

**THE LiFi® LAMP
HIGH EFFICIENCY HIGH BRIGHTNESS LIGHT
EMITTING PLASMA WITH LONG LIFE AND
EXCELLENT COLOR QUALITY**

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The LiFi® lamp utilizes a unique technology which directly delivers high frequency power to a light emitting plasma without the need for electrodes. A dielectric waveguide generates an electromagnetic field within a resonant cavity which efficiently couples power to the high temperature plasma.

Inherent advantages of this approach include high luminous efficacy of the emitter – in the range of 150 lumens per watt or greater as well as high brightness and excellent color quality. The structure is mechanically robust without typical degradation and failure mechanisms associated with tungsten electrodes and glass to metal seals, resulting in useful lamp life of 30,000+ hours. In addition, the unique combination of high temperature plasma and digitally controlled solid state electronics results in an economically produced family of lamps scalable in packages from 3,000 to over 100,000 lumens.