

03 Effects of input wattage on Xenon Lamp Life

Xenon lamps are designed to perform optimally at their rated wattage; lower operating wattages produce lower luminance. On the other hand, electrode depletion can be slowed by lowering the lamp wattage to reduce electrode temperature. Consequently, by adjusting lamp wattage to provide only the required brightness, lamp life can be increased.

However, each lamp has its own usable range of wattage. If the wattage is too low, arc stability cannot be maintained, so adjustment of the lamp wattage is required to keep the lamp within its specified operational range.

