

## Vehicle Standards Instruction (General 20.1)

### Front Fog Lamps and Daytime Running Lamps

Released May 2014



The Department of Transport and Main Roads (TMR) has recently dealt with a number of issues relating to the fitment of front fog lamps and daytime running lamps. There appears to be some confusion around the definition of these lighting systems and how they should be fitted to the vehicle.

To avoid confusion the following information has been provided to help ensure the fitment of front fog lights and/or daytime running lights complies with the *Transport Operations (Road Use Management – Vehicle Standards and Safety) Regulation 2010* and the Australian Design Rule (ADR).

Requirement	Front Fog Lamp	Daytime Running Lamps
<b>Definition</b>	Front fog lamps are provided to improve the illumination of the road ahead of the vehicle during fog or other poor visibility conditions such as snowfall, heavy rain or dust clouds.	Daytime running lamps are designed to increase the frontal visibility of the vehicle to other road users in daylight conditions.
<b>Colour</b>	White or yellow	White
<b>Number</b>	2	2
<b>Position – width</b>	Outer edges of the lamps shall not be more than 400 mm from the extreme outer edge of the vehicle.	Outer edges of the lamps shall not be more than 400 mm from the extreme outer edge of the vehicle.  Additionally, the distance between the inner edges of the lamps shall not be less than 600 mm apart.  This distance may be reduced to 400 mm where the overall width of the vehicle is less than 1,300 mm.
<b>Position – height</b>	Lamps must be at least 250 mm above the ground but not more than:  For passenger vehicle, forward control vehicle, Off-Road passenger vehicles and light commercial vehicles — 800 mm.  For medium goods category vehicles and all heavy vehicles* — 1200 mm  *For light commercial vehicles with off-road capabilities the maximum height may be increased to 1,500mm.	Lamps must be at least 250mm above the ground but not more than 1,500 mm.

Requirement	Front Fog Lamp	Daytime Running Lamps
<b>Tell tale</b>	An independent non-flashing warning light visible to the driver must be fitted.	Not required.
<b>Electrical</b>	It must be possible to switch the front fog lamps ON and OFF independently of the main-beam headlamps, the dipped-beam headlamps.	<p>The daytime running lamps shall be switched ON automatically when the vehicle's engine starts.</p> <p>The daytime running lamp shall switch OFF automatically when the front fog lamps or headlamps are switched ON.</p>
<b>Orientation</b>	Towards the front.	Towards the front.
<b>Light intensity</b>	2,000 lumen	<p>Minimum 400 lumen Maximum 800 lumen</p> <p>In the case of a daytime running lamp containing more than one light source the lamp shall comply with the minimum intensity required when any one light source has failed and when all light sources are illuminated the maximum intensity shall not be exceeded.</p>
<b>Geometric Visibility</b>	5° upwards and downwards, 45° outwards and 10° inwards.	10° upwards and downwards and 20° outwards and inwards

### Additional information

#### Transport Operations (Road Use Management—Vehicle Standards and Safety) Regulation 2010

<http://www.legislation.qld.gov.au/LEGISLTN/CURRENT/T/TrantOpRUVSSR10.pdf>

#### Australian Design Rule 13/00 Installation of Lighting and Light Signalling Devices on other than L-Group Vehicles

<http://www.comlaw.gov.au/Series/F2005L03991>