

Ideal Light Distribution

Look at light distribution on a road surface as well as light distribution on a wall to find out which headlight performs best.

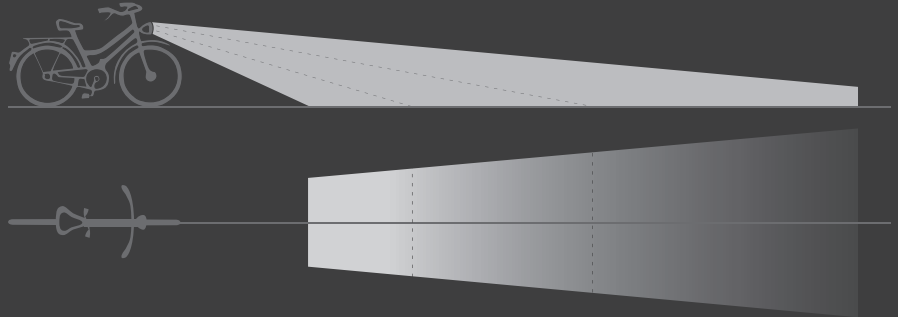
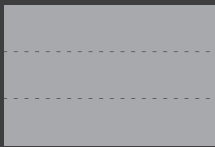
An even light distribution on the road is vital. To achieve this the headlight must be extremely bright at the top edge of its wall projection.

Some headlights do not project much of their light to the far end of the road. This is why cyclists move the light upwards and dazzle oncoming traffic.

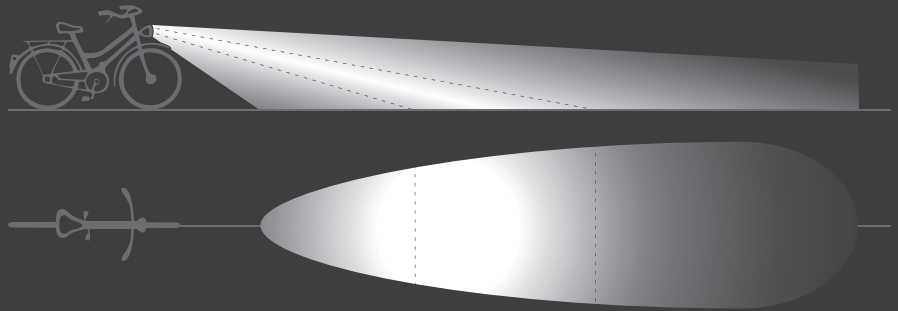
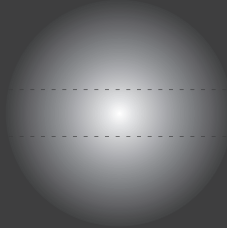
Wall Projection

Road Projection

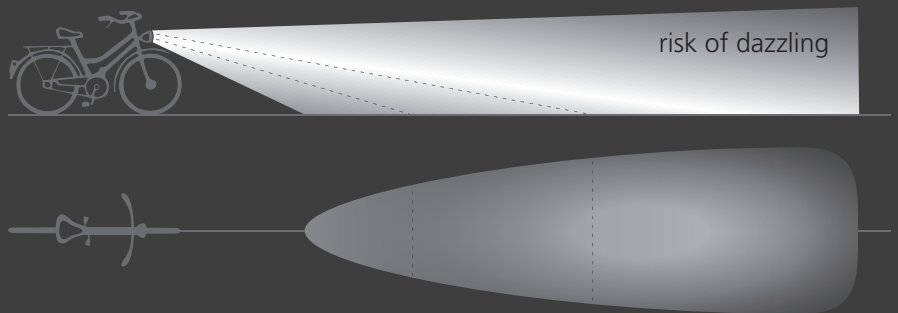
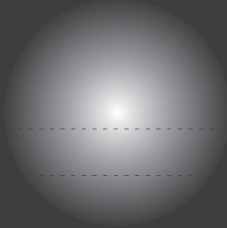
1. Even light distribution on wall



2. Rotationally symmetric light distribution



3. Rotationally symmetric light distribution, light adjusted highly



4. Well-layered light distribution

