Osram Opto Semiconductor say LED media projectors are now 100 times brighter than they were a decade ago. Osram's new Ostar Projection Power LED allows ordinary office projectors to boast luminous intensities of between 2500 and 3500 lm with LEDs as the only light source.

One red, one green and one blue Osram Ostar Projection Power LED are used as the light sources in a projector. These monochrome LEDs each consist of six chips with an area of 2 mm², and they are operated in parallel. Osram developers are using a new type of connection between the chip and the heat sink, which results in a small thermal resistance (Rth) of <0.5 kW. Heat can therefore be dissipated better and the system can be operated up to its maximum output limit. The heat sinks can also be made smaller which, in turn, leads to a more compact design for the projectors. While vehicle headlamps don't presently use RGB like media projectors, the lighting tasks share enough similarities to make it worth keeping eyes on developments and innovations not directly applicable (yet?) to vehicle headlamps.