

SIA SERIES

INSTALLATION INSTRUCTIONS



WARNING:

- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Make sure all electrical power is turned off while installing the fixture.
- This luminaire must be adequately grounded for protection against shock hazards and to assure proper operation.
- Disconnect power before servicing.
- LEDs are ESD (Electro Static Discharge) sensitive devices that can be easily damaged if the proper ESD mitigating steps are not taken.
- LEDs are very sensitive to mechanical damage. Caution must be taken to avoid damage to the LEDs.
- ESD or mechanical damage voids all warranties.
- Suitable for dry and damp locations

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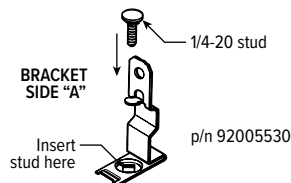
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FOR USE WITH SIA1, SIA2, SIA3

A. STAND-ALONE ASSEMBLY

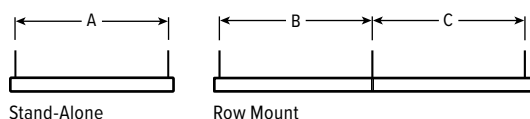
STEP 1: T-bar mounting bracket halves are supplied as a one-piece metal stamping. Break mounting bracket apart. Insert 1/4-20 threaded stud into "A" half of bracket. (FIG A.1.1)

FIG A.1.1



STEP 2: For T-bar ceiling, install mounting brackets at desired locations. Brackets must be placed exactly on each mounting point for correct installation and hanging of cables.

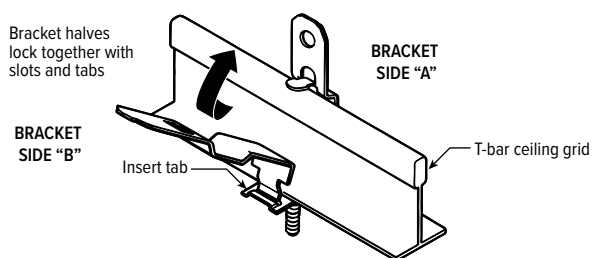
FIG A.2.1



MOUNTING DETAILS			
	A	B	C
4'	46-1/8"	46-1/4"	47-1/16"
8'	93-3/16"	93-1/4"	94-1/8"

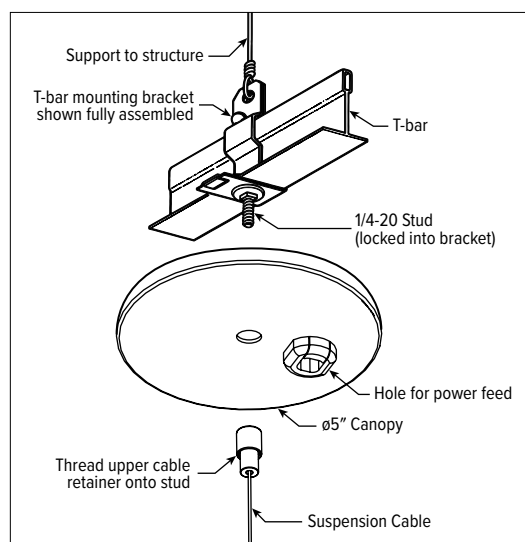
STEP 3: T-bar mounting bracket halves interlock. Snap side "B" together with side "A" around T-bar. (FIG A.3.1)

FIG A.3.1



STEP 4: Suspension locations must be securely supported to the structure before hanging light fixtures onto brackets. Use 12-gauge or stronger steel ceiling support wire. (FIG A.4.1)

FIG A.4.1



STAND-ALONE ASSEMBLY CONTINUED ON NEXT PAGE.

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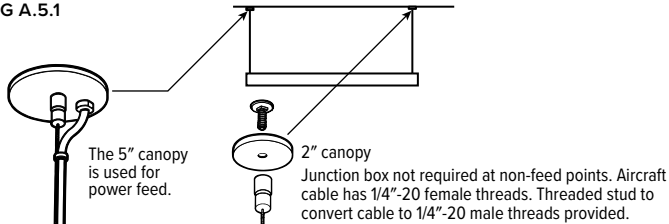
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STEP 5: Place the canopy flush to ceiling tile and thread upper cable retainer onto the 1/4" - 20 stud. (FIG A.4.1)

A stand-alone fixture will require two suspension cables. The 5" diameter canopy will be used only at power feed locations. Smaller 2" canopies are to be used at non-feed locations (FIG A.5.1). Power feed cord will pass through hole with plastic strain relief bushing.

NOTE: For safety, always support the weight of the fixture.
Do not leave a fixture hanging by only one end while working.

FIG A.5.1



STEP 6: Hang the fixture from suspension cables by hooking into each end of light fixture.

A. Install 10 - 32 flange nuts from the hardware kit onto threaded cable end and adjust up or down as necessary until fixture is level (FIG A.6.1). Fully adjustable cables allow you to vary the length from 6" to 96" with a stopping device that may be secured at any point along the length of cable.

B. One 10 - 32 flange nut from the hardware kit secures the fixture.

NOTE: When hanging the junction box onto the T-bar mounting bracket, tie the ceiling support wire for this location directly to the T-bar. (FIG A.6.2)

FIG A.6.1

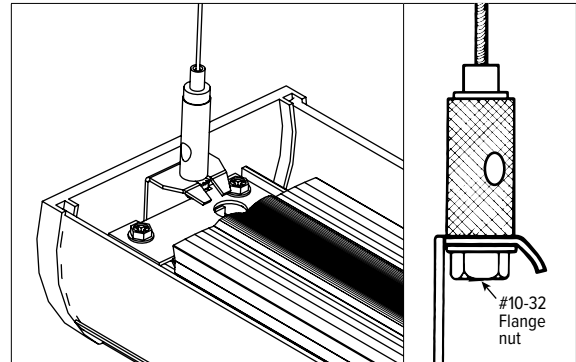
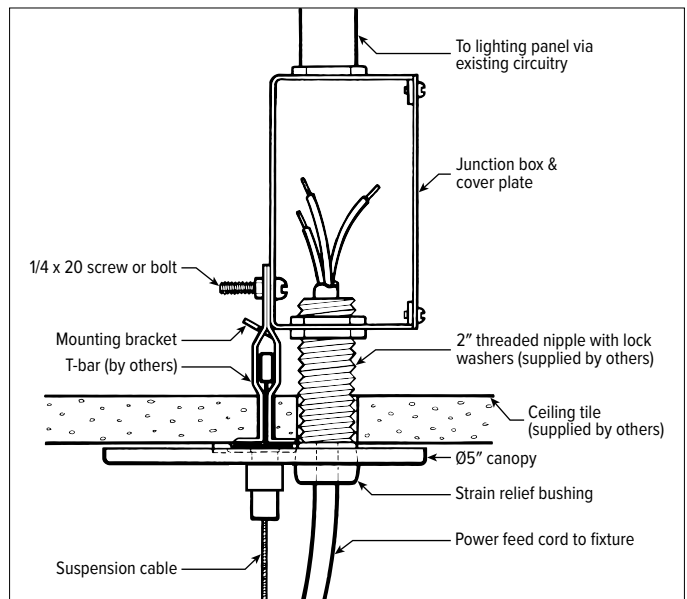


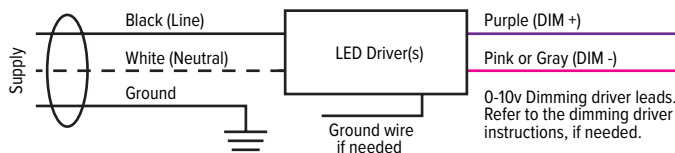
FIG A.6.2



B. WIRING DIAGRAM

Make electrical connections in accordance with NEC and local codes.

Driver/power supply disconnects accept #12 - #16 AWG stranded or solid wire.
Attach power supply and ground wires using UL listed wire connectors.
Please consult factory for other driver configurations or emergency driver wiring diagrams.



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C. ROW ASSEMBLY

POWER FEED HARDWARE:

Each power feed hardware kit includes the following:

- (2) T-bar mounting brackets & 1/4 - 20 studs
- (1) 5" diameter canopy with retaining screw
- (1) 2" diameter canopy
- (2) Suspension cables with hardware
- (2) 10 - 32 flange nuts with serrations
- (1) Strain relief bushing
- (5) Cable ties (white plastic)

JOINER/END FIXTURE HARDWARE:

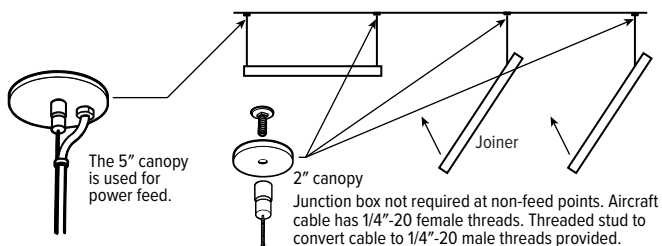
Each non-power feed hardware kit includes the following:

- (1) T-bar mounting bracket & 1/4 - 20 stud
- (1) 2" diameter canopy with 1/4" diameter
- (1) Suspension cable with hardware
- (1) 10 - 32 flange nuts with serrations
- (1) #8 x 3/8" hex head screw

STEP 1: For T-bar ceiling, install mounting brackets at desired locations (See "STAND-ALONE ASSEMBLY" on page 1; Step 1 & Step 2).

STEP 2: Install mounting cables at desired locations. Only the first fixture in each row will require two suspension cables. Each adjoining fixture will require only one cable before attaching to the previous fixture.

NOTE: For safety, always support the weight of the fixture.
Do not leave a fixture hanging by only one end while working



STEP 3: Begin each row by hanging and leveling the power feed fixture from the first two suspension cables. The second fixture in line will hang from the next suspension cable and attach to the end of the first fixture as follows:

- A. Lay out extrusions, so that the alignment hook end of each fixture segment is facing the slot end of the preceding segment. (See FIG C.3.1)
- B. Plug fixtures together with quick-connect wiring at fixture ends.
- C. Align each new segment with the locking plate, and interlock alignment hooks and slots at fixture ends for correct alignment. Butt fixture ends together.
- D. Insert one #8 x 3/8" hex head screw included with joiner fixture hardware kit to compress locking plate and securely fasten fixtures together. (See FIG C.3.2)
- E. Each additional fixture in the row attaches in the same manner.

FIG C.3.1

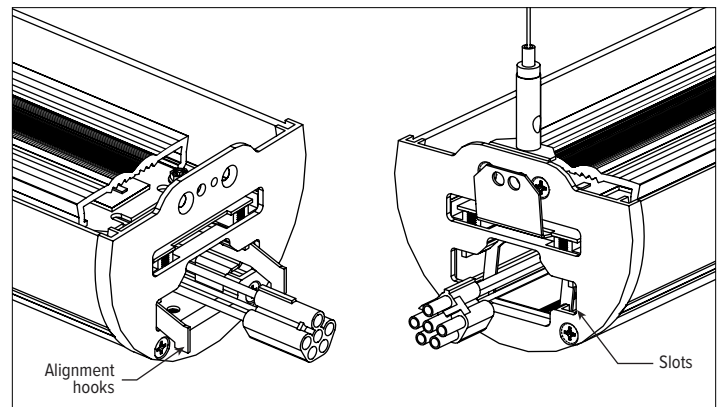
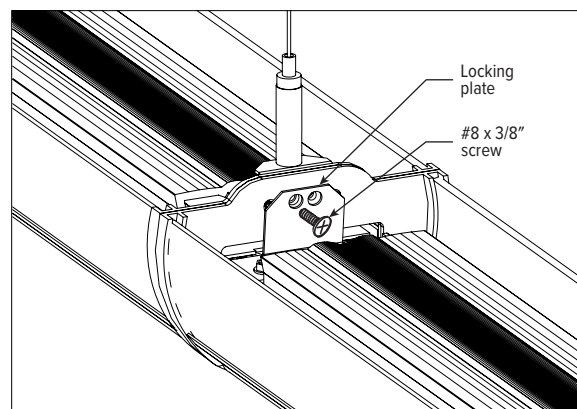


FIG C.3.2



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D. EMERGENCY DRIVERS (REMOTE ONLY)

STEP 1: Install remote EM box per local codes and connect to 4" ceiling hex box.

STEP 2: Connect incoming power.

STEP 3: Connect EM unswitched power.

STEP 4: Plug (2) red wires in remote EM box to charge battery.

STEP 5: Connect wiring to cord from LEDs.

STEP 6: Cross bar for hex box installed for cover, canopy, and hanging cable.

