

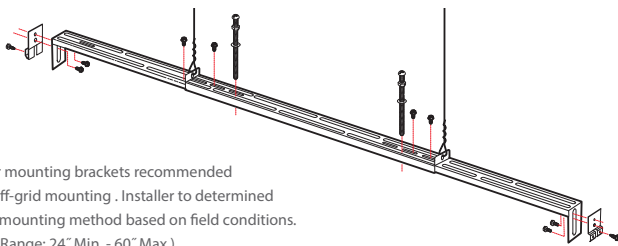


INSTALLATION INSTRUCTIONS

X1, X2, X6 — T-BAR

PARTS LIST	PART NO.	DESCRIPTION
	102895	Die Cast End Plate (INSTALLED ON INDIVIDUALS / SHIPPED SEPARATE FOR ROWS)
	132817	Joiner Bracket (SHIPPED SEPARATE FOR ROWS)
	100-00137-14	#8-32 PAL Nut (SHIPPED SEPARATE FOR ROWS)
	—	Lens (INSTALLED ON INDIVIDUALS / SHIPPED SEPARATE FOR ROWS)
	138571	Magnetic Flash Suppression Device
	—	Fastener for 1/4" Mounting Hole (BY OTHERS)

T-BAR MOUNTING RAIL ASSEMBLY 101962 (OPTIONAL FOR OFF-GRID MOUNTING):



T-bar mounting brackets recommended for Off-grid mounting. Installer to determine best mounting method based on field conditions. (Adj. Range: 24" Min. - 60" Max.)

	100-00283-14	1/4-20 x 5" Round Hd. MS SL Type F
	100-00165-14	1/4-20 Hex Nut
	100-00008-14	1/4" x 1/2" Washer
#6 x 3/8 inch Tek Screw"/>	100-00086-14	#6 x 3/8" Tek Screw

PARTS LIST	PART NO.	DESCRIPTION
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CABLE MOUNT HARDWARE SHIPPED SEPARATELY

	100-00004-08	I.D.S. Clip (X1 - Standard)
	100-00003-08	I.D.S. 95 Clip (X2, X6)
	100-00091-08	A.T Clip (X1, X2, X6)
	100-00114-14	1/4-20 x 3/4" Truss Head Screw

CANOPIES:

	28975	5 1/2" Ø SPF Canopy (2 Hole)
	65392	5 1/2" Ø DPF Canopy (3 Hole)
	100-00078-07	2" Ø NPF Canopy X1, X2, X6 (1 Hole)

PRU CABLE ASSEMBLY:

	100-00039-08	53"
	100-00085-08	100" Aircraft Cable
	100-00042-08	200"
	100-00262-14	3/4 WIRE
	100-00264-14	5/6 WIRE
	100-00319-14	WHITE
	100-00316-14	BLACK
	100-00318-14	WHITE
	100-00321-14	BLACK
	100-00284-14	1/2" x 1 1/8" IPT Brass Threaded Nipple
	100-00239-14	1/2" IP Knurled Nut
	100-00228-14	3/4 WIRE
	100-00346-14	5/6 WIRE

18GA SJT CORD:	3 WIRE	4 WIRE	5 WIRE	6 WIRE
	WHITE 100-00023-09	100-00024-09	100-00912-09	100-01002-09
	WHITE 600v 100-00059-09	100-00060-09	100-00919-09	100-00604-09
	BLACK 100-00956-09	100-00025-09	100-00933-09	100-00317-09
	BLACK 600v 100-00318-09	100-00606-09	100-00457-09	100-00607-09

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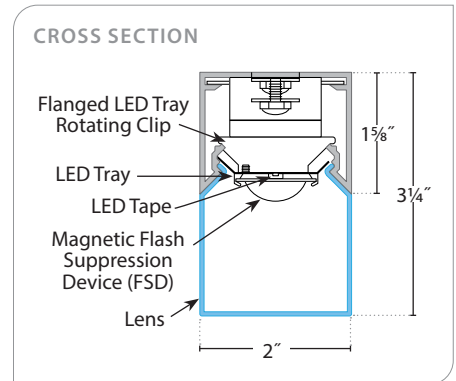


GENERAL NOTES

- See row diagram or Prudential Ltg. layout plan (if provided).
Begin all row mounting from left to right (see arrows).
- Depending upon ceiling or wall construction reinforcement may be required at mounting locations.
- If mounting location is off-grid, 1/4-20 All Thread will be required at that mounting location to attach the support cable.
- Power cord provided in bulk and is to be cut to length and stripped by installer unless "PIF" is specified.

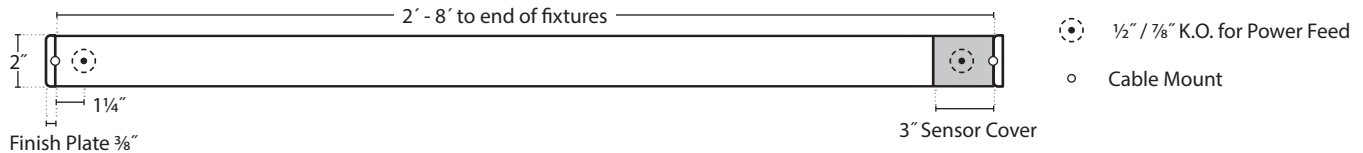
CONTINUOUS ROW

- Install one fixture section at a time.
- Some field trimming of lenses may be required (see layout drawing).
- We recommend using a chop saw with an 80 tooth blade for trimming lenses.
- Fixture to be installed without any gaps between fixture housings.
Gaps between fixture housings will cause gaps between the lenses.

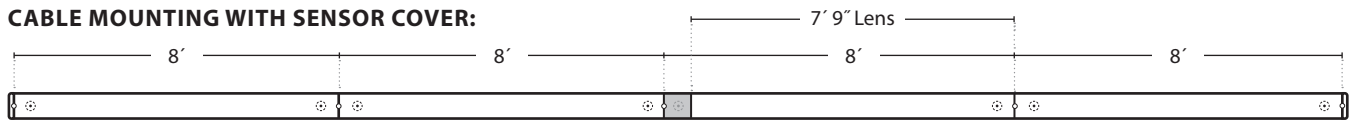


MOUNTING LOCATIONS

INDIVIDUAL FIXTURE:



CABLE MOUNTING WITH SENSOR COVER:



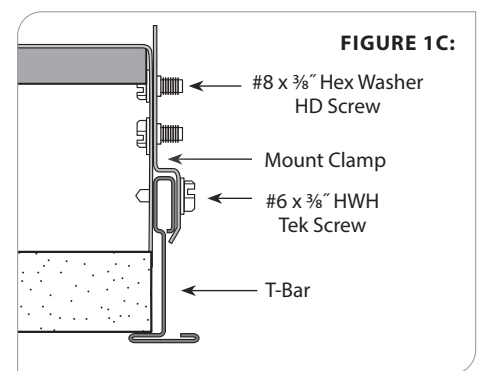
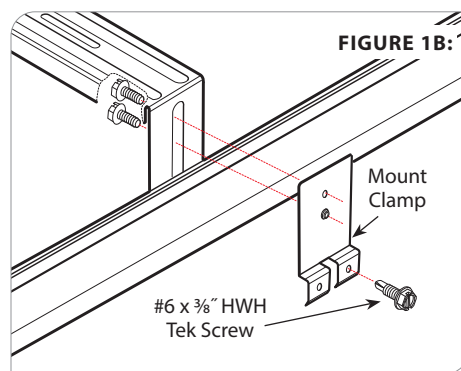
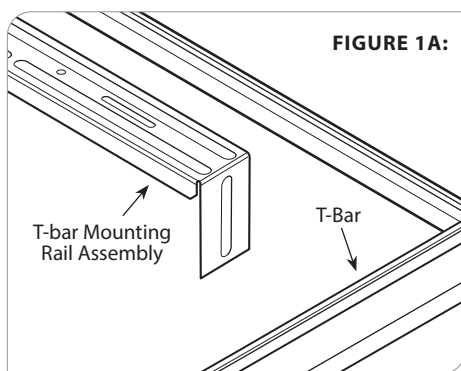
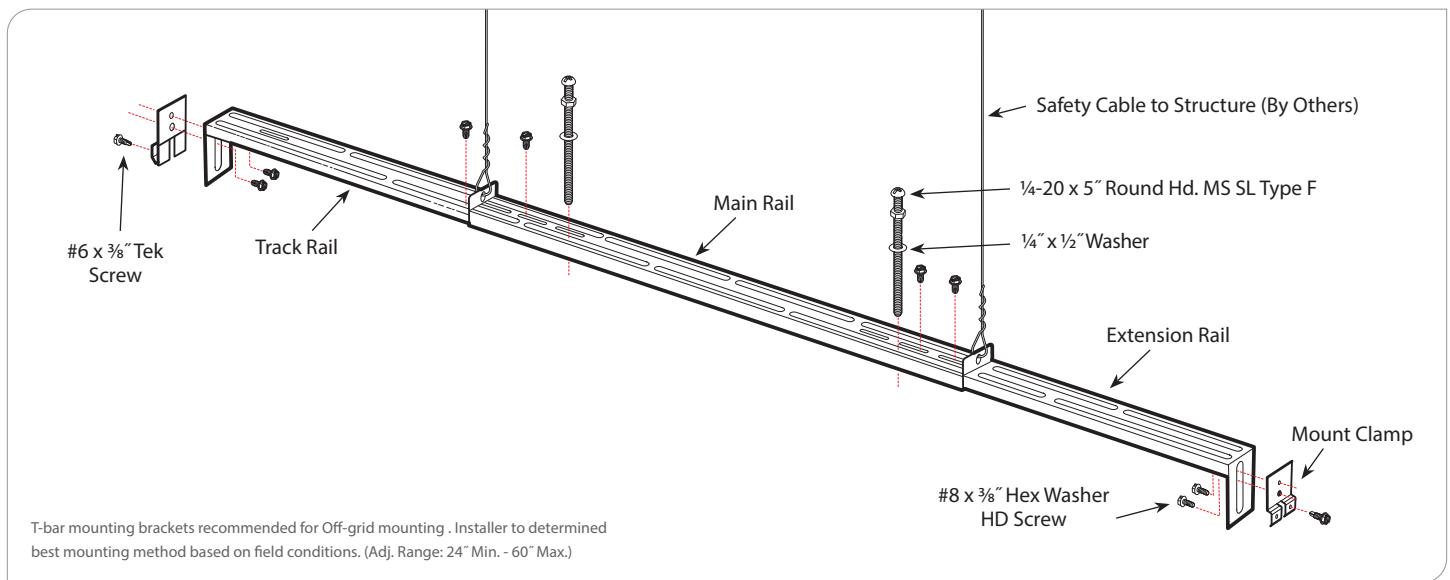
NOTE: 3" sensor cover can be installed at the center or end of fixture. Location must be specified at time of order.

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T-BAR MOUNTING RAIL ASSEMBLY (OPTIONAL)

1. Mark mounting dimensions on ceiling tile and drill (2) $\frac{3}{8}$ " holes.
2. Extend T-BAR mounting rail assembly (101962) to fit t-bar grid. (Figures 1A & 1B). (8-32 x $\frac{1}{2}$ " Washer HD screws may need to be removed to expand rails).
3. Place T-BAR mounting rail assembly against inner wall of t-bar with clamps.
4. Secure assembly to t-bar with clamps (Figures 1B & 1C).
5. Drive #6 x $\frac{3}{8}$ " Tek Screws through clamp and t-bar.
6. Use $\frac{1}{4}$ -20 x 5" Round Hd. Mounting Screws at each mounting location. Adjust so screw protrudes ceiling tile by $\frac{1}{2}$ ".
7. Attach safety cable (by others) to rail assembly and secure to structure.



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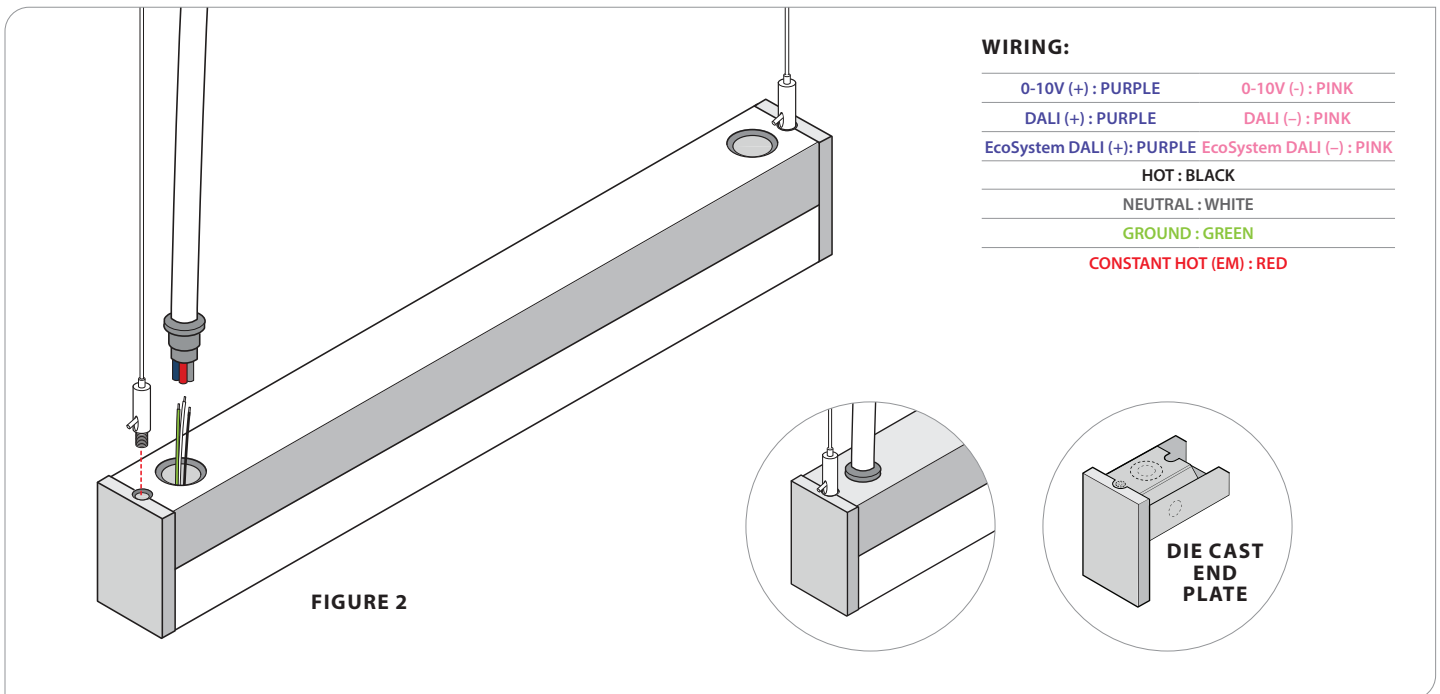
X1, X2, X6 — T-BAR



INDIVIDUAL

REFER TO PAGE 3 FOR OPTIONAL T-BAR MOUNTING RAIL ASSEMBLY

1. Install cable hardware on ceiling (see separate cable installation instructions).
2. Attach plastic strain relief bushing to end of power cord (figure 2).
3. Attach aircraft cables to housing by screwing the cable gripper into housing at mounting location.
4. Wire power cord to fixture wires protruding the back of fixture housing. For fixtures with internal EM drivers, **DO NOT** plug the connectors until after normal power has been applied to the fixture.
5. Secure power cord to housing by pushing cord into exposed hole until strain relief bushing snaps into place.



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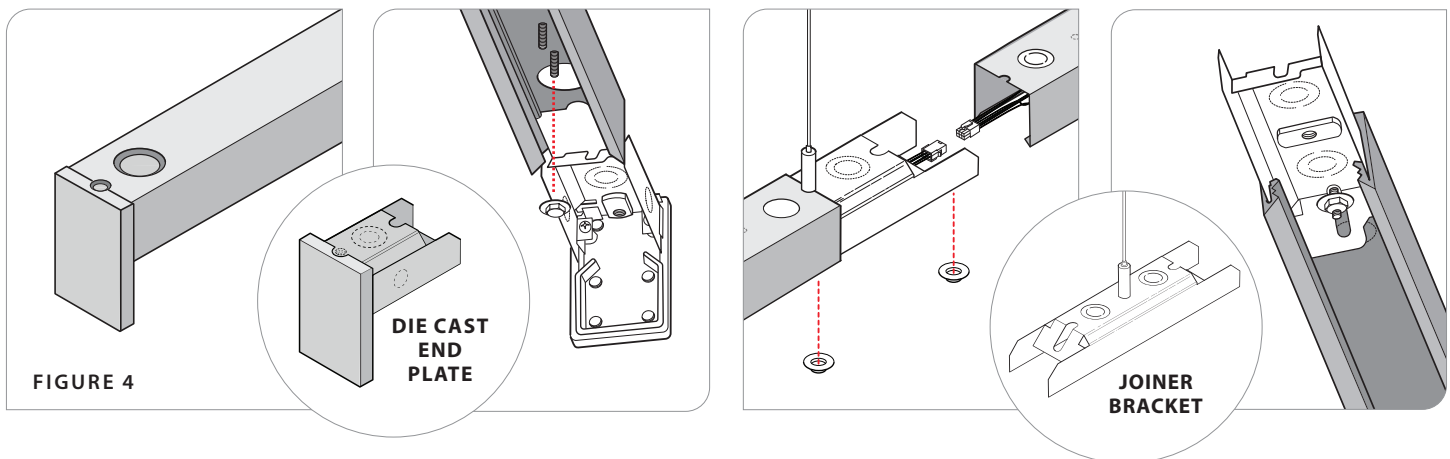
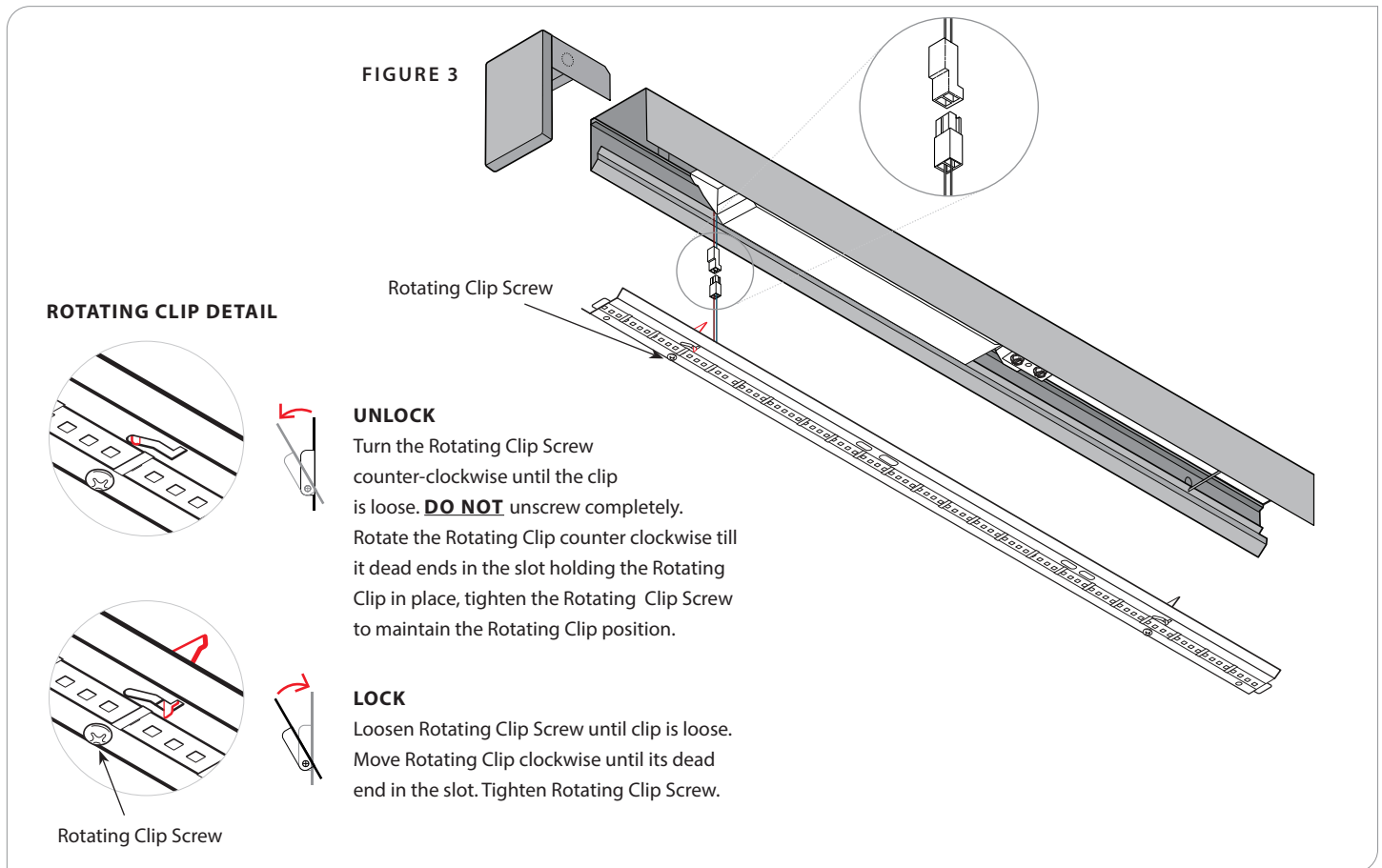
INSTALLATION INSTRUCTIONS

X1, X2, X6 — T-BAR

CONTINUOUS ROWS

REFER TO PAGE 3 FOR OPTIONAL T-BAR MOUNTING RAIL ASSEMBLY

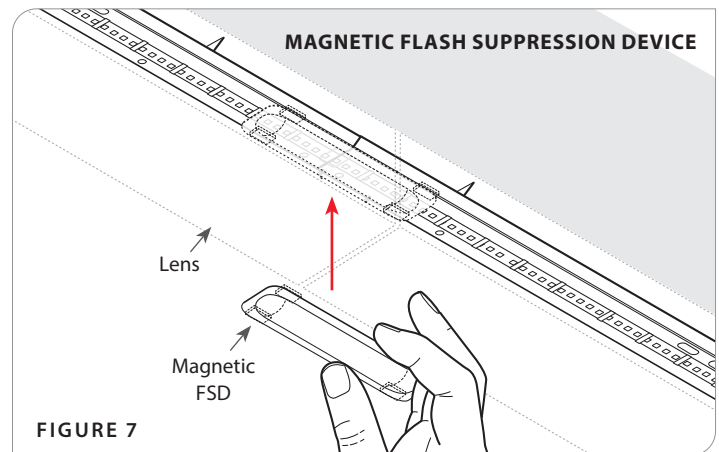
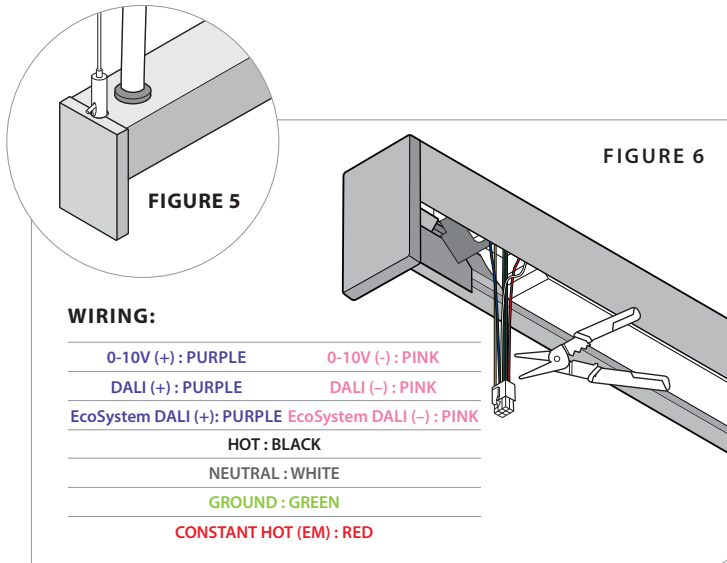
1. Unlock LED tray from clips and remove the LED tray by unplugging the LED lead wire disconnects on first fixture, remove LED Tray (figure 3).
2. Install die cast end plate to start (left end of fixture) and joiner on the seam end (figure 4).
3. Hang fixtures by screwing bottom cable gripper to welded nut on the cable mounting hole on both ends of start fixture.



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4. Install plastic strain relief bushing to power cord and snap it into the fixture (figure 5).
5. Cut lead end of the wire harness and strip wires. Make electrical connections (figure 6).
6. Remove reflector on all subsequent fixtures (intermediates and ends).
 - Install Joiner on right end of all intermediate fixtures and secure with pal nut.
 - Install die cast end plate on right end of end fixtures.
7. Join fixture by sliding the left hand end onto joiner of previously installed fixture and secure with pal nut. Screw the cable gripper in the mounting hole on right-hand end of fixture. Continue this until all fixtures in the row are installed.
8. Plug circuit assembly together for wiring rest of row.
9. Re-install reflectors. Ensure no wires are pinched between trays and housing to avoid electrical and alignment issues.
10. Install magnetic flash suppression devices at all lens seams (figure 7).
11. Re-install lenses. Some lenses may require field trimming.



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T-Bar (X1) | CAX1

Adjustable Cable Support

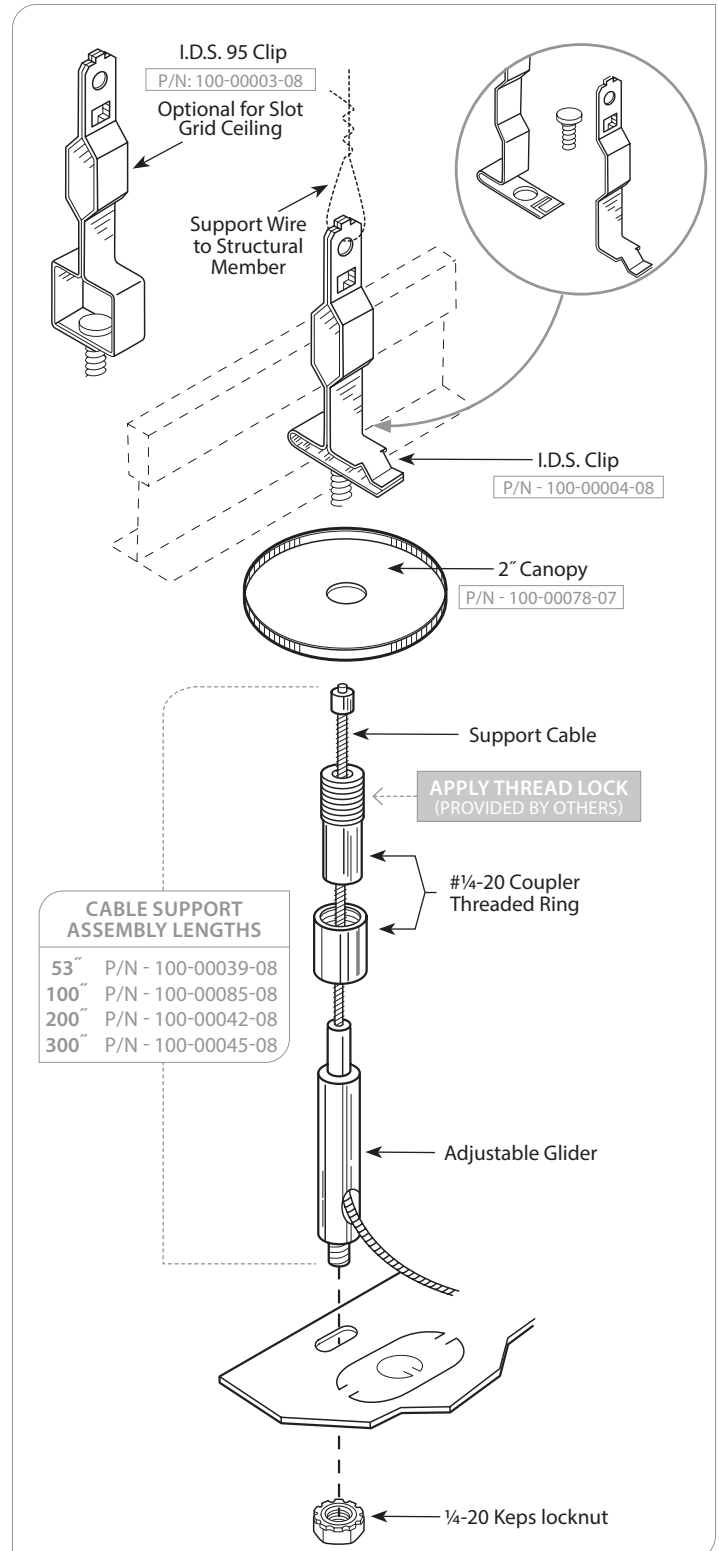
INSTALLATION INSTRUCTIONS



INSTALLATION

1. Place 1/4-20 stud into square opening on the bottom of I.D.S. clip. Position I.D.S. clip on ceiling grid at required location. Secure clip to structural member by inserting support wire through 1/4" dia. hole located at top of I.D.S. clip (Wire provided by others).
2. Insert open end of support cable through top threaded end of 1/4-20 coupling. Pull cable until crimp stops inside threaded end of coupling.
3. Push open (non crimped) end of cable through top (smooth end of adjustable glider). Insert cable completely through glider. Glider will engage around cable to prevent slipping. Disengage glider by pressing top smooth end down. Hold in place and pull cable back for adjustment.
4. Insert threaded barrel of adjustable glider through fixture. Securely attach glider to fixture with lock washer and hex nut. (**DO NOT TIGHTEN WITH EXCESS FORCE**). Trim excess cable no less than 3" beyond cable outlet.
5. Lift glider/cable to ceiling (with fixture attached). Place 2" canopy over mounting stud on I.D.S. clip. Hold canopy against ceiling surface. Thread 1/4-20 coupling onto stud (Be sure coupling is secure).

CAUTION: Do not remove crimp from cable. Crimps are factory pressed onto cable for maximum strength. Prudential Lighting will not be responsible for damage or injuries which occur due to cable/crimp alterations. If different cable lengths are required, contact Prudential Lighting immediately.



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T-Bar (X1) | CCAX1

Adjustable Cord / Cable Support

INSTALLATION INSTRUCTIONS



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

INSTALLATION

- Place 1/4-20 stud into square opening on the bottom of I.D.S. clip. Position I.D.S. clip on ceiling grid at required location. Place A.T. Clip onto ceiling grid. Slide A.T. clip against I.D.S. clip. Attach 3-1/2" octagonal electrical box to A.T. clip with 1/4-20 x 3/4" screw. Place washers between A.T. clip and electrical box. Secure box to grid. (See figure 1).
- Insert open end of support cable through top threaded end of 1/4-20 coupler. Pull cable until crimp stops inside threaded end of coupler. Push (Non-crimped end) of cable through top (smooth end of adjustable glider). Insert cable completely through glider. Hold in place and pull cable for adjustment. Insert threaded barrel of adjustable glider through fixture. Securely attach adjustable glider to fixture with lock washer and hex nut. (**DO NOT TIGHTEN WITH EXCESS FORCE**). Trim excess cable no less than 3" beyond cable outlet.
- Remove 1/2" round K.O. from the fixture. Contractor to field cut SJT cord at specified lengths and strip back a portion of outer insulation from one end of SJT cord. (Contractor to determine amount to be stripped). Insert stripped end of SJT cord through snap bushing. Press snap bushing and cord through 1/2" hole of the fixture. The cord should be secured with strain relief inside fixture.
- Place threaded ring over top of 1/4-20 coupler. Insert 1/4-20 coupler through 1 3/32" dia. center hole on canopy. Slip universal bushing and threaded bushing over top end of SJT cord. Let canopy rest on fixture end. Lift coupler/cable to ceiling with fixture attached. Thread 1/4-20 coupler onto I.D.S. stud. (Be sure coupler is secure). Adjust cable to require distance from ceiling surface.
- Use 1/2" nipple from canopy to electrical box. Trim SJT cord to required length and secure to electrical box with strain relief. Make all wire connections and replace electrical box cover. Lift canopy against ceiling surface. Apply a small amount of thread lock to coupler threaded area. Secure in place with threaded ring. Hold SJT cord under canopy and turn threaded bushing onto 1/2" nipple. Snap universal bushing into threaded bushing.

NOTE: Canopy will accommodate 3-1/2" octagonal electrical box. Electrical box must be attached to A.T. clip. Refer to NEC 370-16 for maximum electrical box fill. Clamp connector and electrical box provided by other.

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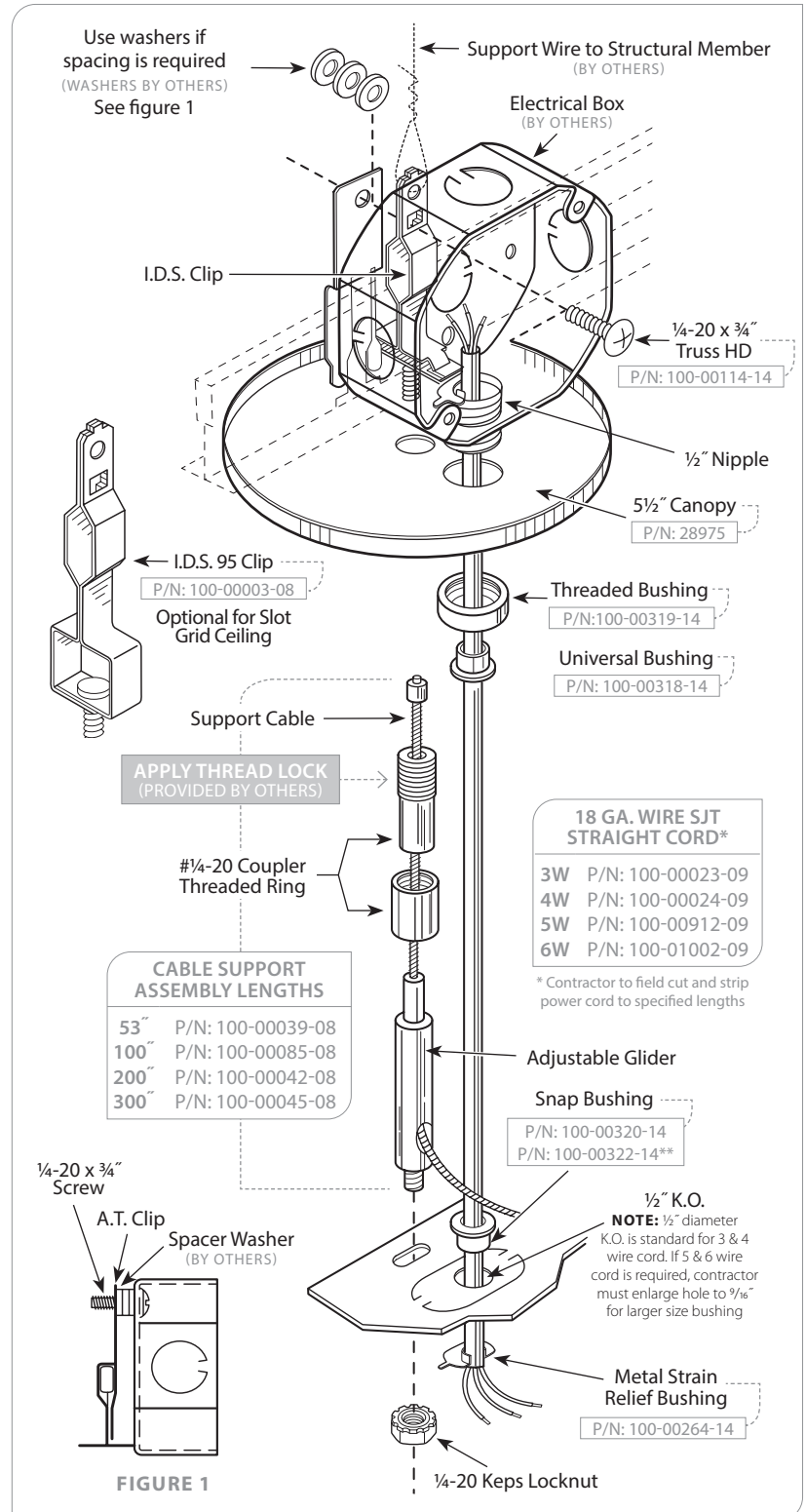


FIGURE 1

WARNING: Ground fixture in accordance with local and national electrical codes. Failure to do so may result in serious personal injury. Fixture Installations should ONLY be done by a qualified licensed electrical professional.