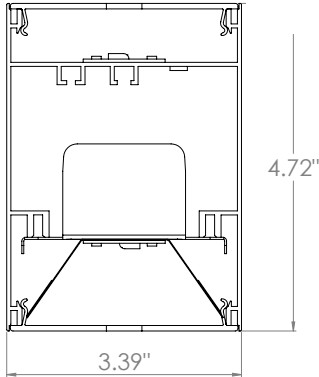# STUD™-DI

Pendant Mount Direct/Indirect 3" Linear LED Luminaire

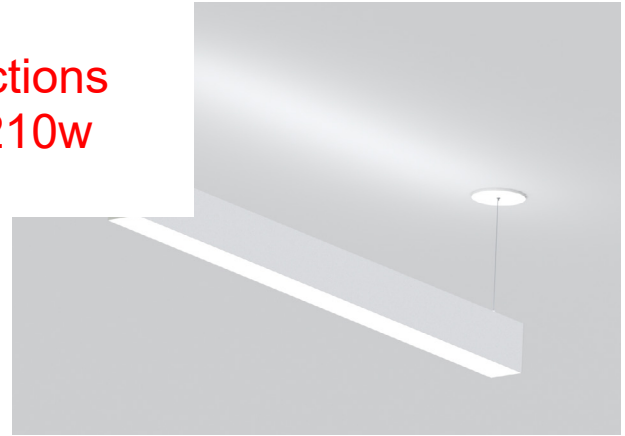Project Name: _____
Fixture Type: _____
Notes: _____

■ DESCRIPTION

The STUD™-DI is our sleek direct and indirect linear LED fixture. With the ability to connect one fixture to anoth̶ or corners, there's not much that can

■ DIMENSIONS

4.72"

3.39"

2 x 8' + 2x 6' sections
28' x 7.5wpf = 210w
3500K

■ LUMEN OUTPUT PERFORMANCE

	50/50 (Lm)	40/60 (Lm)	60/40 (Lm)
LLW	249/249	199/298	298/199
SLW	368/368	294/441	441/294

■ ORDERING CODE

Example: **STUD-DI-8-SLW-5050-30K-WH-STD-90C-ST-EM-5RAW18**

Product	Length	Watts	Lumen Output Percentage	Color Temperature	Housing Finish
STUD-DI					
STUD-DI	**2** 2 feet **4** 4 feet **8** 8 feet **X** Custom length (18 inch min.) inches	**SLW** Standard- 7.5W/ft **LLW** Low- 5W/ft **HLW** High- 9.38W/ft **CLW** Custom W/ft (Max. 9.38W/ft) W/ft	**5050** 50% direct, 50% indirect **4060** 40% direct, 60% indirect **6040** 60% direct, 40% indirect	**27K** 2700 **30K** 3000K **35K** 3500K **40K** 4000K	**WH** Matte White (Default) **XX** Custom Power Coating (Consult factory for colors)

Optics (Direct)	Optics (Indirect)	CRI	Driver	Optional	IC Control (Optional)	Pendant
STD Standard lens **DRP** Drop lens **ASM** Asymmetric lens	**STD** Standard lens **DRP** Drop lens	**80C** 80CRI **90C** 90CRI (Default) **95C** 95CRI	**ST** Standard **LES** Lutron EcoSystem Driver **LH** Lutron* Hi-Lume CV Driver * Hi-Lume CV Driver is required for RGBW	**EM** Emergency Driver **6WH120** 6ft control whips-120V **6WH277** 6ft control whips-277V	**DS** Daylight sensor **OS** Occupancy sensor **DOS** Daylight & Occupancy sensor	**5RAW36** Feed/Non Feed 5" **White** Round Canopy with 36 inches Aircraft Cable **(default)** **5RAB36** Feed/Non Feed 5" **Black** Round Canopy with 36 inches Aircraft Cable **Custom**- Enter part# from **Table 1** below:

■ AIR CRAFT CABLE AND STEM MOUNTING OPTION (TABLE 1)

Type	Canopy	Hardware	Color	Length
F Feed Kit **N** Non-Feed Kit	**5R** 5" Round-**Standar** **5S** 5" Square **Note:** other sizes available, consult factory for details	**A** Air Craft Cable- **Standard** **S** Stem **Note:** Stem option is not available for Power Suspension kits	**W** White- **Standard** **B** Black **X** Custom RAL#:	**18** 18 Inch **36** 36 Inch - **Standard** **48** 48 Inch **72** 72 Inch **XX** Custom Length **Standard Length:** Air Craft Cable: 36" Stem: 18"

File Name: STUD-DI SPEC B03 SD DEC 4, 2023

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STUD™-DI

Pendant Mount Direct/Indirect 3" Linear LED Luminaire

■ SPECIFICATIONS

LED SYSTEM

• WATTS: 5 W/ft, 7.5 W/ft, 9.38 W/ft

• COLOR TEMPERATURE: 2700K, 3000K, 3500K, 4000K

• LUMENS OUTPUT: 3 lumne output options STANDARD, LOW, HIGH as well as custom lumens output are available

• CRI: Minimum 80 color rendering index with an option of 90 and 95 CRI

• COLOR consistency: 3-step binning LEDs

OPTICS

Frosted snap-in spotless lens.

ELECTRICAL

Standard driver is a 120V/277V Constant current fully dimmable driver using 0-10V (down to 1%), dimming source current 150 µA

LES driver is a Hi-Lume EcoSystem with Soft-on, Fade-to-Black LED driver, dims down to 1% and fades smoothly between 0%-1%

LH Lutron driver is a Hi-lume EcoSystem LED Driver, dim down to 1% and fade smothly between 0%-1% with Soft-on, Fade-to-Black Hi-lume 2-Wire LED Driver, dim down to 1%

• QUICK CONNECTOR: Push-in quick connectors allow fixtures to be joined together for a long run with only one input power wiring.

• FEED: Standard 18-gauge/5 conductor single circuit feed. Optional 6' 120V/277V flex conduit whips available .

• EMERGENCY (Optional): Remote emergency battery pack provides backup power for 90 minutes. Remote emergency test switch inclued.

MOUNTING

PENDANT: White round canopy with an aircraft cable of 36 inches is provided by default with the additional choices of black or custom colors. Air craft length can be 18, 36, 48, or 72 inches with the option for custom lengths.

• Mounting brackets are provided to be attached to the pendant kit; allowing for the pendant to be mounted directly into the ceiling. This design is versatile for any location and easily moved.

*Consult factory for connection with reccesed version

CONSTRUCTION

DIMENSIONS: 3.39" W x 4.72" H

END CAPS: Die-formed steel end caps add 1/8" to each end of fixture.

REFLECTORS: Die-formed steel reflectors with high reflectance glossy white powder coat finish, 60 degree beam spread.

HOUSING: Anodized aluminum extrusion cut with high precision equipment with up to 98% reflectivity on the inside.

HOUSING FINISH: Powder coated white by default; with black available, and the option for custom colors. This provides the channel with a smooth finish and a defined color

FIXTURE LENGTH: Individual Run: Nominal length of 2ft (23.75"), 4ft(47.75"), 8ft (94.75") as well as custom length are avaiable down to inch increment with 18" minimum length.

*System Run: A seamless connection system of continuous runs. Runs of STUD3 that are longer than 8' in length are designated as System Run. 90-degree mitered corner are avaiable for inside/outside and zig-zag corners.

LISTING/WARRANTY

• WARRANTY: 5 year limited warranty, ambient temperatures at fixture location should not exceed 40°C during normal operation.

• APPROVALS: UL/C-UL listed-E493134. This is also suitable for damp locations and is IC rated for recessed mount insulated ceiling

• WEIGHT: 1.55 lbs/ft

• CRI ≥ 80

• 50,000 hours lamp life at 70% lumen maintenece (L70)

• US & International Patents Pending

■ SYSTEM RUN
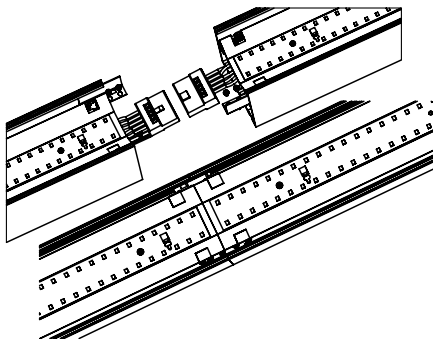
Quick-wire connection system allows STUD3 to be joined together with only one line power input to the continuous system runs. The STUD3 unit with line power input is connected to next unit with quick-wire connectors.

NOTE: Mount each system segment individually prior to joining them together

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Pendant Mount Installation Instructions

■ For your safety, read and understand instructions completely before starting

Note: PreciseLED recessed fixtures are designed to meet the latest NEC requirements and are listed in full compliance with UL 1598. Before attempting installation of any recessed lighting fixture, check your local electrical building code. This code sets the wiring standards and installation requirements for your locality and should be understood before starting work. If fixture is to be switch from wall switch or dimmer, make sure black supply wire properly connected to switch or dimmer (follow switch/dimmer instructions).

■ WARNING:

1. Before wiring to power supply, turn off electricity at the fuse or circuit break box.
2. Insulation may be placed in direct contact with ANY part of the fixture.
3. Always have installation performed by a licensed electrician.
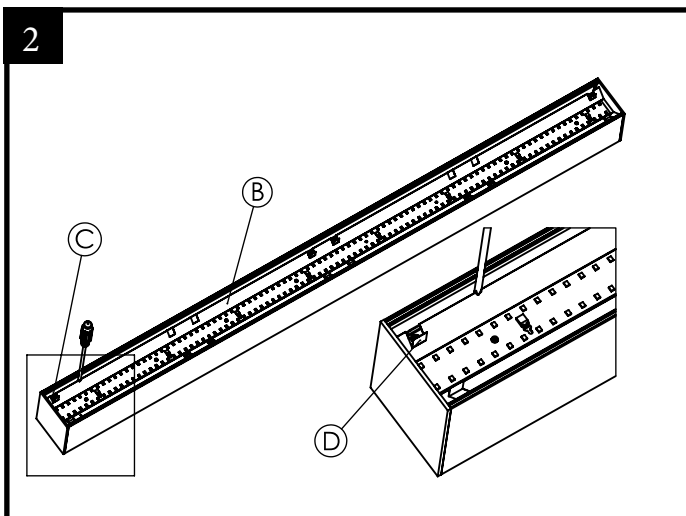
■ FIXTURE INSTALLATION

PART LIST

A Optics
B LED module
C LED module screws
D Screw tab
E BX cable (by others)
F BX knockout plate

G Wire nuts(By others)
H BX connector nut
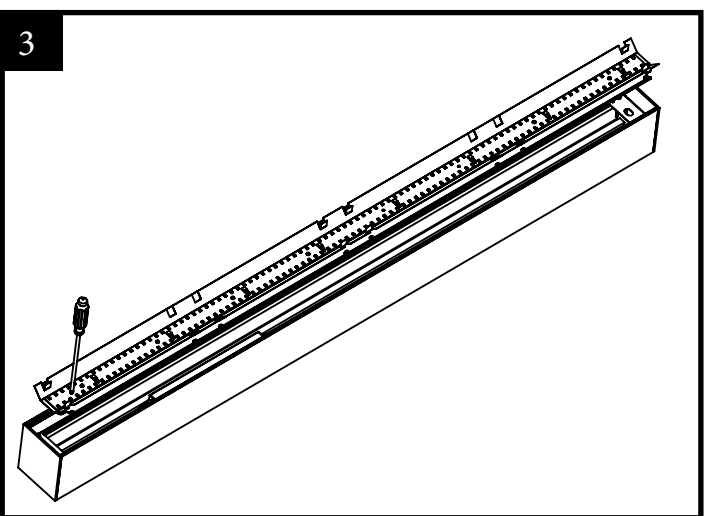I drywall anchor/ 1/4-20 screws (by others)

Mounting Holes Dimensions

45.24''

1.18''
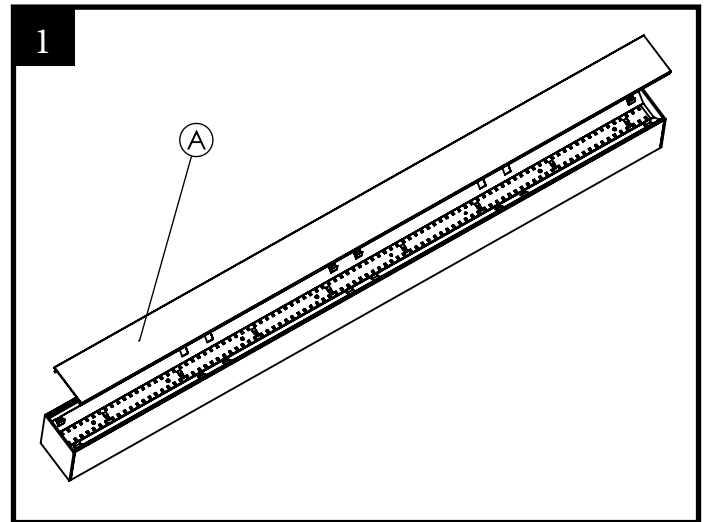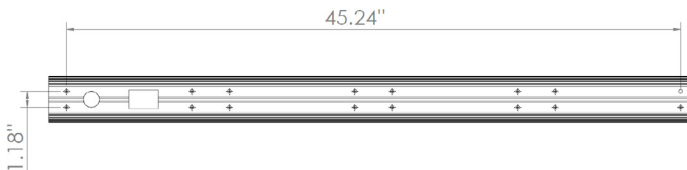
1.Ensure the power to the fixture's circuit is turned off. Remove optics (A) by the provided tool.
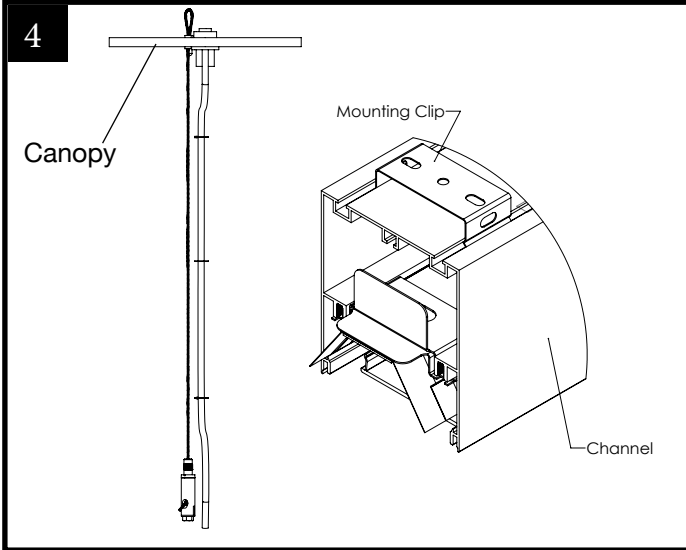

2. Open the screw tabs (D) (DO NOT remove the tabs) on the LED module, and uncrew the screws (C)

3. Disconnect the LED module wires and remove the LED module (B) to get access to the wires.

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Pendant Mount Installation Instructions

4

Canopy

Mounting Clip

Channel
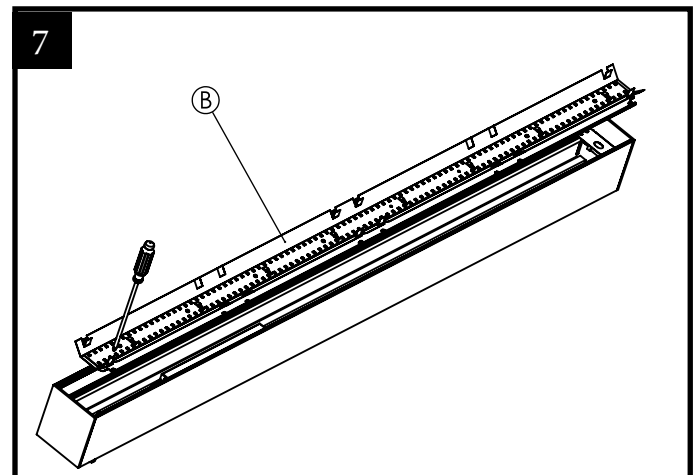
4. Locate canopy in the ceiling. Slide and attach mounting clip to channel at specified pendant locations.

5

Mounting Nut and Bolt
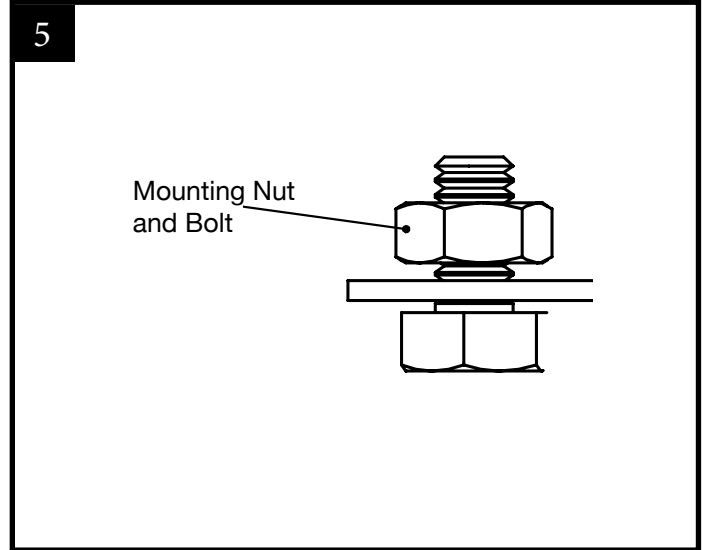
5. Attach the the mounting nut and bolts to the mounting clips at the specified pendant locations.

6

⌀0.35"

Thread Adapter
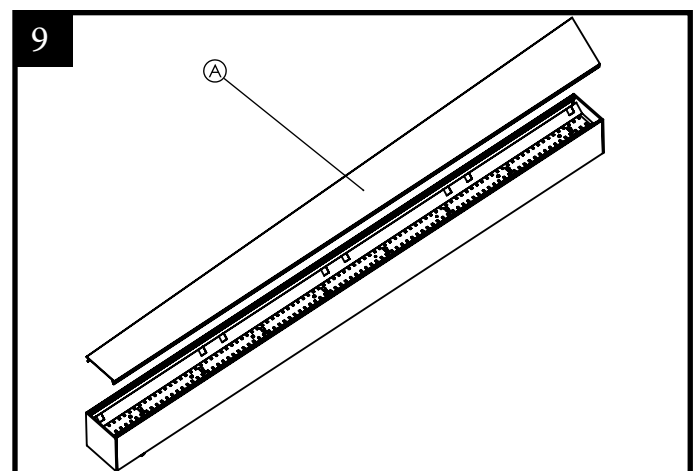
Mounting Nut and Bolt
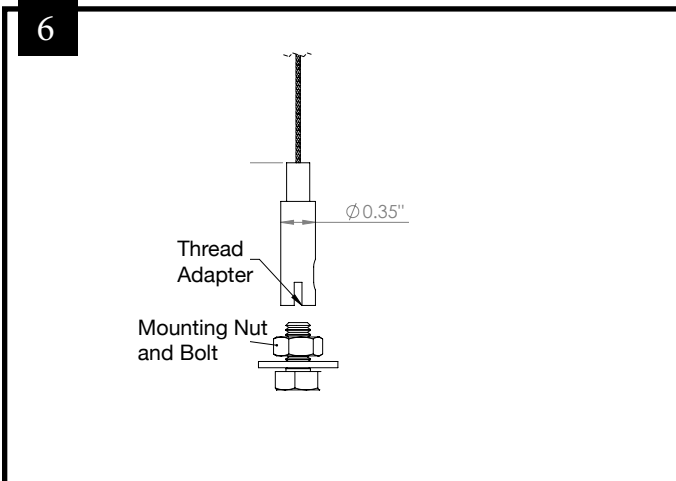
6. Fasten fixture to ceiling by attaching the thread adapter to the mounting nut and bolt.

7

B

7. Re-install the LED module (B) and LED module screws

8

D
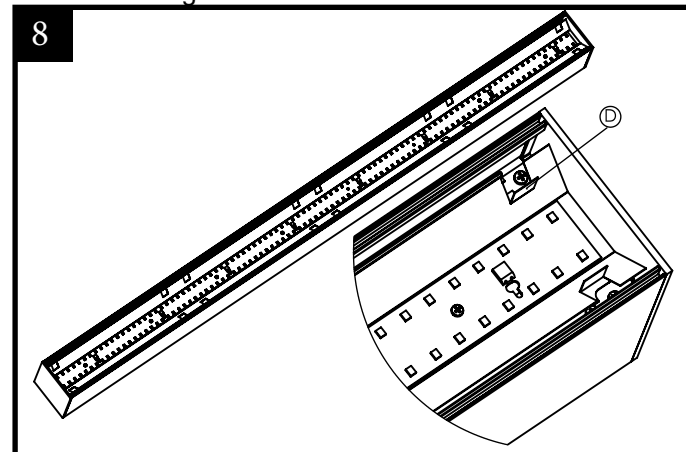
8. Push back the screw tabs to origional position (DO NOT remove the tabs)

9

A

9. Re-install optics (A). Turn on the power safely.

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Pendant Mount Installation Instructions

■ SYSTEM RUN

Quick-wire connection system allows STUD3 to be joined together with only one line power input to the continuous system runs. The STUD3 unit with line power input is connected to next unit with quick-wire connectors.

Male connector   Female connector
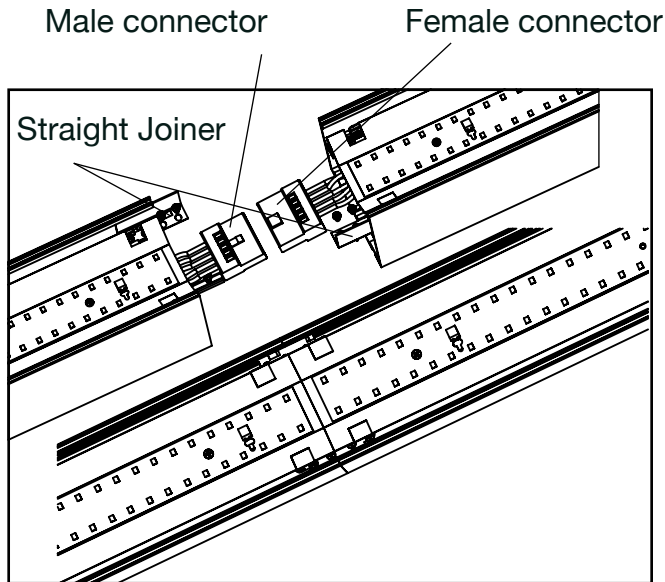
Straight Joiner

Remove the male connector, and connect the female connector to the male connector of next fixture. Join two fixtures together by the provided straight joiner and screws.