



5 Facts to know about Reverse Lamps

What is a reversing lamp?

Reversing lamp is the lamp of the vehicle designed to illuminate the road to the rear of the vehicle and to warn other road users that the vehicle is reversing or is about to reverse.

These lamps are governed by some performance qualities. The intensity of light emitted has a minimum of 80 candelas along the axis of reference and cannot exceed 300 candelas at or above the horizontal plane, or 600 candelas below the horizontal plane, and the colour of the light must be white.

The ADR that specifies the lighting performance requirements is ADR 01/00. The Standard uses the definition within the ECE 23 Regulation. ADR 13/00 specifies the installation and position of the approved ADR 01/00 or ECE 23 lamp. This standard specifies the Mandatory and Optional Requirements based on Category of Vehicles and overall length of a vehicle.

Visibility of Light

The light being emitted when used must be visible at a:

- minimum of 15° upwards and 5° downwards from the horizontal plane
- minimum of 45° to the right and left if a single lamp is required, if mandatory requirements specify 2 lamps a minimum of 45° outwards and 30° inwards from the vertical plane.

The 2 optional lamps can be fitted to the side of the vehicle if desired. However, the angle of the lamp cannot exceed 15° relative to the medium plane of the vehicle and can be positioned downwards with no mandatory angle prescribed.

Position of Lamps

No requirement with width position. Lamps must be installed in a position of no less than 250mm and no more than 1200mm from the ground, and for the mandatory number of lamps be positioned at the rear of the vehicle.

Number of Lamps

All Trailer Categories TA, TB, TC, & TD, trailer reverse lamps are optional only and are not mandatory.

All Category MA - Passenger Cars require a minimum of one reverse lamp to be fitted and the option of a secondary lamp.

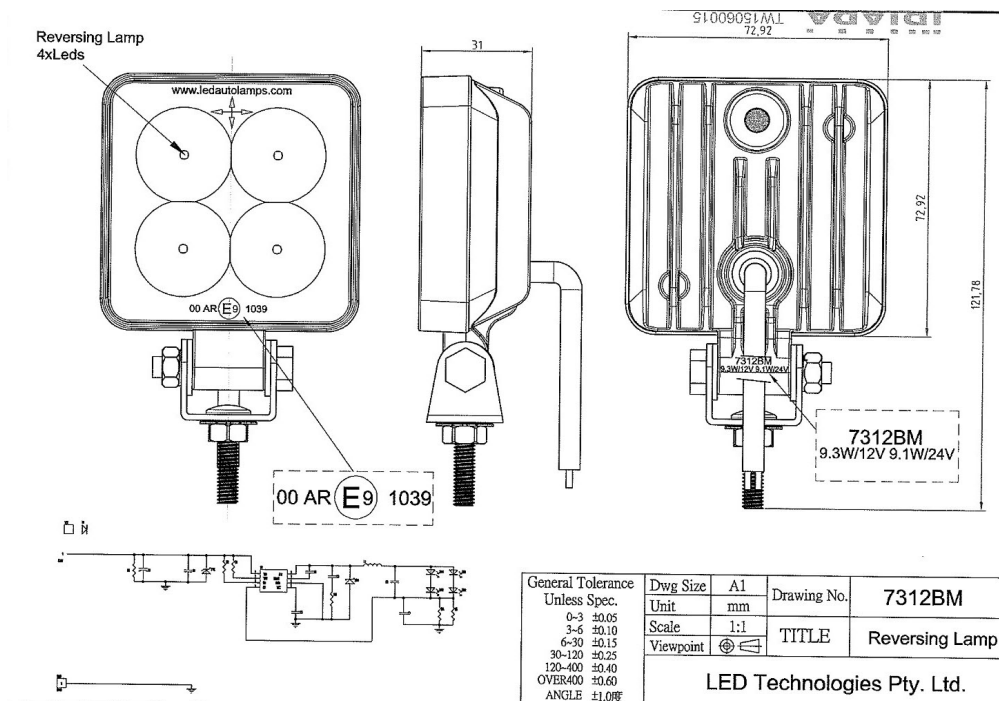
All Vehicle Categories less than the total length of 6000mm require one mandatory lamp and option of a secondary lamp.

Search or Work lamps

Additional lights to be used for temporary purposes such as handling loads or providing additional illumination in off-road situations may be fitted to a vehicle in any location. However, a driver must not use or allow to use any lamp that can or is likely to dazzle another road user.

Work Lamps are intended to provide maximum light output in both wide flood beams and long range spreader beams for illuminating work areas. In most case, the light from these types of lamps exceed the maximum light output requirements for on-road use. Therefore, these types of lamps are general not ADR or ECE approved for uses as Reversing Lamps. However, there are some exemptions. Below is one such example of an L.E.D Work lamp style lamp which is ECE approved as a compliant Reversing Lamp that meets ADR 01/00 requirements.

Below is one such example of an L.E.D Work lamp style lamp which is ECE approved as a compliant Reversing Lamp that meets ADR 01/00 requirements.



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