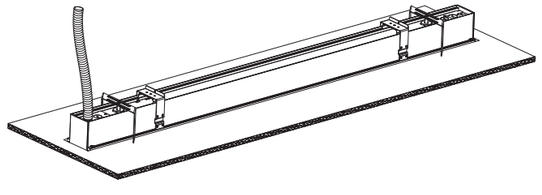
5 Connect the AC cable to the mains power.



6 Push the fixture into the slotted ceiling and tighten the rotating bracket on the light surface with the M4x30 screws.

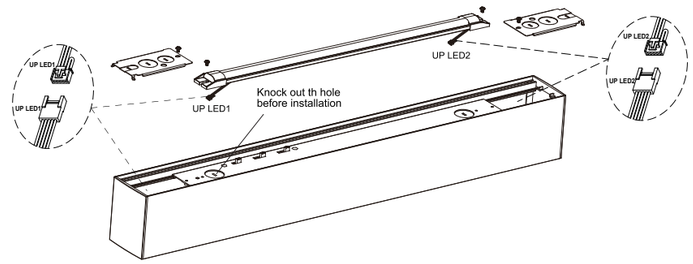


7 The installation is complete.

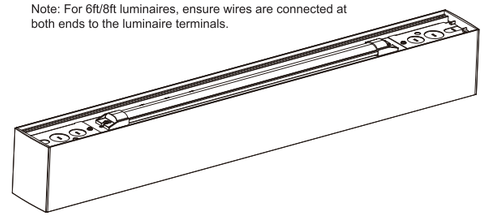


INDIRECT OPTIC INSTALLATION

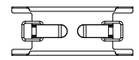
1. Remove the wire covers with a screwdriver as shown in the schematic diagram.
2. Remove the indirect light module and connect the wires.
3. 2ft and 4ft luminaires: Plug in the terminal wires of UP LED1.
4. 6ft and 8ft luminaires: Plug in the terminal wires for both UP LED1 and UP LED2.



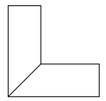
Note: For 6ft/8ft luminaires, ensure wires are connected at both ends to the luminaire terminals.



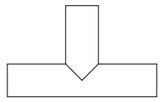
CONNECTOR INSTALLATION



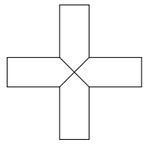
Joiner Bracket



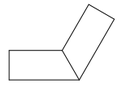
"L" Joiner



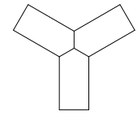
"T" Joiner



"X" Joiner

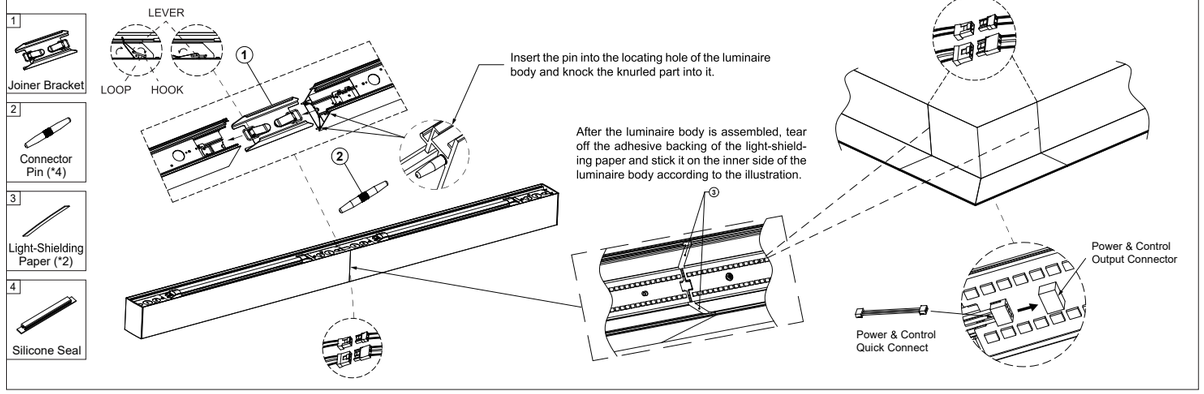


"V" Joiner



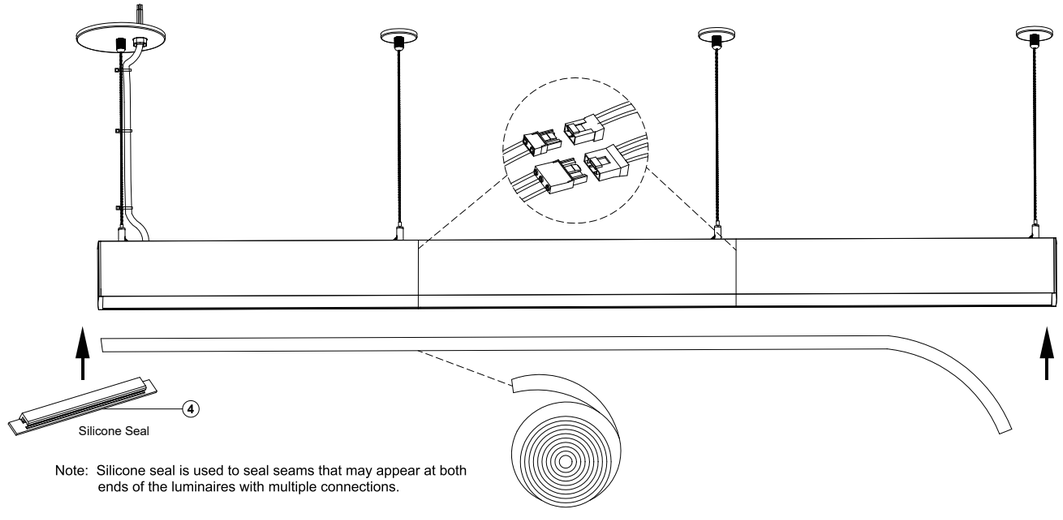
"Y" Joiner

1.Remove the wire cover of the fixture with a screwdriver as shown in the diagram and take out the joiner bracket and connetor pins from the accessory pack.
2.Insert the joiner bracket into the luminaire body and insert the connector pins into the holes of the fixture.
3.After connecting the docking terminal, lift the lever from the joiner bracket, bring the loop over to the installed hook, press down on the lever to lock the loop in place, and then reinstall the wire cover.



DIFFUSER ACCESSORIES (OPTIONAL)

Optional continuous rolling lens runs up to 40′ is available.



Note: Silicone seal is used to seal seams that may appear at both ends of the luminaires with multiple connections.