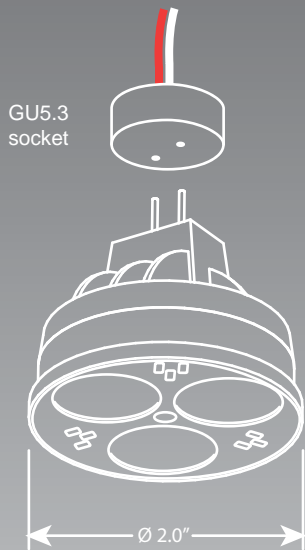


Efficient-Tec International presents the 330 lumen

Q-LAMP[®]

The Worlds Most Powerful LED MR16 Lamp at

110 Lumens per Watt!



The **Q-LAMP** is a low voltage lamp equipped with 3 LEDs (1 watt each). The dimensions of the Q-LAMP are comparable to the traditional Ø 2.0" halogen lamp using a standard GU5.3 socket. Utilizing a new type of LED with silicon carbide technology, Q-LAMPs work with a lower voltage giving a lower heat omission and available up to [110 lumens per watt](#).

Have your choice of 3 Q-LAMP versions:

- Q-LAMP10[®] (150 lumens) equal to a 10W halogen dichroic lamp. (cool white & warm white)
- Q-LAMP20[®] (210 lumens) equal to a 20W halogen dichroic lamp. (cool white & warm white)
- Q-LAMP30[®] (330 lumens) equal to a 30W halogen dichroic lamp. (cool white only)

All three versions have the same power consumption of 3.6 watts. The warm white color has a lower light output, approximately 50% less.

Q-LAMPs work best with a constant voltage of 12V-24V DC. We suggest ETIs PDV24 and MD50 electronic drivers for optimal results. The lamps can be dimmed with PWM drivers from 0% - 100%.

Q-LAMPs will operate with an existing magnetic 12V AC 60mhz transformer but expect a light output of approximately 20% less that with the recommended ETI driver.

NOTE: Q-LAMPs can be dimmed with an appropriate dimmer and driver. Some combinations can severely diminish effectiveness. Due to the Q-LAMPs extremely low power consumption, lamps may not dim correctly if below the dimmers minimum load. Always check the minimum operating load of your dimmer.

