

Power requirements for TOURATECH Xenon (HID) lamps.

Steady-state power: 50 watts
Fuse size: 10 Amps



The TOURATECH Xenon (HID) lamps provide more than DOUBLE the light of incandescent lighting (such as Halogen) using LESS watts. In addition, the color-temperature is similar to daylight, which is easy on the eyes, and reduces fatigue .

It is important to note that while the 'bulb' is rated at "35w", the ballast system uses some power too, but a fuse size must be chosen that will accommodate startup. The ballast produces at about 20,000 volts to maintain the plasma arc inside the HID bulb. In order to create this plasma, a lot more power is used for a few seconds at startup. The first 1/2 second requires about 200W! But it drops off quickly as the bulb comes up to temperature. Within 25 seconds, the system reaches its steady state usage of 50 watts (and 4 amps) draw. When computing your power requirements for adding this lamp, use the steady-state draw of 50 watts. Its a very efficient system that provides maximum light with minimal motorcycle power draw.

We have found that a 7.5A fuse can survive the startup, and operate one HiD lamp but it's barely sufficient thus we recommend using a 10A fuse for troublefree and safe operation.

This test was performed with engine off (12.5v). With engine on (13.5v) the amps rating will be approximately 10% lower.

