

# Temperature Control of 5000-EC UVCS Lamps When Using 400W Bulbs

Temperature control of the 5000-EC UVCS Reflector results in improved Bulb (400W, PN 38560) performance. Testing performed at Dymax shows that ideal Reflector temperature should be maintained between 115°F and 145°F. The instructions that follow show how to achieve these conditions.

**NOTE:** New production 5000-EC UVCS Reflectors are shipped with one Temperature Control Plate and a Temperature Indicating Strip installed. The following instructions show how these plates are installed.

1. Remove the top cover from the 5000-EC UVCS Reflector by removing the two securing screws. Unpack the two Temperature Control Plates and the Temperature Indicating Strip provided in the Temperature Control Kit.
2. Install the Temperature Indicating Strip and one Temperature Control Plate as shown in Figure 2.
3. Reinstall the Reflector Cover. Operate the Conveyor System with the Reflector(s) installed for about one hour to allow temperatures to stabilize. Read the temperature as indicated on the Temperature Indicating Strip. If the temperature is between 115°F and 145°F, optimum conditions have been achieved.
4. If the Reflector temperature is below 115°F, remove the Reflector Cover and install the second Temperature Control Plate. If the Reflector temperature is above 145°F, remove the Reflector Cover and remove the Temperature Control Plate.



Figure 1. 5000-EC with Cover Removed & Temperature Control Kit



Figure 2. One Temperature Control Plate Installed



Figure 3. 5000-EC with Cover



Figure 4. Two Temperature Control Plates Installed

**NOTE:** In some installations, temperatures between 115°F and 145°F may not be possible. Contact Dymax Applications Engineering for further solutions.

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