

## Luminous 360 LED SkyCeiling Installation Instructions

Requirements: Bulkhead must be built exactly to The Sky Factory specifications and the lighting system must be installed on the ceiling deck and tested. Means to attach suspended ceiling hanging wires to the deck must be planned out in advance. It is recommended that a professional suspended ceiling installer install the ceiling.

Follow these five steps to install the Luminous 360 SkyCeiling:

### Step 1: Install the Perimeter

Attach the Curved Perimeter Angle to the bulkhead as per The Sky Factory “Installation Guide for the Luminous 360 Perimeter Angle”. Care should be taken to raise the curved perimeter angle without kinking the sections or scratching the bottom face. Install the perimeter angle so the horizontal leg is level or rising slightly toward the center of the SkyCeiling. This will help ensure a tight fit between the perimeter angle and the grid and elevators. Shims should be used to back all attachment points and maintain the precise radius of the circle. The gap that remains between the perimeter angle and the bulkhead should be caulked later, or covered with a flexible molding. **Important: The perimeter angle is a trim system. It is not designed to support the weight of the grid. All runners (and all spanners over 24 inches) should be suspended by wires as per applicable building codes.**

## Step 2: Install the Grid

Install the Suspended Ceiling Grid, referring to the attached Grid Plan G1 for the main runner and spanner layout. Install the main runners first. Install the spanners next, starting with column A. Install all the spanners in one column before moving to the next column. Attach the main runners and the cut spanners to the perimeter angle using the enclosed aluminum **Angle Connectors**. Rivet or bolt the connector to the end of the grid and then screw the connector through the perimeter angle and into the bulkhead. See attached Detail D1. Rivets are enclosed. Adjust the angle of the connector as needed to align it with the angle in which the main runner meets the perimeter angle. Attach grid to deck, using 12-gauge wire, at a minimum of 4' centers, with first wire within 8" to wall.

## Step 3: Install the Lighting System

The Lighting System must be installed as per The Sky Factory "Luminous SkyCeiling LED Lighting Installation Instructions" before proceeding to Step 4. This will prevent potential damage to the elevators once it is installed.

## Step 4: Install the Elevators

Install the Elevators referring to Grid Plan G1 for the proper locations. The enclosed Foam Backer Rod installs **behind** the perimeter elevators between the elevator and the curved perimeter angle. See Detail D1. The backer rod ensures against light leaks and provides backing for the elevators.

Install the enclosed **Hold Down** clips as needed to hold perimeter elevators tight to the grid. See Detail D1. One hold-down clip is installed on each end of the curved sides of the perimeter elevators. The hold-down clips can be bent by hand to fit the spacing needs of the installation. To install, insert the end of the clip that has no hole into the lower back channel of the elevator. Then, while holding the clip and elevator down to the perimeter grid, attach the top end of the clip to the plenum wall with a pan head screw.

Use the enclosed **Elevator Wedges** to make small adjustments to the fit of the elevators within the grid. See Detail D2. The inside face of the elevators should ideally sit 1/32 inch back of the leading edge of the grid and 1/32 inch to 1/16 inch back of the leading edge of the curved perimeter angle.

### **Step 5: 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. The attached Grid Plan G1 depicts the ceiling as though you were **looking down** at the ceiling from the deck above ("Reflected Ceiling Plan" or RCP).

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.