

Ozone Lamps

LightSources, Inc. and LightTech Lamp Technology Ltd. offer ozone lamps which are made of high quality quartz glass. The type of fused quartz used to make the bulb, or envelope, of a germicidal lamp determines the wavelengths of ultraviolet (UV) emissions that react with the oxygen in the air to produce ozone. Ozone is an extremely active oxidizer. It destroys microorganisms on contact and also acts as a deodorizer. One of the primary advantages of ozone is that it can be carried by air into places that UV radiation cannot directly reach.



We offer our clients Very High (VH) germicidal lamps which generate energy at 185 nanometers (nm) in addition to the Low (L) 254 nm line. VH lamps are made with clear fused quartz and L lamps are made with a specially doped fused quartz that prohibits the emission of energy at 185 nm. VH lamps are used in a variety of

settings including the treatment of air, pool, and spa water. The process of Total Organic Compound (T.O.C.) reduction also utilizes VH lamps. These lamps are also commonly used in the heating ventilation and air conditioning (HVAC) industry.

LightSources and LightTech can custom design and manufacture lamps which can produce various amounts of ozone to meet specific application requirements. For applications in which a moderate amount of ozone may be required, we can splice the two types of quartz together in a ratio to produce the desired amount of ozone.

Our ozone lamps provide the following benefits:

- **EXCLUSIVE USE OF TOP QUALITY QUARTZ GLASS**
- **OXIDATION AND DEODORIZATION**
- **A WIDE RANGE OF APPLICATIONS INCLUDING AIR AND WATER TREATMENT**
- **CUSTOMIZED, PROPRIETARY DESIGN OPTIONS**

The LightSources/ LightTech Difference

The combined strengths of LightSources in the United States and LightTech in Europe make our companies global leaders in the germicidal lamp industry. We provide our clients in the original equipment manufacturer (OEM) market with standard and customized lamps. In addition to offering all standard lamp sizes, LightSources and LightTech can custom design, engineer, and manufacture the ideal lamps to suit our clients' unique needs. This enables our clients to maintain replacement sales within the OEM market, an often untapped source of tremendous revenue and repeat business.

Our customized, proprietary lamps are unique to the germicidal lamp industry and one of the many reasons that clients have described LightSources and LightTech as companies where customer commitment is second to none. Whatever your needs are in terms of germicidal lamps, LightSources and LightTech have the solution.

