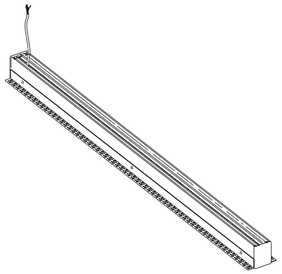
techoLED®
BROOKLYN • NY



INSTALLATION AND
ASSEMBLY INSTRUCTIONS

BX-2 / BX-3

RECESSED MUD-IN

www.techoled.com | Brooklyn NY

SAFETY INFORMATION

CAUTION

All installation must be completed by a qualified electrician!

NOTICE

Install in accordance with applicable electrical and building codes. Read the full procedure before starting.

Disconnect power before installation or servicing.

Use the approved project drawings for ceiling support, fasteners and fixture layout. Joint compound is not a structural fixing.

Protect the LED components and diffuser from dust, compound and paint. Keep electrical connections accessible for servicing.

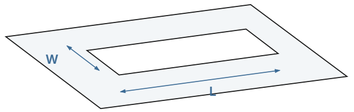
QUESTIONS OR CONCERNS?

TechoLED
212-876-5373
info@techoled.com

OPENING AND PREPARATION

01 Turn off power at the circuit breaker. Locate concealed cables and services before cutting.

02 Mark and cut the ceiling opening to the approved shop drawing for the selected model. Allow clearance for the side screws and power feed.



L / W: PER APPROVED SHOP DRAWING

03 Provide backing at the fixing points. Dry-fit the fixture and confirm that the flanges seat flat against the ceiling.

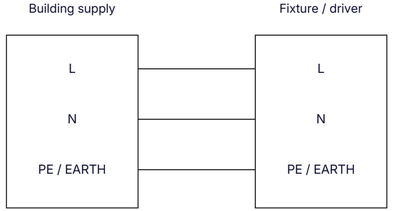
CONTINUOUS RUNS, IF SPECIFIED

Lay out the sections in the specified order. Complete the supplied mechanical joints and wiring harness connections per the project assembly drawing before final fastening and mudding. Keep the run straight and the joints aligned.

ELECTRICAL CONNECTION

04 Connect supply and protective earth to the labelled fixture leads. Follow the wiring diagram supplied with the ordered driver.

SUPPLY CONNECTION



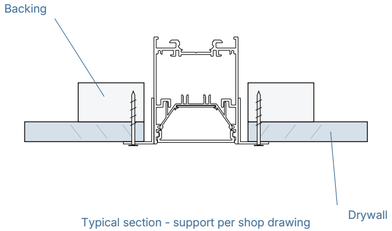
Connections shown by function. Use the markings on the supplied fixture; conductor colours may vary.

05 Connect dimming or control leads only as shown on the supplied driver diagram. Insulate unused control leads individually.

Make connections in a suitable, accessible enclosure using approved connectors. Secure the power feed with the specified strain relief and keep all wiring clear of sharp edges and fixing screws.

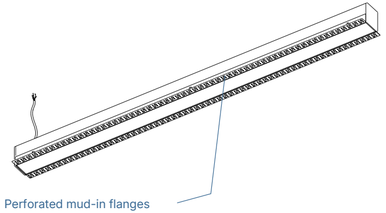
RECESSED INSTALLATION

06 Lift the fixture into the opening without trapping the power feed. Seat both mud-in flanges against the ceiling.



Typical section - support per shop drawing

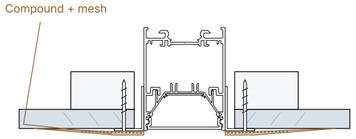
07 Use the flange mounting holes and the fasteners specified for the ceiling support. Tighten evenly without distorting the housing. Check alignment and diffuser fit before finishing.



MUD-IN FINISHING

08 Mask the diffuser and light opening. Apply reinforcing mesh across each flange-to-drywall transition as required by the finishing system.

09 Cover the flanges and screw heads with compatible joint compound. Feather into the ceiling and allow each coat to dry. Keep the light opening clear.

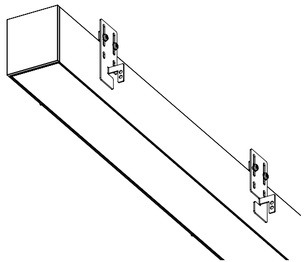


Keep diffuser and light opening clear

10 Sand, prime and paint the ceiling. Remove masking carefully and clean the diffuser. Refit any optical parts removed for access.

11 Check that the fixture and diffuser are secure and the earth connection is complete. Restore power and test the light and controls.

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INSTALLATION AND
ASSEMBLY INSTRUCTIONS

BX-2 / BX-3

RECESSED T-GRID

SAFETY INFORMATION

CAUTION

Risk of fire or electrical shock. Disconnect power before installing or servicing.

Installation must be completed by a licensed electrician familiar with the construction and operation of the product and the hazards involved, in accordance with the applicable installation code.

NOTICE

Before proceeding, read all instructions carefully to ensure proper and safe installation.

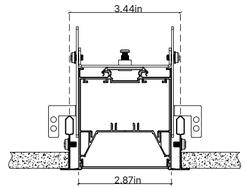
Failure to follow these instructions could result in product damage and void warranties.

QUESTIONS OR CONCERNS?

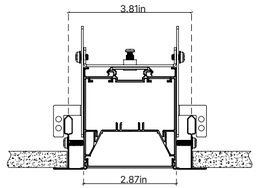
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info@techoled.com

GRID OPTIONS

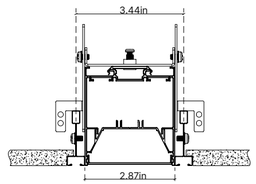
9/16" TEE GRID



15/16" TEE GRID

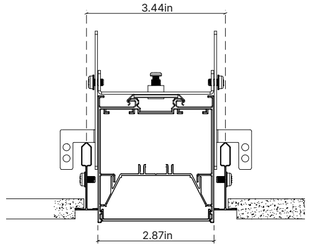


SLOT GRID

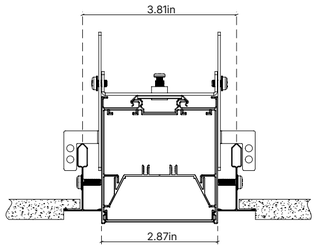


GRID OPTIONS

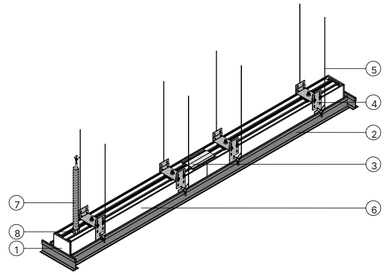
9/16" TEGULAR



15/16" TEGULAR



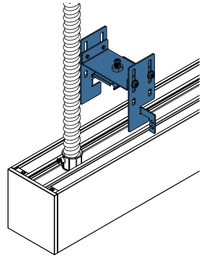
FIXTURE COMPONENTS



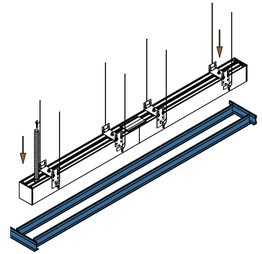
01 End cap
02 Ceiling grid
03 Connector
04 T-grid bracket
05 Safety cable (by others)
06 Extrusion
07 BX cable (by others)
08 BX cable connector

T-GRID INSTALLATION

01 Before placing the fixture in the grid, snap the brackets onto the extrusion.

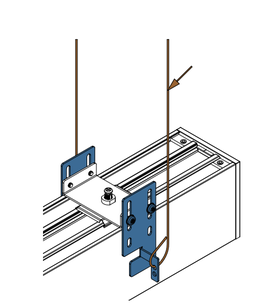


02 Place the fixture in the ceiling grid. Make sure the brackets are positioned correctly and rest on the grid.

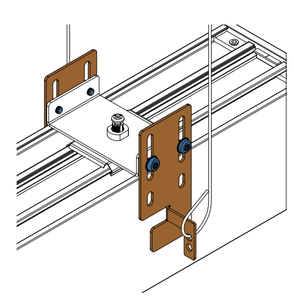


SUPPORT AND ADJUSTMENT

03 Secure the brackets to the building structure using tie wire (by others).

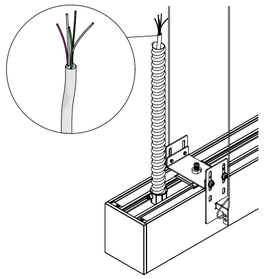


04 Adjust the bracket height using the side screws.



ELECTRICAL CONNECTION

05 Connect the power feed as shown below.



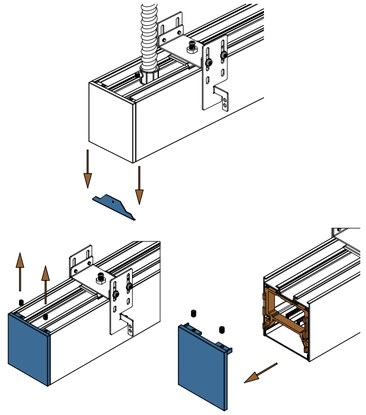
WIRE CONNECTIONS

■	**BLACK**	AC-L / Live
□	**WHITE**	AC-N / Neutral
■	**GREEN**	GND
■	**PURPLE**	Dimming (+)
■	**GREY**	Dimming (-)

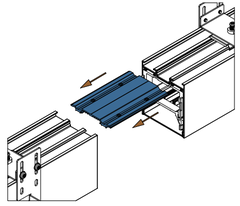
The purple and grey wires do not need to be connected if dimming is not required.

CONTINUOUS RUN ASSEMBLY

01 Remove the end caps.

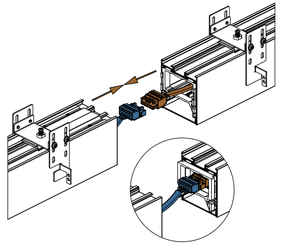


02 Slide the connector into the profile.



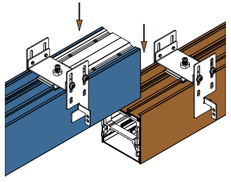
CONTINUOUS RUN ASSEMBLY

03 Connect the wiring harness before joining the two fixtures.



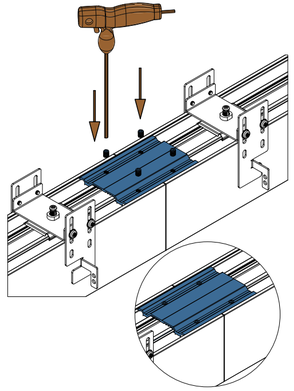
03a Push the connector into the extrusion before connecting it.

04 Align the first fixture above the second and slide it downward until fully seated.



CONTINUOUS RUN ASSEMBLY

05 Tighten the screws.



CONTINUOUS RUN ASSEMBLY

ASSEMBLED RUN

