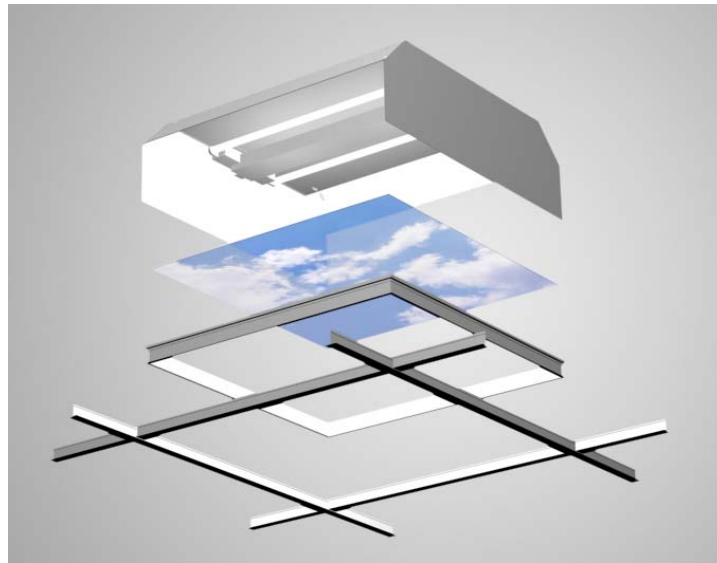


T5 Rectilinear SkyCeiling™ Installation Instructions (Imperial)



Before starting:

- Rectilinear SkyCeilings are designed to integrate with standard 2' x 2' or 2' x 4', 15/16" ceiling grid systems
- **Must have at least 9" of clearance** from the bottom of the grid to the deck above.
- Be sure **grid** is installed **level and square**.
- **Grid Hanger Straps** supplied to facilitate installation of Elevators. See Step 1.
- **For 2' x 2' systems, be sure all adjacent runners (mains) are not supported in the same opening** or it will interfere with installation and removal of the Elevator and SkyTile.
- Non-dimmable light fixtures are auto-ranging: **120-277VAC**.
- Dimmable light fixtures are voltage dependent: **120VAC or 277VAC**.
- **Electrical work must be performed by a qualified electrician.**

Step 1: Install Grid Hanger Straps

Grid Hanger Straps allow the grid to be supported without the hanger wire interfering with the installation and proper fit of the Elevator and SkyTile. Straps are designed to wrap down over the rectangular top bulb of the runner and fasten together through one of the holes in the grid. Bend the strap at the two perforations in the center and fold it over the grid. Use the enclosed 8-32 x 1/4" undercut flat head machine screws and Keps nuts to secure it. Grid wire goes through the holes in the straps just below the fold.

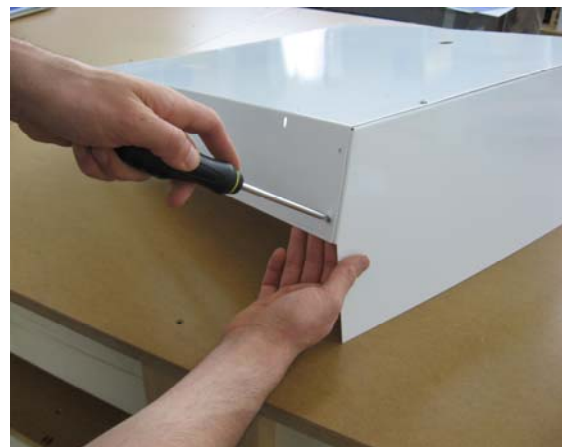
Where possible, support the runners in the middle of 2' x 2' or 2' x 4' openings for ease of Elevator installation. **Do not hang adjacent runners in the same 2' x 2' opening: installation of the Elevators and SkyTiles requires one open side above the grid into which they can be temporarily inserted before dropping down into the grid pocket.**



Step 2: Assemble the Light-Boxes

All T5 light boxes come with end caps that need to be installed.

End caps: Fasten one end cap onto each end of light box body using the provided 8-32 self-threading screws. Thread screws in from outside the unit as show in picture to the right.



Step 3: Install the Light Boxes

Place the assembled light box over a 2' x 2' or 2' x 4' opening of suspended ceiling grid so that **the grid runners (or mains) are parallel to the open side of the light box**. Lower the light box onto the grid spanner (or cross-tee) making sure that the end caps sit *inside* of the vertical leg of the grid & rest on the upper surface. See Figure 1.

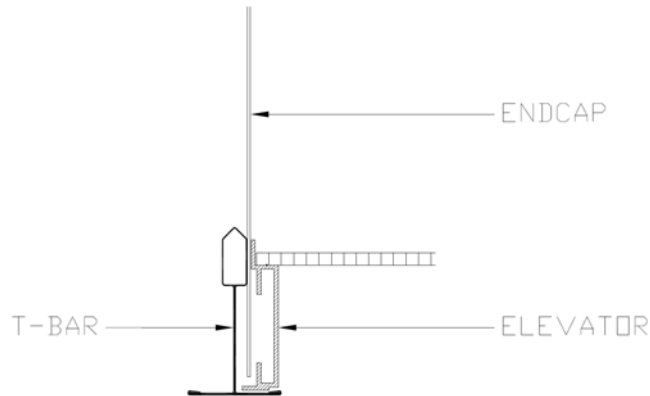


Figure 1

Support the light box with hanger wire using the slots located in each corner of the top of the fixture. The weight of the light box must be supported by the hanger wire, **NOT** the ceiling grid, and the bottom of the end caps should sit **1/16" – 1/8" above** the horizontal surface of the T-bar. See Figure 1. This will allow the bottom lip of the elevator to slip underneath the end cap.

Secure the wire to the ceiling according to national and local code. See Figure 2.

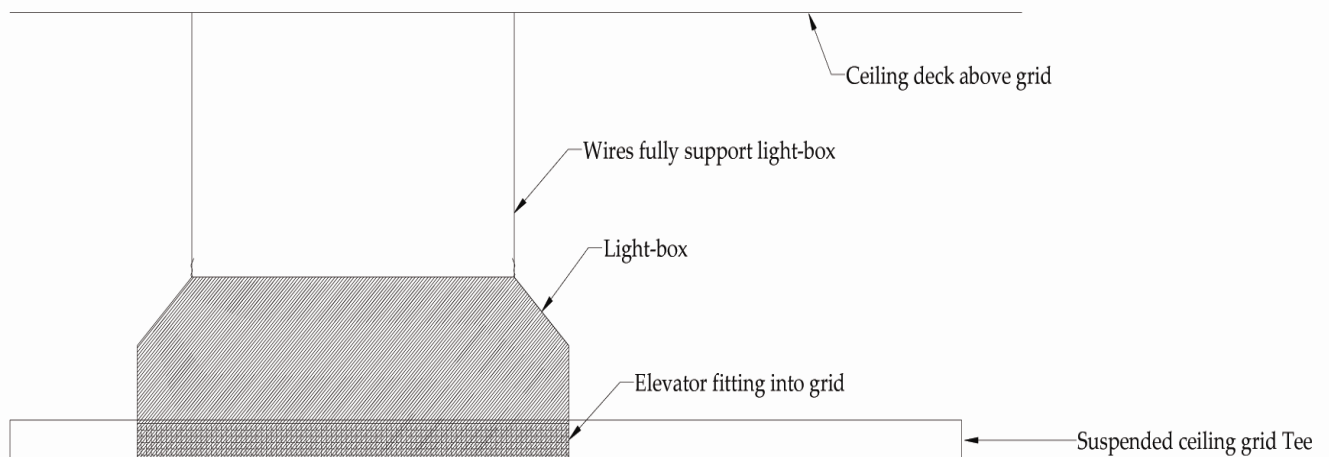


Figure 2

Light boxes use universal end caps. If the length of the end cap is smaller than the grid opening, center the light box in the opening. This helps insure even light distribution in the image.

Step 4: Electrical Connection of Light-Boxes

All non-dimmable fixtures, auto-ranging: 120-277VAC.

All dimmable fixtures, voltage dependent: 120VAC or 277VAC.

Connect power line by means of the quick-wire plate located on top of the light-box in conformance to Local and National Electrical Codes. Be sure to test the lighting before moving on to Step 5.

T5 Lighting System for Rectilinear SkyCeiling Installations					
TSF Part No.	No. of Lamps	Dimensions W x L x H (inches)	Weight (lbs)	Input Current	
				120V 50/60Hz	277V 50/60Hz
Standard Fixtures -- Auto Ranging					
SKF.22U	(2)F14T5	23.375 x 23.375 x 8.0625	5.9	0.29	0.13
SKF.24U	(2)F28T5	23.375 x 47.875 x 8.0625	9.5	0.55	0.23
Dimmable Fixtures -- Voltage Dependent					
SKF.22UD	(2)F14T5	23.375 x 23.375 x 8.0625	5.9	0.28	0.13
SKF.24UD	(2)F28T5	23.375 x 47.875 x 8.0625	9.5	0.56	0.25

For Dimmable Systems:

To wire the dimmable lighting system, refer to the wiring diagrams supplied by the manufacturer and included with the 3-wire fluorescent dimmer switch. Installer must use a line voltage dimmer switch which is compatible with the ballast.

IMPORTANT: Dimmer switch provided is voltage specific – 120V for 100 series voltages, 277V for 200 series voltages.

Step 5: Install the Elevator

Insert the elevator diagonally up through a 2' x 2' or 2' x 4' grid opening with the wide edge of the elevator face down. (Insertion is similar to inserting a standard acoustic ceiling tile.)

Slip one side of the elevator under an end cap of the light-box and rest it on the horizontal flange of the grid. See Step 3, Figure 1. Then carefully but firmly press the opposite side of the elevator down into the opening until the elevator snaps in under the other end cap and all four sides rest on the horizontal flange of the grid.

Step 6: Install the Luminous SkyTiles

Install the Luminous SkyTiles as per The Sky Factory "How To Install Luminous SkyTiles." Determine the placement of the tiles by using the **Luminous SkyTile Layout Diagram**. Insert the tile diagonally through the opening into the plenum area above the grid, as with any normal acoustic tile. Then rotate it into position and lower it onto the elevator so the edges of the tile fit onto the shelf of the elevator.

Important Note: The Luminous SkyTile Layout Diagram depicts the image as though you were **looking up** at the ceiling.

For technical support please call us toll free at 866-759-3228. We want your installation to go as smoothly as possible. Thank you for choosing The Sky Factory.