Jump

Surface

Installation Instructions
ID-1211_Jump_Surface

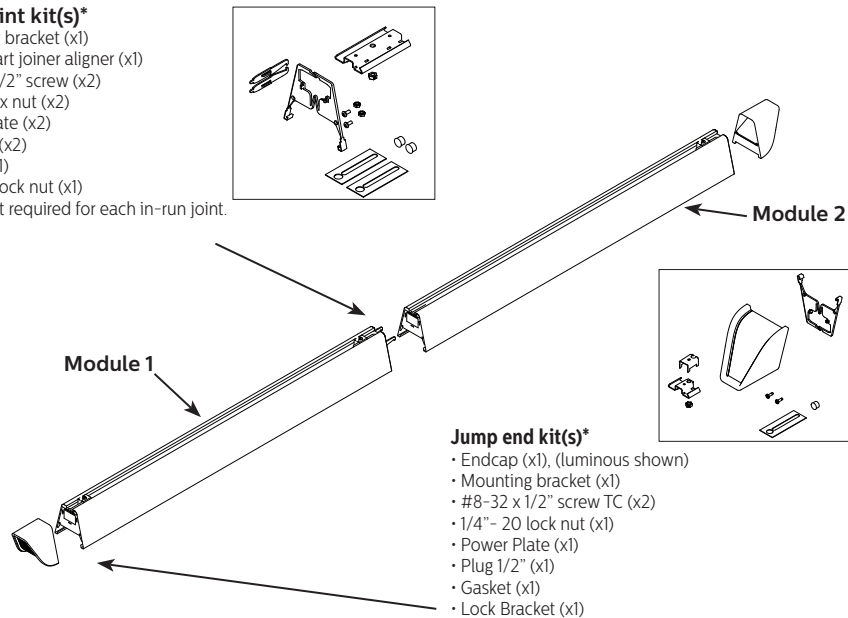**Standalone or continuous run configurations**

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System Overview

These instructions review how to install Jump suspended fixtures. Jump 4ft and 8ft modules can be installed as individual standalone units, or they can be joined together to create continuous runs. The graphic below shows the components required to install a typical run of Jump suspended fixtures.

Jump joint kit(s)*
· Mounting bracket (x1)
· Break apart joiner aligner (x1)
· #8-32 x 1/2" screw (x2)
· #8-32 hex nut (x2)
· Power Plate (x2)
· Plug 1/2" (x2)
· Gasket (x1)
· 1/4"- 20 lock nut (x1)
*NOTE: 1 kit required for each in-run joint.

Module 2

Module 1

Jump end kit(s)*
· Endcap (x1), (luminous shown)
· Mounting bracket (x1)
· #8-32 x 1/2" screw TC (x2)
· 1/4"- 20 lock nut (x1)
· Power Plate (x1)
· Plug 1/2" (x1)
· Gasket (x1)
· Lock Bracket (x1)
*NOTE: 2 kits required for each run (one for each end).

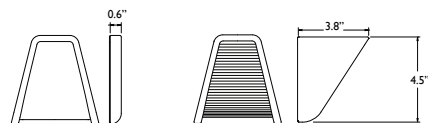**TOOLS REQUIRED: Philips screwdriver, 3/8" nut driver, 7/16" Nutdriver**

Module Lengths

Jump suspended systems come in 4ft and 8ft modules. Overall module lengths are shown below. Module lengths do not include endcaps.
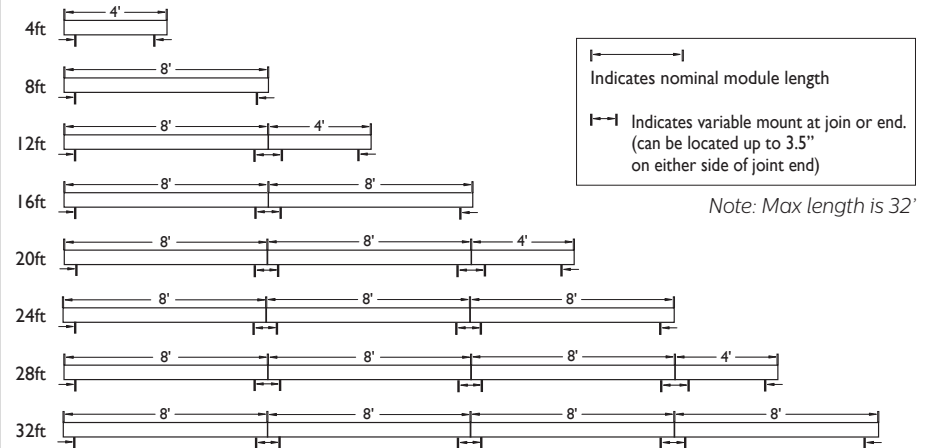
4ft — 4' 3/16"
8ft — 8' 3/8"

Indicates overall length of fixture (excluding endcaps)
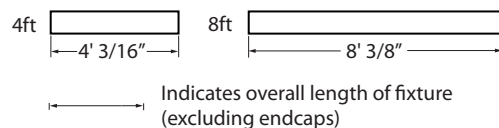
Endcaps

Add two endcaps to the length of each run.

0.6"
3.8"
4.5"

Mount Spacing

For on-grid T-bar ceiling installations, mounts attach directly to T-bar. **For non-accessible ceilings and off-grid T-bar installations, the graphic below indicates mount spacing for typical run lengths.**

4ft — 4'
8ft — 8'
12ft — 8' 4'
16ft — 8' 8'
20ft — 8' 8' 4'
24ft — 8' 8' 8'
28ft — 8' 8' 8' 4'
32ft — 8' 8' 8' 8'

Indicates nominal module length

Indicates variable mount at join or end. (can be located up to 3.5" on either side of joint end)

Note: Max length is 32'

Run Configurations

The tables below indicate how 4ft and 8ft modules can be combined to create continuous runs of various lengths.

Nominal Row Length	Number of Modules Required		Installed Row Length (not including end caps)
	4'	**8'**	
4'	1x		4' – 3/16"
8'		1x	8' – 3/8"
12'	1x	1x	12' – 9/16"
16'		2x	16' – 3/4"
20'	1x	2x	20' – 15/16"
24'		3x	24' 1 – 1/16"
28'	1x	3x	28' 1 – 1/4"
32'		4x	32' 1 – 7/16"
36'	1x	4x	36' 1 – 5/8"
40'		5x	40' 1 – 13/16"
44'	1x	5x	44' 1"
48'		6x	48' 2 – 3/16"

Nominal Row Length	Number of Modules Required		Installed Row Length (not including end caps)
	4'	**8'**	
52'	1x	6x	52' 2 – 3/8"
56'		7x	56' 2 – 9/16"
60'	1x	7x	60' 2 – 11/16"
64'		8x	64' 2 – 7/8"
68'	1x	8x	68' 3 – 1/16"
72'		9x	72' 3 – 1/4"
76'	1x	9x	76' 3 – 7/16"
80'		10x	80' 3 – 5/8"
84'	1x	10x	84' 3 – 13/16"
88'		11x	88' 3"
92'	1x	11x	92' 4 – 3/16"
96'		12x	96' 4 – 3/8"
100'	1x	12x	100' 4 – 1/2"

*Overall run lengths provided do not include endcaps. Add two endcaps to the overall length of each run.

! ATTENTION: Install in accordance with national and local building and electrical codes.

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Standalone or continuous run configurations

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1 Prepare fixtures

Arrange boxed fixtures on floor in specified mounting locations. Remove fixtures from boxes. Remove plastic from fixtures.

2A TBAR CEILING

Snap Caddy Clips on T-Bar

Attach J-Box Adapter Bracket
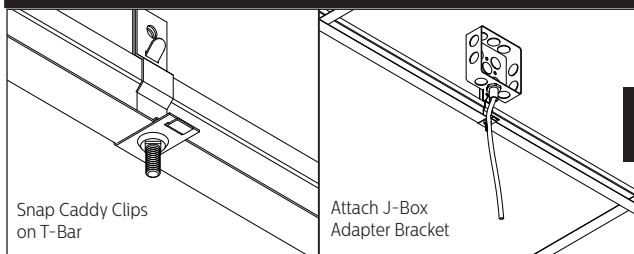
Snap caddy clips and 1/4"–20 threaded bolts on T-bar at specified mounting locations (caddy clips and 1/4"–20 threaded bolts supplied with mount kits). Tie-off caddy clips with guy wires (supplied by others) according to code.

POWER MOUNT LOCATIONS: Attach supplied J-box adapter bracket to caddy clip with nut and bolt. Tie-off adapter bracket with guy wires (supplied by others) according to code. On 4"x4" J-box (supplied by others), install coupler in center knockout. Attach J-box to caddy clip with nut and bolt.

Install supplied SVT cord.

2B NON-ACCESSIBLE CEILING

OR
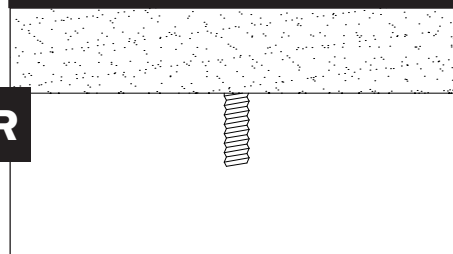
For non-accessible ceilings install 1/4"–20 stud extending 1/2" from ceiling.
(see Mount Spacing Diagram on Page 1).

3 Remove Socket Saddle or LED Light Engine
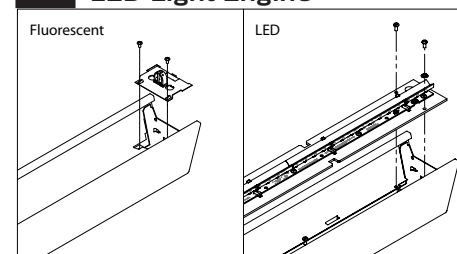
Fluorescent

LED

Remove socket saddle or LED light engine to gain access to mounting channel. When removing LED light engine be sure to disconnect the low voltage wire harness.
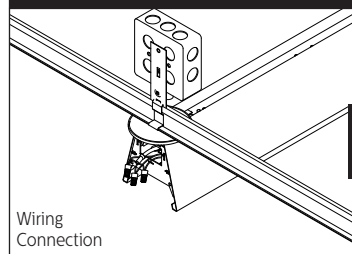
4 Slide In End of Row Mounting Bracket and Raise Fixture
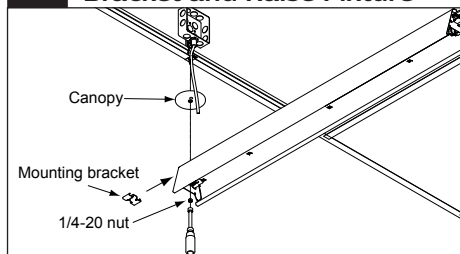
Canopy

Mounting bracket

1/4-20 nut

Remove socket saddle or LED light engine to gain access to mounting channel. **When removing LED light engine be sure to disconnect the low voltage wire harness.**

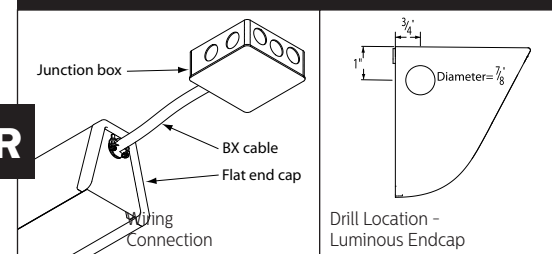## 5 Slide Power Plates into Fixture Ends

Power plate
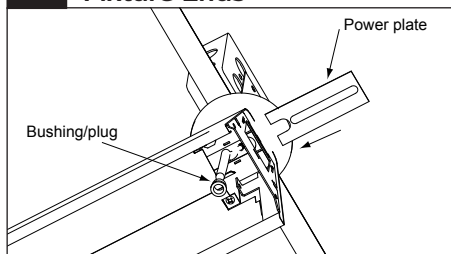
Bushing/plug

Slide power plates into fixture ends. Slide the supplied bushings over the SVT cord and snap into the power plate. If it is a non power location plug the hole with supplied plug bushing.

Install supplied strain relief and feed the remaining SVT cord out the end of the fixture.

6A TBAR CEILING

Wiring Connection

OR

6B NON-ACCESSIBLE CEILING

Junction box

BX cable

Flat end cap

Wiring Connection

Drill Location – Luminous Endcap

$\frac{3}{4}$"
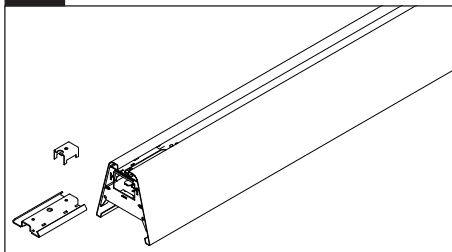
1"

Diameter=$\frac{7}{8}$"

For non-accessible ceilings, drill 7/8" hole (location marked on Flat endcap: see diagram on right for drill location on Luminous endcap). Attach armored cable from the junction box (supplied by others) according to code.
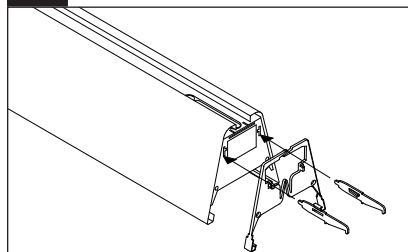
! **ATTENTION: Install in accordance with national and local building and electrical codes.**

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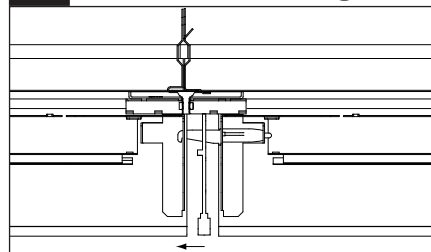
**7** | **Slide Variable Mount Bracket**

8 | **Install Joiner Aligners**

On the floor, slide variable mount bracket into next fixture in run. Attach joiner-aligner brackets, power plate and plug into opposite side.

**9** | **Raise Next Fixture and Insert the Joiner Aligners**

Raise next fixture to ceiling and insert the joiner aligners into the corresponding slots on the already installed fixture.

10 | **Install Fixture**
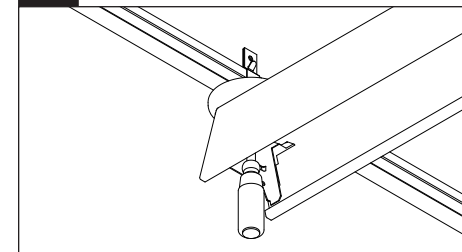
Using the supplied 1/4"-20 nuts attach the fixture to the ceiling through the slots in the top of the fixture. DO NOT FULLY TIGHTEN. The mount should be able to slide, but be snug.
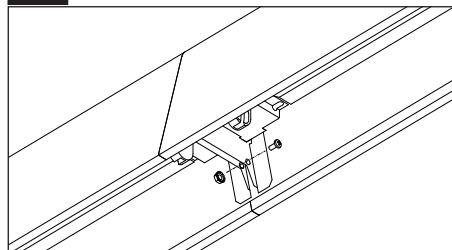
11 | **Complete electrical connections at joints**

Power feed location | Non-power feed location
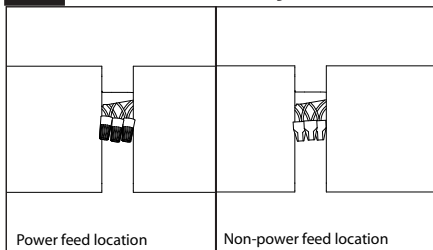
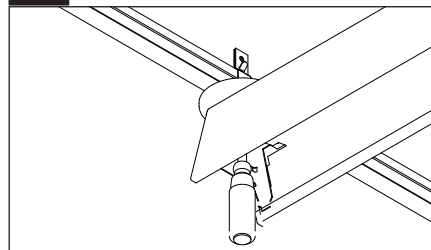Complete power connections between fixtures.

Note: For electrical connections at fewer feed locations remove quick connects and use twist on wire (i.e., Wire-Nut® or Marrette®)
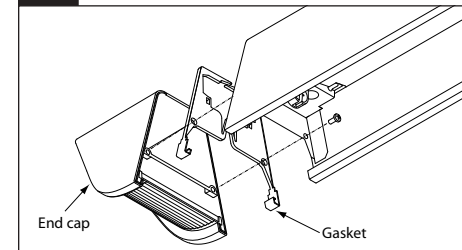
12 | **Secure joints**

Join fixtures using supplied #8 screws and lock-nuts.
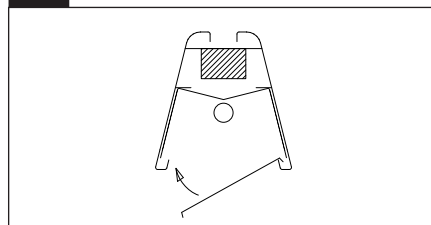
13 | **Tighten Mounting Bracket**

Tighten mounting bracket. Reinstall socket saddles or LED modules (remember to reconnect the low voltage wire harness). Install power plate and plug.

14 | **Install endcaps**

End cap | Gasket

Snap on the gasket to the end of the fixture and attach end caps using supplied #8 screws.

15 | **Finishing**

Install lenses as shown.

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