

WAC 204-21-030 General lighting requirements. (1) All lighting equipment must be mounted:

(a) Securely on a rigid part of the vehicle to prevent noticeable vibration of the beam.

(b) At the height prescribed as measured from the center of the lamp or reflector to the level surface upon which the vehicle stands when it is without load.

(c) In accordance with orientation markings such as "top" if such markings exist.

(d) Installed with the lettering on the lens face right side up if the lamp has a sealed or semisealed optical unit.

(e) At the same angle as originally intended for the vehicle for which they were designed, unless the lamps are designed for a particular make of vehicle and installed on another vehicle, then the lamp does not need to be mounted at the same height or lateral spacing as the original vehicle so long as the height and lateral spacing comply with the requirements outlined in 49 C.F.R. Part 571.108 (FMVSS 108), chapter 46.37 RCW, and this title.

(f) Maintained with the proper aim when the vehicle is stationary and in motion.

(2) All lighting equipment must be aimed so the center of the beam produced by the major filament is parallel to the road and projects directly to the front, side, or rear, depending on mounting location, unless otherwise outlined in 49 C.F.R. Part 571.108 (FMVSS 108), chapter 46.37 RCW, or this title. The lamps must be aimed with only the driver in the vehicle, except that lamps on vehicles which normally carry a load should be aimed with the vehicle so loaded. Enforcement agencies that inspect vehicles may establish aiming tolerances to allow for variations in inspection procedures and in vehicle loading.

(a) If the road lighting device is visually aimed, it must be aimed as specified in the following sections of this rule on a vertical aiming screen at a distance of twenty-five feet from the front of the lens surface or with an optical aimer meeting SAE J600a (March 1965) with the aiming line on the screen adjusted to the level of the surface upon which the vehicle stands or with an optical aimer designed to aim headlamps complying with Canadian Standards Association Regulation D106.2.

(b) If the road lighting device is mechanically aimed, it must be set at 0-0 with a mechanical aimer meeting SAE J602c (December 1974).

[Statutory Authority: RCW 46.37.005 and 46.37.320. WSR 08-19-104, § 204-21-030, filed 9/17/08, effective 10/18/08.]