

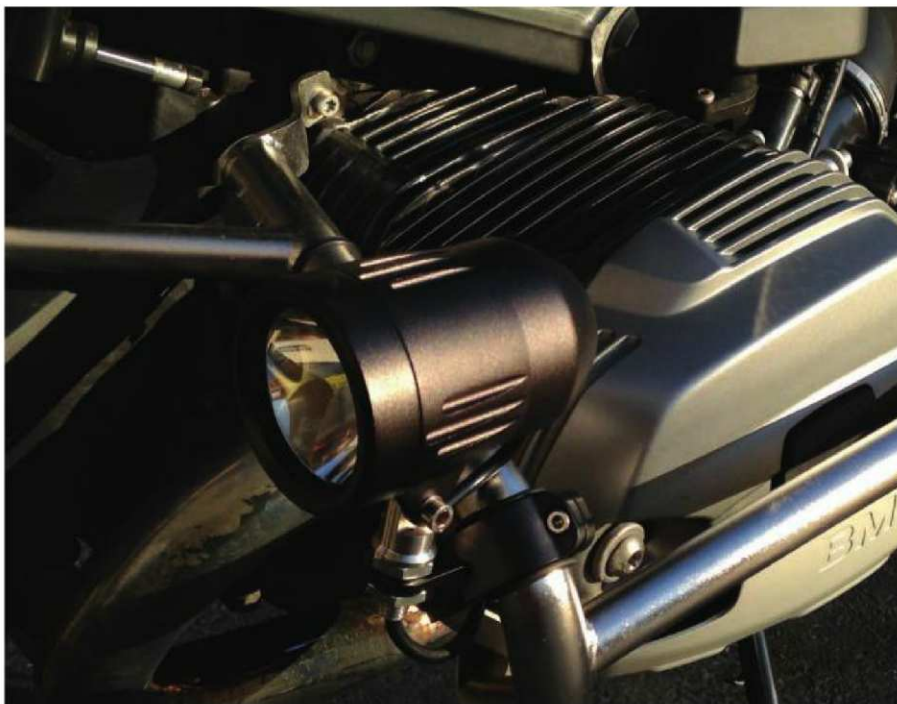
Trail Tech Equinox Billet LED Lights

By Moshe K. Levy #108259

TRAIL TECH'S NEW BILLET LED SPOT-lights are a mid-priced foray into the benefits of LED lighting for riders who desire an upgrade in nighttime visibility or an increase in daytime conspicuity. Available in 60, 70 and 75mm sizes with a variety of mounting configurations, we tested the 60mm post-mounted variant on our 2013 R1200R test mule, which is equipped with OEM GS-style engine guards. Naturally, any BMW with a 7/8-1" frame tube can accommodate these lights as shown.

The kit arrived containing a pair of the 60mm lights, which are constructed of billet aluminum in a universal black finish, with front lenses made of hardened glass. Each light housing itself measures ~2.4" high x 3.2" deep, and weighs ~0.75 pounds. A simple wiring harness is included, along with a handlebar-mounted rocker switch for on/off actuation. Nicely finished black aluminum clamps are also included, with appropriate spacers, to allow mounting of the lights via solid post. The clamps are quite solid and allowed a wide degree of adjustment from multiple angles, so finding a suitable location on a motorcycle should not be an issue. Likewise, installation via the included harness is simple and straightforward. Figure 1 shows our final mounting position on the outer engine guard of the R1200R. Naturally, ADV bikes with more elaborate guards will have many more mounting locations to choose from.

Each light has an inconspicuous push-button switch on the rear of the housing, allowing selection between three brightness modes: Low (3 watts,) medium (6 watts,) and high (10 watts.) In "high" mode, each light generates a claimed 1,050 lumens of a whitish 6,000K color beam in a 10 degree spot pattern. Depending on where the lights are mounted, the rider may be able to change settings on the fly for different



scenarios, such as lighting up the right side of the road on "high" while keeping the left side on "low" to avoid dazzling oncoming traffic.

As dedicated spots, we found them most useful as supplements to the R1200R's single headlight, and aimed them to each side of the stock beam. Once properly adjusted, we recorded a realistic reach of approximately 225 feet in "high" mode, which is quite useful, especially in dark off-road situations. Figures 2 and 3 illustrate such an example, showing the stock headlight alone and then with the addition of the 60mm LED lights, respectively. Obviously, there is a significant difference there. We ran these lights for over a month in all types of weather, and they held up well – no leaks or failures to speak of.

With an expected minimum lifespan of



5,000 hours and a very low power draw, these LEDs represent a good value for riders who seek a versatile light kit for either on or off road applications. The US-made Trail Tech 60mm kit #C112-SS-01 we tested carries an MSRP of \$239.95 and a one year warranty. For more information, visit trailtech.net. ☺