



## UV GRID LAMPS

Mercury Grid Lamps are photochemical lamps with tubing bent back and forth to form several parallel "bars". They are designed for applications where shortwave UV energy is needed. Ideal for curing epoxies, removing trace amounts of organic contaminants, electronic component cleaning, ozone generators, erasing Eproms and other scientific and environmental uses. The advantages of Mercury Grid Lamps are:

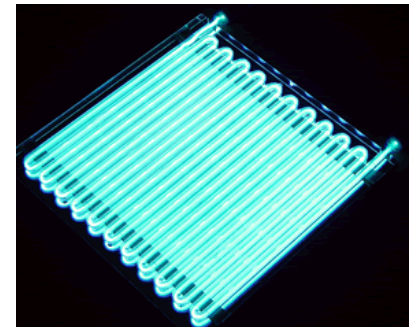
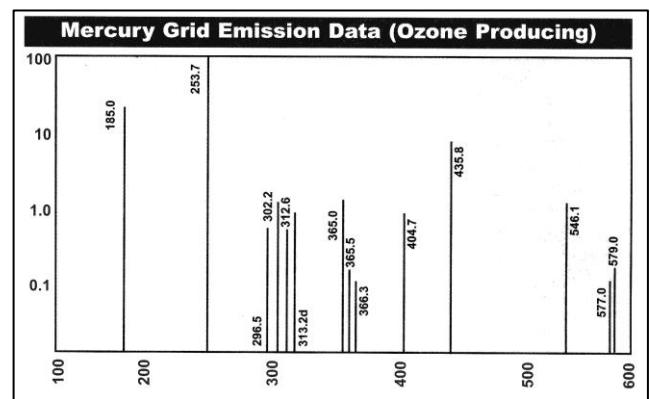
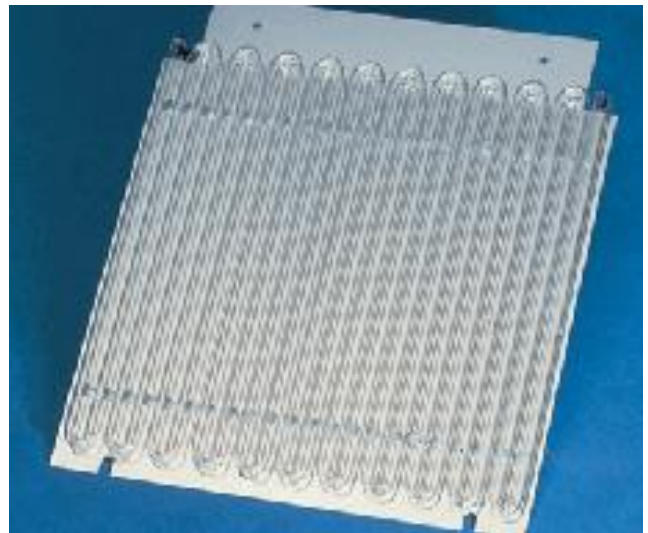
(1) Concentration of the energy into the specific area required (these lamps may be rectangular or square); (2) Strong, even illumination without hot spots; (3) May be held at any distance from reacting surface with little interference from heat. Mercury Grid Lamp is a 10" square, flat grid lamp formed of 9 mm tubing and mounted in a protective housing with an alzac reflector. The total output of 254nm UV emitted is approximately 20W.

### Applications

- Curing epoxies
- Electronic component cleaning
- Erasing Eproms
- Other scientific and environmental uses
- Ozone generators
- Removing trace amounts of organic contaminants

### Main Features

- Manufactured with standard or ozone free quartz materials, grid lamps provide excellent irradiance uniformity over the entire grid area
- Custom reflectors and configurations are available
- The intensity at 254nm wavelength is from 14 to 20+ milliwatts/cm<sup>2</sup> at 1 inch using the recommended power supply
- Grids are available for flat panel display applications
- Soft glass phosphored at 445nm



Dimensions	Standard/ 90° Bend	Standard/ Straight	Ozone Free/ 90° Bend	Ozone Free/ Straight
2W" x 6L" (51 x 152mm)	0008-02	0007-01	0007-02	0008-01
3W" x 6L" (76 x 152mm)	0047-02	0074-02	0047-01	0074-01
4W" x 8L" (102 x 203mm)	0048-02	0041-02	0048-01	0041-01
5W" x 8L" (127 x 203mm)	0046-02	0049-02	0046-01	0049-01
8W" x 8L" (203 x 203mm)	0050-02	0051-02	0050-01	0051-01
10W" x 10L" (254 x 254mm)	0017-01	0017-04	0017-03	0017-02
12W" x 12L" (305 x 305mm)	0059-02	0060-02	0059-01	0060-01

NOTE: A specially designed Power Supply is required for operation of lamp.