

## Custom T5 Lighting Installation Instructions

### T5 Single Lamp Fixture Dimmable and Non-Dimmable Lighting Systems

See Lighting Plan **LI1** for the layout of the Single Lamp Fixtures.  
See Specifications Chart on page 3 for fixture sizes, weights and amperages.

#### Step 1: Attaching the Fixtures to the Plenum Ceiling

Each fixture comes pre-assembled. 2' (60mm) Single Lamp Fixtures have two mounting-hole locations, one on each end. All other sizes have three mounting-hole locations.

Remove the covers and attach the fixture base to the plenum ceiling following the layout in Lighting Plan **LI1**.

#### Step 2: Wiring the Fixtures

##### Wiring the non-dimmable systems:

Verify the voltage you will be using is compatible with the ballast in the fixture. The ballast will either be:

- Lutron: 120 - 277V AC (auto-ranging), or
- Helvar: 220/240V AC

Run the building's power, neutral and ground wires through a box connector inserted in one of the knockouts on the end of the base. Connect the power and neutral wires to the ballast wire leads in the fixture – black to black and white to white – using wire nuts or other code compliant connectors; connect the green ground wire lead to the green earth ground screw on the floor of the base.

## Wiring the dimmable systems:

Verify the dimmer control supplied matches the input voltage and ballast type. It will be one of three types:

- Lutron NTF-10-WH (100 - 120V AC input Lutron ballasts)
- Lutron NTF-10-277-WH (277V AC input Lutron ballasts)
- Helvar TK4-1-10V (220-240V AC input Helvar ballasts)

Note: Installer must use a dimmer control which is compatible with the ballast for the dimming function to work.

## Step 4: Installing the Lamp

Once the fixtures have been attached to the ceiling and the wiring has been connected, reattach the cover, being careful not to pinch the wires or over-tighten the pan head screws.

Install the T5 lamp. Insert lamp into lamp holders with lamp pins in line with slot in lamp holder. With both ends inserted into the lamp holders, turn lamp one quarter turn to lock in place.

Test the lighting before continuing with the SkyCeiling installation.

**For technical support** at any time during the installation, 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.

Specifications for T5 Single Lamp Fixtures					
Lamp Type (Qty 1)	Dimensions WxLxH	Weight	Input Current (Max)		
			120V 50/60 Hz	277V 50/60Hz	240V 50/60Hz
<b>Non-Dimmable Fixtures</b>					
F14T5	1.65 x 23.15 x 1.29 inches	2.4 lb	0.16	0.07	0.18
	41.9 x 587.9 x 32.6 mm	0.908 kg	—	—	
F28T5	1.65 x 46.74 x 1.29 inches	3.92 lb	0.28	0.12	
	41.9 x 1187.2 x 32.6 mm	1.598 kg	—	—	
F35T5	1.65 x 58.59 x 1.29 inches	5.13 lb	0.34	0.15	
	41.9 x 1488.0 x 32.6 mm	2.056 kg	—	—	
<b>Dimmable Fixtures</b>					
F14T5	1.65 x 23.15 x 1.29 inches	2.6 lb	0.16	0.07	—
	41.9 x 587.9 x 32.6 mm	0.998 kg	—	—	0.07
F28T5	1.65 x 46.74 x 1.29 inches	4.12 lb	0.27	0.12	—
	41.9 x 1187.2 x 32.6 mm	1.598 kg	—	—	0.15
F35T5	1.65 x 58.59 x 1.29 inches	5.13 lb	0.35	0.15	—
	41.9 x 1488.0 x 32.6 mm	2.056 kg	—	—	0.18