



## Custom T5 Lighting Installation Instructions

### For 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 4 for fixture sizes, weights and amperages.

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.

*Electrical work must be performed by a qualified electrician who is familiar with DC lighting systems and must conform to all local and national codes.*

### Step 1: Attaching the fixtures to the plenum ceiling

Each fixture comes pre-assembled:

- 2' (61cm) single lamp fixtures have two mounting-hole locations, one on each end.
- 4' (122cm) single lamp fixtures 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:

- Phillips: 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 two types:

- Leviton Renoir II 0-10V (120-277V AC input Phillips ballasts)
- Helvar TK4-1-10V (220-240V AC input Helvar ballasts)

Wire the dimmable lighting system referring to both:

- the wiring diagram on the ballast and
- the wiring diagram included with the dimmer switch.

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

### Step 3: Installing the lamps:

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

Installing a 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.

### T5 Single Lamp Fixture Lighting System Specifications:

No. of Lamps	Dimensions WxLxH	Weight	Input Current (Max)		
			120V 50/60 Hz	277V 50/60Hz	220-240V 50/60Hz
Non-Dimmable Fixtures					
(1)F14T5	1.65 x 23.15 x 1.29 inches	2.4 lb	0.14	0.07	
(1)F14T5	41.9 x 587.9 x 32.6 mm	0.908 kg			0.08
(1)F28T5	1.65 x 46.74 x 1.29 inches	3.92 lb	0.27	0.12	
(1)F28T5	41.9 x 1187.2 x 32.6 mm	1.598 kg			0.18
Dimmable Fixtures					
(1)F14T5	1.65 x 23.15 x 1.29 inches	2.6 lb	0.15	0.07	
(1)F14T5	41.9 x 587.9 x 32.6 mm	0.998 kg			0.08
(1)F28T5	1.65 x 46.74 x 1.29 inches	4.12 lb	0.28	0.12	
(1)F28T5	41.9 x 1187.2 x 32.6 mm	1.598 kg			0.18