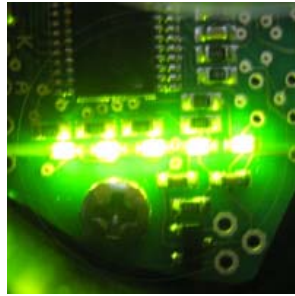
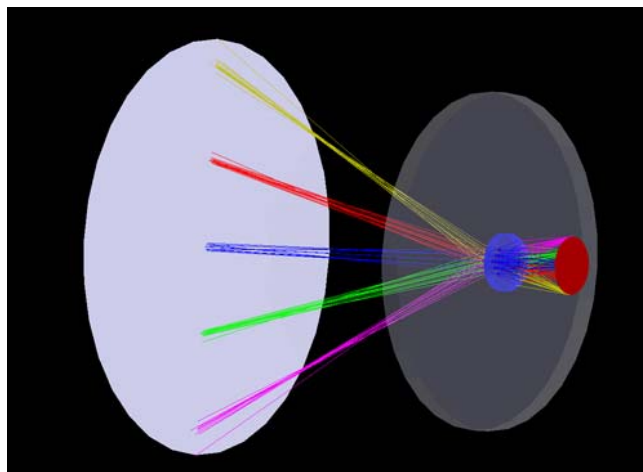


Projector option



Our lamp head has an LED bar, which mostly displays battery charge status. This is quite practical, as you always know how much energy is left in the battery. However, you can't see it when you wear your helmet together with your lamp. Of course you can take off your helmet, but there is a better way...



We add a lens to the lamp head, which projects the led bar to your hand (if you hold it in front of the lamp) or a nearby wall.



Using an optics design software, we designed the optimal lens and layout for this operation:

The five LEDs are projected using a plano-convex lens to the image surface (your hand for example). Of course this is no photographic quality objective, but sufficient to see the remaining power of your battery. There was no experimenting with this design, it was designed, built and worked at the first try. Image quality is actually so good that you can see the bond wires of the LEDs...

This of course only works in relative darkness, the green LEDs are not too bright and in daylight conditions, you can't see the projected image.

This feature will be available as an option - please tell us when ordering your lamp.