



Vehicle Standard (Australian Design Rule 67/00 – Installation of Lighting and Light Signalling Devices on Three-Wheeled Vehicles) 2006

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1. LEGISLATIVE PROVISIONS

1.1. NAME OF STANDARD

1.1.1. This Standard is the Vehicle Standard (Australian Design Rule 67/00 – Installation of Lighting and Light Signalling Devices on Three-Wheeled Vehicles) 2006.

1.1.2. This Standard may also be cited as Australian Design Rule 67/00 – Installation of Lighting and Light Signalling Devices on Three-Wheeled Vehicles.

2. FUNCTION

2.1. The function of this Australian Design Rule is to ensure that the installation of the lighting and light-signalling devices on the vehicle is such that the effective operation of these devices is not impaired.

3. APPLICABILITY AND IMPLEMENTATION

3.1. This ADR applies to the design and construction of vehicles as set out in the table hereunder.

3.2. Where the fitment of a lamp is indicated as optional, this means that it is not mandatory to fit the lamp, but if fitted, the lamp(s) are required to comply with this Rule.

3.3. Vehicles certified to ADR 19/... need not comply with this rule.

3.4. Applicability Table

Vehicle Category	ADR Category Code	UN Category Code	Manufactured on or After	Acceptable Prior Rules
Moped 2 wheels	LA	L1	Not Applicable	Nil
Moped 3 wheels	LB	L2	1 July 1992	
Motor cycle	LC	L3	Not Applicable	
Motor cycle and sidecar	LD	L4	Not Applicable	
Motor tricycle	LE	L5	1 July 1992	
Passenger car	MA	M1	Not Applicable	
Forward-control passenger vehicle	MB	M1	Not Applicable	
Off-road passenger vehicle	MC	M1	Not Applicable	
Light omnibus	MD	M2	Not Applicable	
Heavy omnibus	ME	M3	Not Applicable	
Light goods vehicle	NA	N1	Not Applicable	
Medium goods vehicle	NB	N2	Not Applicable	
Heavy goods vehicle	NC	N3	Not Applicable	
Very light trailer	TA	O1	Not Applicable	
Light trailer	TB	O2	Not Applicable	
Medium trailer	TC	O3	Not Applicable	
Heavy trailer	TD	O4	Not Applicable	

* The category code may also be in the format L₁, L_A etc.

4. DEFINITIONS

- 4.1. Refer to Vehicle Standard (Australian Design Rule Definitions and Vehicle Categories) 2005.
- 4.2. ‘*Transverse Plane*’ means a vertical plane perpendicular to the median longitudinal plane of the vehicle;
- 4.3. ‘*Unladen Vehicle*’ means a vehicle without a driver, or passenger, and unladen, but with its fuel tank full and its normal complement of tools;
- 4.4. ‘*Lamp*’ means a device designed to illuminate the road or to emit a luminous signal; ‘*Rear-registration-plate Illuminating Devices*’ and reflex reflectors shall likewise be regarded as lamps;
- 4.5. ‘*Independent Lamps*’ means lamps having separate illuminating surfaces, separate light sources and separate lamp bodies;
- 4.6. ‘*Grouped Lamps*’ means devices having separate illuminating surfaces and separate light sources, but a common lamp body;

- 4.7. ‘*Combined Lamps*’ means devices having separate illuminating surfaces, but a common light source and a common lamp body;
- 4.8. ‘*Reciprocally Incorporated Lamps*’ means devices having separate light sources (or a single light source operating in different ways), but a common or partially common illuminating surface and a common lamp body;
- 4.9. ‘*Main-beam Headlamp*’ means the lamp used to illuminate the road over a long distance ahead of the vehicle (also known as a driving beam);
- 4.10. ‘*Dipped-beam Headlamp*’ means the lamp used to illuminate the road ahead of the vehicle without causing undue dazzle or discomfort to oncoming drivers and other road users (also known as a passing beam);
- 4.11. ‘*Direction Indicator Lamp*’ means the lamp used to indicate to other road-users that the driver intends to change direction to the right or to the left;
- 4.12. ‘*Stop Lamp*’ means the lamp used to indicate to other road-users to the rear of the vehicle that its driver is applying the service brake;
- 4.13. ‘*Rear-Registration-Plate Illuminating Device*’ means the device used to illuminate the space reserved for the rear-registration-plate; such a device may consist of several optical components;
- 4.14. ‘*Front Position (Side) Lamp*’ means the lamp used to indicate the presence of the vehicle when viewed from the front;
- 4.15. ‘*Rear Position (Side) Lamp*’ means the lamp used to indicate the presence of the vehicle when viewed from the rear;
- 4.16. ‘*Reflex Reflector*’ means a device used to indicate the presence of a vehicle by the reflection of light from a light source not connected with the vehicle, the observer being situated near that source; for the purpose of this Regulation the reflective number plates are not considered as reflex reflectors;
- 4.17. ‘*Vehicle Hazard Warning Signal*’ means the simultaneous operation of all of a vehicle’s direction-indicator lamps to show that the vehicle temporarily constitutes a special danger to other road users;
- 4.18. ‘*Front Fog Lamp*’ means the lamp used to improve the illumination of the road in case of fog, snowfall, rainstorms or dust clouds;
- 4.19. ‘*Rear Fog Lamp*’ means the lamp used to make the vehicle more easily visible from the rear in dense fog;
- 4.20. ‘*Reversing Lamp*’ means the lamp used to illuminate the road to the rear of the vehicle and to warn other road-users that the vehicle is reversing or about to reverse;
- 4.21. ‘*Parking Lamp*’ means a lamp which is used to draw attention to the presence of a stationary vehicle in a built-up area; in these circumstances it replaces the position (side) lamps;
- 4.22. ‘*Illuminating Surface*’ (see ADR 13/00, Appendix 1, Annex 3);
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- 4.22.1. ‘*Light Emitting Surface*’ means all or part of the exterior surface of the transparent lens that encloses the lighting or light-signalling device and allows it to emit light;
- 4.22.2. ‘*Illuminating Surface of a Lamp*’ (clauses 4.9., 4.10., 4.18. and 4.21.) means the orthogonal projection of the full aperture of the reflector in a transverse plane. If the lamp glass (or glasses) extend(s) over part only of the full aperture of the reflector, then the projection of that part only is taken into account. In the case of a passing lamp, the illuminating surface is limited on the side of the cut-off by the apparent projection of the line of the cut-off on to the lens. If the reflector and glass are adjustable, the mean adjustment should be used;
- 4.22.3. ‘*Illuminating Surface of a Light-signalling Device other than a Reflex Reflector*’ means the orthogonal projection of the lamp on a plane perpendicular to its axis of reference and in contact with the transparent outer surface of the lamp, such projection being bound by the covering of the screen edges situated in this plane, each allowing only 98 per cent of the total intensity of the light to subsist in the direction of the axis of reference; for the purposes of determining the lower, upper and lateral edges of the lamp only screens having horizontal or vertical edges shall be used;
- 4.22.4. ‘*Illuminating Surface of a Reflex Reflector*’ means the ‘*Illuminating Surface*’ of a ‘*Reflex Reflector*’ in a plane perpendicular to its axis of reference and delimited by planes contiguous to the outermost parts of the reflex reflector’s optical system and parallel to this axis; for the purposes of determining the lower, upper and lateral limits of the device only vertical and horizontal planes shall be used;
- 4.22.5. ‘*Apparent surface*’ for a defined direction of observation means the orthogonal projection of the light-emitting surface on a plane perpendicular to the direction of observation;
- 4.23. ‘*Centre of Reference*’ means the intersection of the axis of reference with the light-emitting surface; it is specified by the manufacturer of the lamp;
- 4.24. ‘*Angles of Geometric Visibility*’ means the angles which determine the minimum solid-angle zone in which the apparent surface of the lamp must be visible; this solid-angle zone is defined by the segments of the sphere of which the centre coincides with the ‘*Centre of Reference*’ of the lamp and the equator is parallel to the ground; these segments are determined in relation to the axis of reference; the horizontal angles beta correspond to the longitude and the vertical angles alpha to the latitude. There must be no obstacle on the inside of the angles of geometric visibility to the propagation of light from any part of the apparent surface of the lamp. No account is taken of obstacles existing at the time of approval, where required, of the lamp;
- 4.25. ‘*Extreme Outer Edge*’, on either side of the vehicle means the plane parallel to the median longitudinal plane of the vehicle and touching the lateral extremity of the vehicle, disregarding the projection or projections of:
- 4.25.1. rear-view mirrors;
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- 4.25.2. side ‘*Direction Indicator Lamps*’;
 - 4.25.3. ‘*Front Position (Side) Lamp*’ and ‘*Rear Position (Side) Lamp*’;
 - 4.25.4. ‘*End-outline Marker Lamps*’;
 - 4.25.5. ‘*Parking Lamps*’;
 - 4.25.6. ‘*Reflex Reflectors*’;
 - 4.25.7. tyres nearest their point of contact with the ground;
 - 4.25.8. connections for tyre-pressure gauges; and
 - 4.25.9. any anti-skid devices mounted on the wheels.
 - 4.26. ‘*Distance between two lamps which face in the same direction*’, the distance between the orthogonal projections in a plane perpendicular to the axes of reference of the outline of the two ‘*Illuminating Surfaces*’;
 - 4.27. ‘*Operating Tell-tale*’ means a light or auditory device showing that a device has been switched on and is operating correctly or not;
 - 4.28. ‘*Circuit-closed Tell-tale*’ means a light showing that a device has been switched on, but not showing whether it is operating correctly or not;
 - 4.29. ‘*Optional Lamp*’ means a lamp, the presence of which is left to the discretion of the manufacturer;
 - 4.30. ‘*Concealable Illuminating Lamp*’ means a headlamp capable of being partly or completely hidden when not in use. This result may be achieved by means of a movable cover, by movement of the headlamp, or by any other suitable means; the term “vanishing lamp” is used more particularly to describe a lamp which, by its movement, can be concealed inside the bodywork;
 - 4.31. Single and Multiple Lamps:
 - 4.31.1. A ‘*Single Lamp*’ also means any assembly of two or more lamps, whether identical or not, having the same function and emitting light of the same colour, if it comprises devices, the projection of whose aggregate ‘*Illuminating Surfaces*’ in a given transverse plane occupies 60 per cent or more of the area of the smallest rectangle circumscribing the projections of those ‘*Illuminating Surfaces*’, provided that such combination is, where approval is required, approved as a ‘*Single Lamp*’.
This possible assembly does not apply to ‘*Main-beam Headlamps*’, ‘*Dipped-beam Headlamps*’ and ‘*Front Fog Lamps*’,
 - 4.31.2. ‘*Two Lamps*’ or an even number of lamps, means a single light-emitting surface in the shape of a band or strip if:
 - 4.31.2.1. such band or strip is placed symmetrically in relation to the median longitudinal plane of the vehicle,
 - 4.31.2.2. it extends on both sides to within at least 0.4m of the ‘*Extreme Outer Edge*’ of the vehicle,
 - 4.31.2.3. it is not less than 0.8m long,
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- 4.31.2.4. the illumination of such surface shall be provided by not less than two light sources placed as close as possible to its ends;
- 4.31.2.5. the light-emitting surface may be constituted by a number of juxtaposed elements on condition that the projections of the several individual light-emitting surfaces on a transverse plane occupy not less than 60 per cent of the area of the smallest rectangle circumscribing the projections of the said individual light-emitting surfaces.
- 4.32. ‘Overall Width’ means the distance between the two vertical planes defined in clause 4.25. above.

5. REQUIREMENTS

- 5.1. Lighting and light-signalling devices shall be installed to comply with the requirements of this Rule.

6. GENERAL SPECIFICATIONS

- 6.1. The lighting and light-signalling devices shall be so fitted that in normal conditions of use, and notwithstanding the vibrations to which they may be subjected, they retain the characteristics prescribed by this Rule and enable the vehicle to comply with the requirements of this Rule. In particular, it shall not be possible for the lamps to be inadvertently maladjusted.
- 6.2. Lamps shall be so installed that correct adjustment of their orientation can easily be carried out.
- 6.3. For all light-signalling devices the ‘Reference Axis’ of the lamp when fitted to the vehicle shall be parallel to the bearing plane of the vehicle on the road; in addition, it shall be perpendicular to the median longitudinal plane of the vehicle in the case of side ‘Reflex Reflectors’ and parallel to that plane in the case of all other light-signalling devices. A tolerance of 3° shall be allowed in each direction. In addition, if specifications for fitting are provided by the manufacturer they shall be complied with.
- 6.4. In the absence of specific instructions, the height and orientation of the lamps shall be verified with the vehicle at its ‘Unladen Mass’ and placed on a flat horizontal surface, its median longitudinal plane being vertical and the handlebars being in the position corresponding to the straight ahead movement. The tyre pressures shall be those prescribed by the manufacturer for the particular conditions of loading required in this Regulation.
- 6.5. In the absence of specific instructions lamps constituting a pair and having the same function shall:
- 6.5.1. be mounted symmetrically in relation to the median longitudinal plane;
- 6.5.2. be symmetrical to one another in relation to the median longitudinal plane;
- 6.5.3. satisfy the same colorimetric requirements; and
- 6.5.4. have identical nominal photometric characteristics.

- 6.6. In the absence of specific instructions, lamps having different functions may be independent or be grouped, combined or incorporated in one device, on condition that each such lamp satisfies the requirements applicable to it.
- 6.7. The maximum height above ground shall be measured from the highest point and the minimum height from the lowest point of the '*Illuminating Surface*'. For '*Dipped-beam Headlamps*', the minimum height from the ground shall be measured from the bottom of the lens or the reflector, whichever of these is the higher.
- 6.8. The position, as regards width, will be determined from the edge of the '*Illuminating Surface*' which is the furthest from the median longitudinal plane of the vehicle when referred to the overall width, and from the inner edges of the '*Illuminating Surfaces*' when referred to the distance between the lamps.
- 6.9. In the absence of specific instructions, no lamps other than 'Direction Indicator Lamps' and the 'Vehicle Hazard Warning Signal' shall be flashing lamps.
- 6.10. No red light which could give rise to confusion emitted from a lamp shall be visible toward the front and no white light which could give rise to confusion emitted from a lamp other than from the 'Reversing Lamp' shall be visible towards the rear. Lamps used to illuminate the vehicle's interior shall not be taken into consideration in this respect.
- 6.10.1. This requirement is considered to have been met if:
- 6.10.1.1. for the visibility of a red light towards the front: there must be no direct visibility of a light-emitting surface of a red lamp if viewed by an observer moving within Zone 1 in a transverse plane situated 25 m in front of the vehicle (see clause 6.11. below),
- 6.10.1.2. for the visibility of a white light towards the rear: there must be no direct visibility of a light-emitting surface of a white lamp if viewed by an observer moving within Zone 2 in a transverse plane situated 25 m behind the vehicle (see clause 6.12. below).
- 6.11. Zone 1 explored by the eye of the observer at the front of the vehicle is bounded:
- 6.11.1. in height, by two horizontal planes 1 m and 2.2 m respectively above the ground,
- 6.11.2. in width, by two vertical planes which, forming to the front and to the rear respectively an angle of 15° outwards from the vehicle's median longitudinal plane, pass through the point or points of contact of vertical planes parallel to the vehicle's median longitudinal plane delimiting the vehicle's overall width; if there are several points of contact, the rearmost shall define the vertical planes.
- 6.12. Zone 2 explored by the eye of the observer at the rear is bounded:
- 6.12.1. in height, by two horizontal planes 1 m and 2.2 m respectively above the ground,

- 6.12.2. in width, by two vertical planes which, forming to the front and to the rear respectively an angle of 15° outwards from the vehicle's median longitudinal plane, pass through the point or points of contact of vertical planes parallel to the vehicle's median longitudinal plane delimiting the vehicle's overall width; if there are several points of contact, the foremost shall define the vertical planes.
- 6.13. The electrical connections shall be such that the '*Front Position (Side) Lamp*', the '*Rear Position (Side) Lamp*' and the '*Rear-registration-plate Illuminating Device*' can only be switched on or off simultaneously.
- 6.14. In the absence of specific instructions, the electrical connection shall be such that the '*Main-beam Headlamp*', the '*Dipped-beam Headlamp*' and the fog lamp(s) cannot be switched on unless the lamps referred to in clause 6.13. above are likewise switched on. This requirement need not, however, be satisfied in the case of the '*Main-beam Headlamp*' and '*Dipped-beam Headlamp*' where their luminous warnings consist in switching on the '*Dipped-beam Headlamp*' intermittently, at short intervals, or in switching on the '*Main-beam Headlamp*' intermittently, or in switching on the '*Dipped-beam Headlamp*' and '*Main-beam Headlamp*' alternately at short intervals.
- 6.15. Tell-tales
- 6.15.1. Every tell-tale lamp shall be readily visible to a driver in the normal driving position.
- 6.15.2. Where a '*Circuit-closed Tell-tale*' is prescribed by this Regulation, it may be replaced by an '*Operating Tell-tale*'.
- 6.16. Concealable lamps:
- 6.16.1. the concealment of lamps shall be prohibited, with the exception of the '*Main-beam Headlamps*', the '*Dipped-beam Headlamps*' and the '*Front Fog Lamps*', which may be concealed when they are not in use.
- 6.16.2. an illuminating device in the position of use shall remain in that position if the malfunction referred to in clause 6.16.3. occurs alone or in conjunction with one of the malfunctions described in clause 6.16.4.
- 6.16.3. the absence of power for manipulating the lamp.
- 6.16.4. a break, impedance, or short-circuit to earth in the electrical circuit, defects in the hydraulic or pneumatic leads, Bowden cables, solenoids or other components controlling or transmitting the energy intended to activate the concealment device.
- 6.16.5. in the event of a defect in the concealment control or other defects referred to in clauses 6.16.3 and 6.16.4., a concealed lighting device shall be capable of being moved into the position of use without the aid of tools.
- 6.16.6. it shall be possible to move lighting devices into the position of use and switch them on by means of a single control. It shall also be possible to move them into the position of use without switching them on. However, in the case of grouped '*Main-beam Headlamps*' and '*Dipped-beam*

Headlamps', the control referred to above is required only to activate the *'Dipped-beam Headlamps*'.

6.17. Colours of the lights: The colours of the lights referred to in this Regulation shall be as follows:

<i>'Main-beam Headlamp</i> ':	white
<i>'Dipped-beam Headlamp</i> ':	white
<i>'Direction Indicator Lamp</i> ':	amber
<i>'Stop Lamp</i> ':	red
<i>'Rear-Registration-Plate Illuminating Device</i> ':	white
<i>'Front Position (Side) Lamp</i> ':	white
<i>'Rear Position (Side) Lamp</i> ':	red
rear <i>'Reflex Reflector</i> ', non-triangular:	red
side <i>'Reflex Reflector</i> ', non-triangular:	amber
<i>'Vehicle Hazard Warning Signal</i> ':	amber
<i>'Front Fog Lamp</i> ':	white or yellow
<i>'Rear Fog Lamp</i> ':	red
front <i>'Reflex Reflector</i> ', non-triangular:	identical to incident light
<i>'Reversing Lamp</i> ':	white
<i>'Parking Lamp</i> ':	white at the front, red at the rear, amber if incorporated in the side <i>'Direction Indicator Lamps</i> '
<i>'Side Marker Lamp</i> ':	amber to the front, red to the rear
<i>'End-outline Marker Lamp</i> ':	white to the front, red to the rear
Cornering lamp:	white
<i>'Daytime Running Lamp</i> ':	white

6.18. Every vehicle shall be equipped with the following lighting and light-signalling devices:

- 6.18.1. *'Main-beam Headlamp*' (clause 7.1.);
- 6.18.1.1. Mandatory for all LE vehicles;
- 6.18.1.2. Optional for LB vehicles.
- 6.18.2. *'Dipped-beam Headlamp*' (clause 7.2.);
- 6.18.3. *'Direction Indicator Lamps*' (clause 7.3.);
- 6.18.4. *'Stop Lamp*' (clause 7.4.);
- 6.18.5. *'Rear-Registration-Plate Illuminating Device*' (clause 7.5.);
- 6.18.6. Position (Side) lamps:
 - 6.18.6.1. *'Front Position (Side) Lamp*' (clause 7.6.);
 - 6.18.6.2. *'Rear Position (Side) Lamp*' (clause 7.7.);
- 6.18.7. Rear *'Reflex Reflector*', red, non-triangular (clause 7.8.);
- 6.18.8. *'Reversing Lamp*' (clause 7.14.);
- 6.18.8.1. Mandatory for all LEP and LEG vehicles;

- 6.18.8.2. Mandatory for LB, and LEM vehicles if fitted with reverse gear;
- 6.18.9. *'Side Marker Lamps'* (clause 7.17.):
 - 6.18.9.1. Mandatory for all LB and LE vehicles with an overall width of over 2.1 metres and an overall length of over 7.5 metres;
 - 6.18.9.2. Optional on for all other three-wheeled vehicles;
- 6.18.10. *'End-Outline Marker Lamps'* (clause 7.18.):
 - 6.18.10.1. Mandatory for all three-wheeled vehicles exceeding 2.1 metres in width;
 - 6.18.10.2. Optional for all three-wheeled vehicles between 1.8 and 2.1 metres;
 - 6.18.10.3. Prohibited for all three-wheeled vehicles under 1.8 metres wide;
- 6.18.11. *'Vehicle Hazard Warning Signal'* (clause 7.9.):
 - 6.18.11.1. Mandatory for all LE vehicles;
 - 6.18.11.2. Optional for LB vehicles.
- 6.19. Every vehicle to which this rule applies may, in addition, be equipped with the following optional lighting and light-signalling devices:
 - 6.19.1. fog lamps:
 - 6.19.1.1. *'Front Fog Lamp'* (clause 7.10.);
 - 6.19.1.2. *'Rear Fog Lamp'* (clause 7.11.);
 - 6.19.2. Side *'Reflex Reflector'*, amber, non-triangular (clause 7.12.);
 - 6.19.3. Front *'Reflex Reflector'*, non-triangular (clause 7.15.);
 - 6.19.4. *'Parking Lamp'* (clause 7.13.);
 - 6.19.5. Cornering lamp (clause 7.16.); and
 - 6.19.6. *'Daytime Running Lamp'* (clause 7.19.).
- 6.20. The fitting of each of the lighting and light-signalling devices mentioned in clauses 6.18. and 6.19. above shall be effected in conformity with the relevant requirements in clause 7. of this Regulation.
- 6.21. The fitting of any lighting and light-signalling devices other than those mentioned in clauses 6.18. and 6.19. is prohibited.

7. INDIVIDUAL SPECIFICATIONS

- 7.1. *'MAIN-BEAM HEADLAMP'*
 - 7.1.1. Number:
 - 7.1.1.1. in the case of LE1 vehicles, one or 2 two lamps to either ADR 55/... or ADR 46/...;
 - 7.1.1.2. in the case of LE2 vehicles two, four or six lamps to ADR 46/...;
 - 7.1.1.3. in the case of LB1 vehicles, one or two lamps to ADR 54/...;
 - 7.1.1.4. in the case of LB2 vehicles, two lamps to ADR 54/... ;Headlamps complying with the corresponding Regulations for 4-wheeled vehicles are acceptable for all three-wheeled vehicles.

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- 7.1.2. Arrangement No special requirement.
- 7.1.3. Position
- 7.1.3.1. in width:
- 7.1.3.1.1. where one lamp is provided an independent '*Main-beam Headlamp*' may be installed above or below the '*Dipped-beam Headlamp*', in which case the geometric centre shall be situated in the longitudinal median plane of the vehicle. A '*Main-beam Headlamp*' '*Reciprocally Incorporated*' with the '*Dipped-beam Headlamp*' shall be installed with its geometric centre situated in the longitudinal median plane of the vehicle;
- 7.1.3.1.2. where '*Two Lamps*' are provided the outer edges of the '*Illuminating Surface*' must in no case be closer to the '*Extreme Outer Edge*' of the vehicle than the outer edges of the '*Illuminating Surface*' of the '*Dipped-beam Headlamps*' and the requirements of clause 6.5. shall be met.
- 7.1.3.2. in length: at the front of the vehicle. This requirement shall be deemed to be satisfied if the light emitted does not cause discomfort to the driver either directly or indirectly through the rear-view mirrors and/or other reflecting surfaces of the vehicle.
- 7.1.4. Geometric Visibility The visibility of the '*Illuminating Surface*', including its visibility in areas which do not appear to be illuminated in the direction of observation considered, shall be ensured within a divergent space defined by generating lines based on the perimeter of the '*Illuminating Surface*' and forming an angle of not less than 5° with the axis of reference of the headlamp.
- 7.1.5. Orientation Towards the front
- 7.1.5.1. for LB1 and LE1 the lamp may move with the steering.
- 7.1.5.2. For LB2 and LE2 vehicles, apart from devices necessary to maintain correct adjustment, and when there are two pairs of headlamps one pair, consisting of headlamps functioning as '*Main-beam Headlamps*' only, may swivel, according to the angle of lock of the steering, about a substantially vertical axis.
- 7.1.6. May be grouped with the '*Dipped-beam Headlamp*' and the other front lamps.
- 7.1.7. May not be '*Combined*' with any other lamp.
- 7.1.8. May be '*Reciprocally Incorporated*' with:
- 7.1.8.1. the '*Dipped-beam Headlamp*', unless the '*Main-beam Headlamp*' swivels according to the angle of lock of the steering;
- 7.1.8.2. the '*Front Position (Side) Lamp*';
- 7.1.8.3. the '*Front Fog Lamp*'; and.
- 7.1.8.4. the '*Parking Lamp*'.
- 7.1.9. Electrical Connections: The '*Dipped-beam Headlamp*' may remain switched on at the same time as the '*Main-beam Headlamp(s)*'.
- 7.1.10. '*Circuit-closed Tell-tale*': Mandatory, non-flashing blue signal lamp.
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- 7.2. ‘*DIPPED-BEAM HEADLAMP*’
- 7.2.1. Number:
- 7.2.1.1. in the case of LE1 vehicles, one or two lamps to either ADR 55/... or ADR 46/...;
- 7.2.1.2. in the case of LE2 vehicles, two lamps to ADR 46/...;
- 7.2.1.3. in the case of LB1 vehicles, one or two lamps to either ADR 54/... or ADR 46/...; and
- 7.2.1.4. in the case of LB2 vehicles, two lamps to ADR 54/...
- 7.2.2. Arrangement: No special requirement.
- 7.2.3. Position:
- 7.2.3.1. in width:
- 7.2.3.1.1. for LB1 and LE1 vehicles where only one lamp is fitted the ‘*Centre of Reference*’ shall be in the median longitudinal plane of the vehicle;
- 7.2.3.1.2. for LB2 and LE2 vehicles, that edge of the ‘*Illuminating Surface*’ which is farthest from the vehicle’s median longitudinal plane shall be not more than 400 mm from the ‘*Extreme Outer Edge*’ of the vehicle;
- 7.2.3.2. In height: not less than 500 mm nor more than 1,200 mm above the ground;
- 7.2.3.3. In length: at the front of the vehicle. This requirement shall be deemed to be satisfied if the light emitted does not cause discomfort to the driver either directly or indirectly through the rear-view mirrors and/or other reflecting surfaces of the vehicle.
- 7.2.4. Geometric Visibility: Defined by angles α and β as specified in clause 4.24:
- 7.2.4.1. $\alpha = 15^\circ$ upwards and 10° downwards;
- 7.2.4.2. $\beta = 45^\circ$ to the left and to the right.
- 7.2.5. The presence of partitions or other items of equipment near the headlamp shall not give rise to secondary effects causing discomfort to other road users.
- 7.2.6. Orientation: Forwards.
- 7.2.6.1. for LB1 and LE1 vehicles, the lamp may move with the steering.
- 7.2.6.2. for LB2 and LE2 vehicles, the lamps shall not move with the steering.
- 7.2.7. May be grouped with the ‘*Main-beam Headlamp*’ and other front lamps.
- 7.2.8. May not be ‘*Combined*’ with any other lamp.
- 7.2.9. May be ‘*Reciprocally Incorporated*’ with:
- 7.2.9.1. the ‘*Main-beam Headlamp*’ unless the latter swivels according to the angle of lock of the steering; and/or
- 7.2.9.2. the other front lamps.
- 7.2.10. Electrical Connections:
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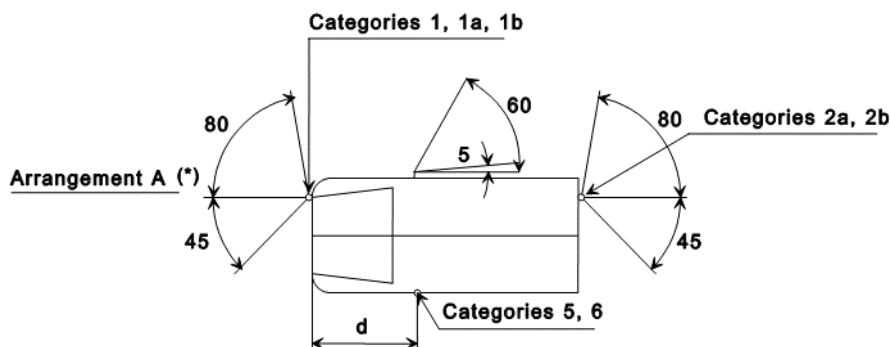
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- 7.2.10.1. the control for changing over to the ‘*Dipped-beam Headlamp(s)*’ shall switch off the ‘*Main-beam Headlamp(s)*’ simultaneously. The ‘*Dipped-beam Headlamp(s)*’ may remain switched on at the same time as the ‘*Main-beam Headlamp(s)*’;
 - 7.2.10.2. the control for changing over to the dipped-beam shall be a hand or foot operated switch within reach of the driver in the normal driving position;
 - 7.2.11. Tell-tale: Optional: Non-flashing green signal lamp.
 - 7.3. ‘*DIRECTION INDICATOR LAMP*’
 - 7.3.1. Number: According to the arrangement (see Figure 1 below).
 - 7.3.2. Arrangement:
 - 7.3.2.1. for LB and LEM vehicles:
 - 7.3.2.1.1. two front indicators (ADR 53/... or category 1 as specified in ADR 6/...), and
 - 7.3.2.1.2. two rear indicators (ADR 53/... or category 2 as specified in ADR 6/...).
 - 7.3.2.2. for LEP2 and LEG2 vehicles:
 - 7.3.2.2.1. two front indicators (ADR 53/... or category 1 as specified in ADR 6/...), and
 - 7.3.2.2.2. two rear indicators (ADR 53/... or category 2 as specified in ADR 6/...), and
 - 7.3.2.2.3. two repeating side ‘*Direction Indicator Lamps*’ (category 5 as specified in ADR 6/...).
 - 7.3.2.3. for LEP1 and LEG1 vehicles:
 - 7.3.2.3.1. two front indicators (ADR 53/... or category 1 as specified in ADR 6/...), and
 - 7.3.2.3.2. two rear indicators (ADR 53/... or category 2 as specified in ADR 6/...), and
 - 7.3.2.3.3. two repeating side indicators (category 5 as specified in ADR 6/...).
 - 7.3.2.4. Where lamps combining the functions of front ‘*Direction Indicator Lamps*’ (category 1) and side repeating ‘*Direction Indicator Lamps*’ (category 5) are fitted, two additional side repeating ‘*Direction Indicator Lamps*’ (category 5) may be fitted to meet the visibility requirements of clause 7.3.4.
 - 7.3.2.5. For LEP and LEG vehicles more than 7.5 metres long, additional to any side repeating ‘*Direction Indicator Lamps*’ (category 5) permitted by clause 7.3.2., a further pair of side repeating ‘*Direction Indicator Lamps*’ may be fitted approximately midway in length between the rear ‘*Direction Indicator Lamps*’ (category 2) and the rearmost of any other side repeating ‘*Direction Indicator Lamps*’.
 - 7.3.3. Position:
 - 7.3.3.1. in width:
 - 7.3.3.1.1. for LB1 and LE1 vehicles:
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- 7.3.3.1.1.1. for front indicators, the following requirements shall all be met:
 - 7.3.3.1.1.1.1. there shall be a minimum distance of 300 mm between ‘*Illuminating Surfaces*’;
 - 7.3.3.1.1.1.2. the indicators shall be situated outside the longitudinal vertical planes tangential to the outer edges of the ‘*Illuminating Surface*’ of the headlamp(s); and
 - 7.3.3.1.1.1.3. there shall be a minimum distance of at least 100 mm between the ‘*Illuminating Surfaces*’ of the indicators and headlamps closest to one another.
 - 7.3.3.1.1.2. for rear indicators, the edge of the ‘*Illuminating Surface*’ furthest from the median longitudinal plane of the vehicle must not be more than 400 mm from the ‘*Extreme Outer Edge*’ of the vehicle.
 - 7.3.3.1.2. for LB2 and LE2 vehicles:
 - 7.3.3.1.2.1. for front indicators the edge of the ‘*Illuminating Surface*’ furthest from the median longitudinal plane of the vehicle must not be more than 400 mm from the ‘*Extreme Outer Edge*’ of the vehicle.
 - 7.3.3.1.2.2. for rear indicators, the clearance between the inner edges of the two ‘*Illuminating Surfaces*’ shall be at least 240 mm on the condition that the prescriptions of clause 4.24. are applied even when the registration plate is mounted:
 - 7.3.3.2. in height: not less than 350 mm nor more than 1200 mm above the ground;
 - 7.3.3.3. in length:
 - 7.3.3.3.1. the distance between the ‘*Light Emitting Surface*’ of the side ‘*Direction Indicator Lamp*’ (category 5) and the transverse plane which marks the forward boundary of the vehicle’s overall length, shall not exceed 1800 mm. If the structure of the vehicle makes it impossible to comply with the minimum angles of visibility, this distance may be increased to 2500 mm.
 - 7.3.4. Geometric Visibility:
 - 7.3.4.1. Horizontal angles: see Figure 1 below.
 - 7.3.4.2. Vertical angles: 15° above and below the horizontal. The vertical angle below the horizontal may be reduced to 5°, however, if the height of the lamps is less than 750 mm.
 - 7.3.4.3. The front lights shall not be seen at the rear and the rear lights at the front, in the regions shown in zones 1 and 2 respectively (see clauses 6.11. and 6.12.).
 - 7.3.5. Orientation: According to the fitting arrangement (see Figure 1 below).
 - 7.3.5.1. for LB1 and LE1 vehicles the front ‘*Direction Indicator Lamps*’ may move with the steering.
 - 7.3.5.2. for LB2 and LE2 vehicles, the front ‘*Direction Indicator Lamps*’ shall not move with the steering.
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- 7.3.6. May be grouped with one or more lamps.
 - 7.3.7. May not be ‘*Combined*’ with any other lamp.
 - 7.3.8. May be ‘*Reciprocally Incorporated*’ with a ‘*Parking Lamp*’ only.
 - 7.3.9. Electrical Connections: ‘*Direction Indicator Lamps*’ shall switch on independently of the other lamps. All ‘*Direction Indicator Lamps*’ on one side of a vehicle shall be switched on and off by means of one control and shall flash in phase.
 - 7.3.10. Tell-tale: ‘*Operating Tell-tale*’ mandatory. It shall be a flashing green or yellow lamp, visible in all normal driving conditions which, in the event of defective operation of any of the direction indicators, is extinguished, remains alight without flashing, or shows a marked change of frequency.
 - 7.3.11. Other Requirements: The characteristics indicated below shall be measured with no other load on the electrical system than that required for the operation of the engine and the lighting devices.
 - 7.3.11.1. In the case of all vehicles which supply direct current to the direction indicators:
 - 7.3.11.1.1. the light flashing frequency shall be 90 ± 30 times per minute;
 - 7.3.11.1.2. the flashing of the direction indicators on the same side of the vehicle shall occur synchronously and in phase;
 - 7.3.11.1.3. operation of the light-signal control shall be followed within not more than one second by the appearance of the light and within not more than one-and-one-half seconds by the first extinction of the light.
 - 7.3.11.2. In the case of a vehicle which supplies alternating current to the direction indicators:
 - 7.3.11.2.1. where the speed of the engine is between 50 per cent and 100 per cent of the engine speed corresponding to the maximum speed of the vehicle:
 - 7.3.11.2.1.1. the light flashing frequency shall be 90 ± 30 times per minute,
 - 7.3.11.2.1.2. the flashing of the direction indicators on the same side of the vehicle may occur synchronously or alternately;
 - 7.3.11.2.1.3. operation of the light-signal control shall be followed within not more than one second by the appearance of the light and within not more than one-and-one-half seconds by the first extinction of the light.
 - 7.3.11.2.2. where the speed of the engine is between the idling speed indicated by the manufacturer and 50 per cent of the engine speed corresponding to the maximum speed of the vehicle:
 - 7.3.11.2.2.1. the light flashing frequency shall be between $90 + 30$ and $90 - 45$ times per minute;
 - 7.3.11.2.2.2. the flashing of the direction indicators on the same side of the vehicle may occur synchronously or alternately;
 - 7.3.11.2.2.3. operation of the light-signal control shall be followed within not more than one second by appearance of the light and within not more than one-and-one-half seconds by the first extinction of the light.
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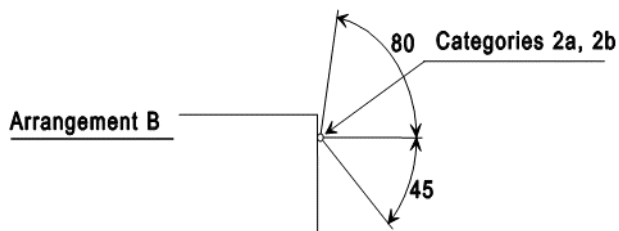
7.3.11.3. In the event of failure, other than a short circuit, of one ‘*Direction Indicator Lamp*’, the other ‘*Direction Indicator Lamp(s)*’ indicating the same direction must continue to flash or remain alight, but the frequency in this condition may be different from that prescribed.

7.3.12. Figure 1 (see clauses 7.3.1., 7.3.4.1. and 7.3.5.)



(*) The value of 5° given for dead angle of visibility to the rear of the side direction-indicator is an upper limit $d \leq 1.80$ m (for M_1 and N_1 category vehicles $d \leq 2.50$ m).

For the ‘*Direction Indicator Lamp(s)*’ direction indicator lamps of categories 1, 1a, 1b, 2a and 2b mounted below 750 mm, the inward angle of 45° may be reduced to 20° under the H plane.



7.4. ‘*STOP LAMP*’

7.4.1. Number:

7.4.1.1. one or two lamps to ADR 53/... for LB2 and LE2 vehicles;

7.4.1.2. two lamps to ADR 53/... or ADR 49/... for LB1 vehicles;

7.4.1.3. two lamps to ADR 49/... for LE1 vehicles.

7.4.2. Arrangement: No special requirement.

7.4.3. Position:

7.4.3.1. in width:

7.4.3.1.1. for LB2 and LE2 vehicles with a single ‘*Stop Lamp*’ fitted, the ‘*Centre of Reference*’ shall be in the median longitudinal plane of the vehicle;

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- 7.4.3.1.2. for all other vehicles to which this rule applies, the lamps shall be not less than 600 mm apart. This distance may be reduced to 400 mm if the overall width of the vehicle is less than 1300 mm.
 - 7.4.3.2. in height: not less than 350 mm nor more than 1,200 mm above the ground;
 - 7.4.3.3. in length: at the rear of the vehicle.
 - 7.4.4. Geometric Visibility:
 - 7.4.4.1. horizontal angle: 45° to left and to right.
 - 7.4.4.2. vertical angle: 15° above and below the horizontal. The vertical angle below the horizontal may be reduced to 5°, however, if the height of the lamp is less than 750 mm.
 - 7.4.5. Orientation: Towards the rear of the vehicle.
 - 7.4.6. May be grouped with one or more other rear lamps.
 - 7.4.7. May not be ‘*Combined*’ with any other lamp, unless the ‘*Rear Position (Side) Lamp*’ is reciprocally incorporated with the ‘*Stop Lamp*’ and combined with the ‘*Rear-Registration-Plate Illuminating Device*’.
 - 7.4.8. May be ‘*Reciprocally Incorporated*’ with the ‘*Rear Position (Side) Lamp*’ or the ‘*Parking Lamp*’.
 - 7.4.9. Electrical Connections: Shall light up at any service brake application.
 - 7.4.10. Tell-tale: Optional. Where fitted, this tell-tale must be an ‘*Operating Tell-tale*’ consisting of a non-flashing warning light which comes on in the event of the malfunctioning of the ‘*Stop Lamps*’.
 - 7.4.11. Other Requirements: None.
 - 7.5. ‘*REAR REGISTRATION PLATE ILLUMINATING DEVICE*’
 - 7.5.1. Number:
 - 7.5.1.1. such that the devices illuminate the space reserved for the registration plate.
 - 7.5.1.2. lamps to ADR 53/... for LB and LE2 vehicles;
 - 7.5.1.3. lamps to ADR 48/... for LE1 vehicles.
 - 7.5.2. Arrangement: Such that the device illuminates the space reserved for the registration plate.
 - 7.5.3. Position: Such that the device illuminates the space reserved for the registration plate.
 - 7.5.3.1. in width: Such that the device illuminates the space reserved for the registration plate.
 - 7.5.3.2. in height: Such that the device illuminates the space reserved for the registration plate.
 - 7.5.3.3. in length: Such that the device illuminates the space reserved for the registration plate.
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- 7.5.4. Geometric Visibility: Such that the device illuminates the space reserved for the registration plate.
 - 7.5.5. Orientation: Such that the device illuminates the space reserved for the registration plate.
 - 7.5.6. May be grouped with one or more rear lamps.
 - 7.5.7. May be ‘*Combined*’ with the ‘*Rear Position (Side) Lamps*’.
 - 7.5.8. May not be ‘*Reciprocally Incorporated*’ with any other lamp.
 - 7.5.9. Electrical Connections: No special requirement.
 - 7.5.10. Tell-tale: Optional. If fitted, its function shall be performed by the tell-tale prescribed for the position lamp(s).
 - 7.5.11. Other Requirements: None.
 - 7.6. ‘*FRONT POSITION (SIDE) LAMP*’
 - 7.6.1. Number:
 - 7.6.1.1. for LB1 and LEM1 vehicles:
 - 7.6.1.1.1. one independent lamp or one lamp ‘*Reciprocally Incorporated*’ with a ‘*Dipped-beam Headlamp*’, to ADR 53/...
 - 7.6.1.1.2. where the head light assembly comprises two independent ‘*Dipped-beam Headlamps*’, it is permissible to ‘*Reciprocally Incorporate*’ the ‘*Front Position (Side) Lamp*’ in one or both these ‘*Dipped-beam Headlamps*’.
 - 7.6.1.2. for LB2, LEM2, LEP and LEG vehicles:
 - 7.6.1.2.1. two lamps to ADR 49/...
 - 7.6.1.2.2. the two lamps shall be mounted with their centres symmetrical about the longitudinal median plane of the vehicle.
 - 7.6.2. Arrangement: No special requirement.
 - 7.6.3. Position:
 - 7.6.3.1. in width:
 - 7.6.3.1.1. for LB1 and LEM1 vehicles the ‘*Centre of Reference*’ shall be in the median longitudinal plane of the vehicle;
 - 7.6.3.1.1.1. for a lamp ‘*Reciprocally Incorporated*’ with a headlamp; see that headlamp and clauses 7.6.1.1. and 7.6.1.2.
 - 7.6.3.1.1.2. For LB2, LEM2, LEP and LEG vehicles, that point on the ‘*Illuminating Surface*’ which is farthest from the vehicle’s median longitudinal plane shall not be more than 400 mm from the ‘*Extreme Outer Edge*’ of the vehicle.
 - 7.6.3.2. In height: not less than 350 mm nor more than 1,500 mm above the ground.
 - 7.6.3.3. In length: as near to the front of the vehicle as the shape of the bodywork allows.
 - 7.6.3.3.1. Where the ‘*Front Position (Side) Lamp*’ and another lamp are ‘*Reciprocally Incorporated*’, the ‘*Illuminating Surface*’ of the other lamp
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must be used to verify compliance with the positioning requirements (clauses 7.6.3.1 to 7.6.3.3).

- 7.6.4. Geometric Visibility:
 - 7.6.4.1. horizontal angle: 45° inwards and 80° outwards.
 - 7.6.4.2. vertical angle: 15° above and below the horizontal. The vertical angle below the horizontal may be reduced to 5°, however, if the height of the lamp is less than 750 mm.
- 7.6.5. Orientation: Forwards. The '*Front Position (Side) Lamp*' may move with the steering.
- 7.6.6. May be grouped with any other front lamp.
- 7.6.7. May be '*Reciprocally Incorporated*' with any other front lamp.
- 7.6.8. Electrical Connections: No special requirement.
- 7.6.9. Tell-tale: '*Circuit Closed Tell-tale*' mandatory. Non-flashing green signal lamp.
 - 7.6.9.1. This tell-tale shall not be required if the instrument panel (dashboard) lighting can be switched on or off only simultaneously with the position lamp.
- 7.6.10. Other Requirements: None.
- 7.7. '*REAR POSITION (SIDE) LAMP*'
 - 7.7.1. Number:
 - 7.7.1.1. one or two lamps to ADR 53/... for LB2 and LEM2 vehicles;
 - 7.7.1.2. two lamps to ADR 53/... or ADR 49/... for LB1, LEM1 and
 - 7.7.1.3. two lamps to ADR 49/... for LEP and LEG vehicles.
 - 7.7.2. Arrangement: No special requirements.
 - 7.7.3. Position:
 - 7.7.3.1. in width:
 - 7.7.3.1.1. for LB2 and LEM2 vehicles fitted with a single '*Rear Position (Side) Lamp*' only, the '*Centre of Reference*' shall be in the median longitudinal plane of the vehicle;
 - 7.7.3.1.2. for all other vehicles to which this rule applies, that point on the '*Illuminating Surface*' which is farthest from the vehicle's median longitudinal plane shall not be more than 400 mm from the '*Extreme Outer Edge*' of the vehicle. The clearance between the inner edges of the '*Illuminating Surfaces*' shall not be less than 400 mm.
 - 7.7.3.2. in height: not less than 350 mm nor more than 1500 mm above the ground;
 - 7.7.3.3. in length: as near to the rear of the vehicle as the shape of the bodywork allows.
 - 7.7.4. Geometric Visibility:
 - 7.7.4.1. horizontal angle: 45° inwards and 80° outwards.

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- 7.7.4.2. vertical angle: 15° above and below the horizontal. The vertical angle below the horizontal may be reduced to 5°, however, if the height of the lamp is less than 750 mm.
- 7.7.5. Orientation: Rearwards.
- 7.7.6. May be grouped with any other rear lamp.
- 7.7.7. May be ‘*Combined*’ with the ‘*Rear Registration Plate Illuminating Device*’.
- 7.7.8. May be ‘*Reciprocally Incorporated*’ with the ‘*Stop Lamp*’, or the rear non-triangular red ‘*Reflex Reflector*’, or both, or with the ‘*Rear Fog Lamp*’.
- 7.7.9. Electrical Connections: No special requirement.
- 7.7.10. Tell-tale: ‘*Circuit Closed Tell-tale*’ mandatory. Non-flashing green signal lamp.
- 7.7.10.1. This tell-tale shall not be required if the instrument panel (dashboard) lighting can be switched on or off only simultaneously with the position lamp.
- 7.7.11. Other Requirements: None.
- 7.8. REAR ‘*REFLEX REFLECTOR*’, RED, NON-TRIANGULAR
- 7.8.1. Number:
- 7.8.1.1. one reflector to ADR 47/... for LB2 and LEM2 vehicles;
- 7.8.1.2. two reflectors to ADR 47/... for LB1, LEM1, LEP and LEG vehicles.
- 7.8.2. Arrangement: No special requirement.
- 7.8.3. Position:
- 7.8.3.1. in width:
- 7.8.3.1.1. for LB2 and LEM2 vehicles the ‘*Centre of Reference*’ shall be in the median longitudinal plane of the vehicle;
- 7.8.3.1.2. for LB1, LEM1, LEP and LEG vehicles, that point on the ‘*Illuminating Surface*’ which is farthest from the vehicle’s median longitudinal plane shall not be more than 400 mm from the ‘*Extreme Outer Edge*’ of the vehicle. The inner edges of the reflectors shall not be less than 400 mm apart.
- 7.8.3.2. in height: not less than 350 mm nor more than 900 mm above the ground.
- 7.8.3.3. in length: as near to the rear of the vehicle as the shape of the bodywork allows.
- 7.8.4. Geometric Visibility:
- 7.8.4.1. horizontal angle: 30° to left and to right.
- 7.8.4.2. vertical angle: 15° above and below the horizontal. The vertical angle below the horizontal may be reduced to 5°, however, if the height of the lamp is less than 750 mm.
- 7.8.5. Orientation: Rearwards.
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- 7.8.6. May be grouped with any other lamp.
 - 7.8.7. Electrical Connections: Not Applicable.
 - 7.8.8. Tell-tale: Not Applicable.
 - 7.8.9. Other Requirements: The '*Illuminating Surface*' of the reflex reflector may have parts in common with that of any other red lamp situated at the rear.
 - 7.9. '*VEHICLE HAZARD WARNING SIGNAL*'
 - 7.9.1. The signal shall be given by simultaneous operation of the '*Direction Indicator Lamps*' in accordance with the requirements of clause 7.3. above.
 - 7.9.2. Electrical Connections: The signal shall be given by means of a separate control enabling all the direction indicators to be supplied with current simultaneously.
 - 7.9.3. Tell-tale: '*Circuit-closed Tell-tale*' mandatory. Flashing red signal lamp or, in the case of separate tell-tales, the simultaneous operation of the tell-tale prescribed in clause 7.3.10.
 - 7.9.4. Other Requirements:
 - 7.9.4.1. The light flashing frequency shall be 90 ± 30 times per minute. Operation of the lamp-signal control shall be followed within not more than one second by the appearance of the light and within not more than one-and-one-half seconds by the first extinction of the light.
 - 7.9.4.2. Except in the locking position, the '*Vehicle Hazard Warning Signal*' shall remain capable of being actuated even when the device which controls the starting and stopping of the engine is in such a position that operation of the engine is impossible.
 - 7.10. '*FRONT FOG LAMP*'
 - 7.10.1. Number:
 - 7.10.1.1. one or two lamps to ADR 50/... for LB1 and LE1 vehicles;
 - 7.10.1.2. two lamps to ADR 50/... for LB2 and LE2 vehicles.
 - 7.10.2. Arrangement: No special requirement.
 - 7.10.3. Position:
 - 7.10.3.1. in width:
 - 7.10.3.1.1. for LB1 and LE1 vehicles fitted with a single '*Front Fog Lamp*' only, the '*Centre of Reference*' shall be in the median longitudinal plane of the vehicle; or the edge of the '*Illuminating Surface*' which is nearest to that plane shall be not more than 250 mm away from it;
 - 7.10.3.1.2. for all other vehicles to which this rule applies, that point on the '*Illuminating Surface*' which is farthest from the vehicle's median longitudinal plane shall not be more than 400 mm from the '*Extreme Outer Edge*' of the vehicle.
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- 7.10.3.2. in height: not less than 250 mm above the ground. No point on the ‘*Illuminating Surface*’ shall be higher than the highest point on the ‘*Illuminating Surface*’ of the ‘*Dipped-beam Headlamp*’;
 - 7.10.3.3. in length: at the front of the vehicle. This requirement shall be deemed to be satisfied if the light emitted does not cause discomfort to the driver either directly or indirectly through the rear-view mirrors and/or other reflecting surfaces of the vehicle.
 - 7.10.4. Geometric Visibility: Defined by angles α and β as specified in clause 4.24:
 - 7.10.4.1. $\alpha = 5^\circ$ upwards and downwards;
 - 7.10.4.2. $\beta = 45^\circ$ to left and to right except for an off-centre light, in which case the inward angle $\beta = 10^\circ$.
 - 7.10.5. Orientation: Forwards.
 - 7.10.5.1. for LB1 and LE1 vehicles the lamp(s) may move with the steering.
 - 7.10.5.2. for LB2 and LE2 vehicles the lamps shall not move with the steering.
 - 7.10.6. May be grouped with the other front lamps.
 - 7.10.7. May not be ‘*Combined*’ with any other front lamp.
 - 7.10.8. May be ‘*Reciprocally Incorporated*’ with:
 - 7.10.8.1. a ‘*Front Position (Side) Lamp*’;
 - 7.10.8.2. a ‘*Main-beam Headlamp*’ unless the latter swivels according to the angle of lock of the steering in the case of LB2 and LE2 category vehicles; and/or
 - 7.10.8.3. the ‘*Parking Lamp*’.
 - 7.10.9. Electrical Connections: It shall be possible to switch the ‘*Front Fog Lamp*’ on or off independently of the ‘*Main-beam Headlamp*’ and ‘*Dipped-beam Headlamp*’.
 - 7.10.10. Tell-tale: ‘*Circuit-closed Tell-tale*’ optional; non-flashing green signal.
 - 7.11. ‘*REAR FOG LAMP*’
 - 7.11.1. Number:
 - 7.11.1.1. one lamp to ADR 52/... for LB2 and LE2 vehicles;
 - 7.11.1.2. one or two lamps to ADR 52/... for LB1 and LE1 vehicles.
 - 7.11.2. Arrangement: No special requirement.
 - 7.11.3. Position:
 - 7.11.3.1. in width: For LB1 and LE1 vehicles, where only one ‘*Rear Fog Lamp*’ is fitted, the ‘*Rear Fog Lamp*’ shall be on or to the right of the median longitudinal plane of the vehicle.
 - 7.11.3.2. in height: not less than 250 mm nor more than 1000 mm above the ground;
 - 7.11.3.3. in length: at the rear of the vehicle.
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- 7.11.3.4. The distance between the ‘*Illuminating Surface*’ of the ‘*Rear Fog Lamp*’ and that of the ‘*Stop Lamp*’ shall not be less than 100 mm.
 - 7.11.4. Geometric Visibility: Defined by angles α and β as specified in clause 4.24.:
 - 7.11.4.1. $\alpha = 5^\circ$ upwards and 5° downwards;
 - 7.11.4.2. $\beta = 25^\circ$ to right and to left.
 - 7.11.5. Orientation: Rearwards.
 - 7.11.6. May be grouped with any other rear lamp.
 - 7.11.7. May not be ‘*Combined*’ with any other lamp.
 - 7.11.8. May be ‘*Reciprocally Incorporated*’ with a ‘*Rear Position (Side) Lamp*’.
 - 7.11.9. Electrical Connections: shall be such that the ‘*Rear Fog Lamp*’ can light up only when one or more of the following lamps are switched on:
 - ‘*Main-beam Headlamp*’,
 - ‘*Dipped-beam Headlamp*’,
 - ‘*Front Fog Lamp*’. If there is a ‘*Front Fog Lamp*’, it shall be possible to switch off the ‘*Rear Fog Lamp*’ independently of the ‘*Front Fog Lamp*’.
 - 7.11.10. Tell-tale: ‘*Circuit-closed Tell-tale*’ mandatory. Non-flashing amber signal lamp.
 - 7.12. SIDE ‘*REFLEX REFLECTOR*’, AMBER, NON-TRIANGULAR
 - 7.12.1. Number: One or two reflectors per side to ADR 47/...
 - 7.12.2. Arrangement: No special requirement.
 - 7.12.3. Position:
 - 7.12.3.1. in width: no special requirement;
 - 7.12.3.2. in height: not less than 350 mm nor more than 900 mm above the ground;
 - 7.12.3.3. in length: No special requirement.
 - 7.12.4. Geometric Visibility:
 - 7.12.4.1. horizontal angles: $\alpha = 30^\circ$ to the front and to the rear.
 - 7.12.4.2. vertical angles: $\beta = 15^\circ$ above and below the horizontal. The vertical angle below the horizontal may be reduced to 5° , however, if the height of the reflector is less than 750 mm.
 - 7.12.5. Orientation: The ‘*Reference Axis*’ of the ‘*Reflex Reflectors*’ must be perpendicular to the vehicle’s median longitudinal plane and directed outwards.
 - 7.12.6. May be grouped with the other signalling devices.
 - 7.13. ‘*PARKING LAMP*’
 - 7.13.1. Number: According to arrangement.
 - 7.13.2. Arrangement:
 - 7.13.2.1. for LB1 and LE1 vehicles:
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- 7.13.2.1.1. if rear orientation only - one or two to ADR 86/..., ADR 53/... or ADR 49/...
 - 7.13.2.1.2. if front and rear orientation – one to the front, and one or two to the rear to ADR 86/..., ADR 53/... or ADR 49/...
 - 7.13.2.2. for LB2 and LE2 vehicles:
 - 7.13.2.2.1. if rear orientation only - one to ADR 86/..., ADR 53/... or ADR 49/...
 - 7.13.2.2.2. if front and rear orientation – one to the rear, and one or two to the front to ADR 86/..., ADR 53/... or ADR 49/...
 - 7.13.3. Position:
 - 7.13.3.1. in width: the point on the '*Illuminating Surface*' which is farthest from the vehicle's median longitudinal plane shall not be more than 400 mm from the '*Extreme Outer Edge*' of the vehicle.
 - 7.13.3.1.1. furthermore, if there are two lamps, they shall be on the sides of the vehicle.
 - 7.13.3.2. in height: not less than 350 mm nor more than 1500 mm above the ground.
 - 7.13.3.3. in length: at the front or rear of the vehicle.
 - 7.13.4. Geometric Visibility:
 - 7.13.4.1. horizontal angle: 45° outwards;
 - 7.13.4.2. vertical angle: 15° above and below the horizontal. The vertical angle below the horizontal may be reduced to 5°, however, if the height of the lamp is less than 750 mm.
 - 7.13.5. Orientation: Such that lamps meet the requirements for visibility forwards and rearwards.
 - 7.13.6. May be grouped with any other lamp.
 - 7.13.7. May not be '*Combined*' with any other lamp.
 - 7.13.8. May be '*Reciprocally Incorporated*':
 - 7.13.8.1. at the front, with any front lamp other than '*Direction Indicator Lamps*'.
 - 7.13.8.2. at the rear, with a '*Rear Position (Side) Lamp*', '*Stop Lamp*' or a '*Rear Fog Lamp*'.
 - 7.13.8.3. With direction indicators of category 5 (see clause 7.3.).
 - 7.13.9. Electrical Connections: The connection must allow the '*Parking Lamp(s)*' to be lit independently of any other lamps. The lamp must be able to function even if the device which starts and/or stops the engine is in a position which makes it impossible for the engine to operate.
 - 7.13.10. Tell-tale: '*Circuit-closed tell-tale*' optional. If there is one, it must not be possible to confuse it with the tell-tale for the '*Front Position (Side) Lamp(s)*' and '*Rear Position (Side) Lamp(s)*'.
- 7.14. '*REVERSING LAMP*'
- 7.14.1. Number: One or two to ADR 1/...
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- 7.14.2. Arrangement: No special requirement.
 - 7.14.3. Position:
 - 7.14.3.1. in width: no special requirement.
 - 7.14.3.2. in height: not less than 250 mm nor more than 1200 mm above the ground.
 - 7.14.3.3. in length: at the back of the vehicle.
 - 7.14.4. Geometric Visibility:
 - 7.14.4.1. horizontal angle: 45° to the right and left if there is only one lamp, 45° outwards and 30° inwards if there are two lamps.
 - 7.14.4.2. vertical angle: 15° upwards and 5° downwards.
 - 7.14.5. Orientation: Rearwards.
 - 7.14.6. May be grouped with any other rear lamp.
 - 7.14.7. May not be '*Combined*' with any other lamp.
 - 7.14.8. May not be '*Reciprocally Incorporated*' with any other lamp.
 - 7.14.9. Electrical Connections: The '*Reversing Lamp*' shall light up if the reverse gear is engaged and the engine is running. It may light up if the reverse gear is engaged and if the device which controls the starting and stopping of the engine is in such a position that operation of the engine is possible. It shall not light up or remain lit if either of the above conditions is not satisfied.
 - 7.14.10. Tell-tale: Optional.
 - 7.14.11. Other Requirements: None.
 - 7.15. FRONT '*REFLEX REFLECTOR*', NON-TRIANGULAR
 - 7.15.1. Number:
 - 7.15.1.1. one reflector to ADR 47/... for LB1 and LE1 vehicles;
 - 7.15.1.2. two reflectors to ADR 47/... LB2 and LE2 vehicles.
 - 7.15.2. Arrangement: No special requirement.
 - 7.15.3. Position:
 - 7.15.3.1. In width:
 - 7.15.3.1.1. for LB1 and LE1 vehicles, the '*Centre of Reference*' shall be in the median longitudinal plane of the vehicle.
 - 7.15.3.1.2. for LB2 and LE2 vehicles that point on the '*Illuminating Surface*' which is furthest from the vehicle's median longitudinal plane shall not be more than 400 mm from the '*Extreme Outer Edge*' of the vehicle and the inner edges of the reflectors shall not be less than 400 mm apart.
 - 7.15.3.2. In height: not less than 350 mm and not more than 900 mm above the ground.
 - 7.15.3.3. In length: at front of vehicle.
 - 7.15.4. Geometric Visibility:
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- 7.15.4.1. horizontal angle: from 30° left to 30° right.
 - 7.15.4.2. vertical angle: 15° above and below the horizontal. The vertical angle below the horizontal may be reduced to 5° in the case of a '*Reflex Reflector*' less than 750 mm above the ground.
 - 7.15.5. Orientation: Towards the front. For LB1 and LE1 vehicles, the reflector may move with the steering.
 - 7.15.6. May be grouped with the '*Front Position (Side) Lamp*'.
 - 7.15.7. Other Requirements: The '*Illuminating Surface*' of the '*Reflex Reflector*' may have parts in common with that of the '*Front Position (Side) Lamp*'.
 - 7.16. CORNERING LAMPS
 - 7.16.1. Number: Two lamps to ADR 87/...
 - 7.16.2. Arrangement: No special requirement.
 - 7.16.3. Position:
 - 7.16.3.1. in width: One on each side of the vehicle.
 - 7.16.3.2. in height: No higher than the '*Dipped-beam Headlamp*'.
 - 7.16.3.3. in length: The outermost edge of the '*Illuminating Surface*' of a cornering lamp shall be within 2 m of the front of the vehicle.
 - 7.16.4. Geometric Visibility: The main photometric axis shall not strike the road surface:
 - 7.16.4.1. at a distance of more than 40 m from the '*Illuminating Surface*'.
 - 7.16.4.2. on the right side of the longitudinal axis through the '*Centre of Reference*' for a lamp on the left side.
 - 7.16.4.3. on the left side of the longitudinal axis through the '*Centre of Reference*' for a lamp on the right side.
 - 7.16.4.4. to the rear of the transverse longitudinal plane through the '*Centre of Reference*'.
 - 7.16.5. Orientation: Towards the front.
 - 7.16.6. May be grouped with any other lamp.
 - 7.16.7. May not be '*Combined*' with any other lamp.
 - 7.16.8. May be '*Reciprocally Incorporated*' with the '*Front Position (Side) Lamps*' or the '*Parking Lamps*'.
 - 7.16.9. Electrical Connections:
 - 7.16.9.1. the cornering lamps shall be so connected that they cannot be activated unless the '*Main-beam Headlamps*' or the '*Dipped-beam Headlamps*' are switched ON at the same time.
 - 7.16.9.2. the cornering lamp on one side of the vehicle may only be switched ON automatically when the '*Direction Indicator Lamp(s)*' on the same side of the vehicle are switched ON and/or when the steering angle is changed from the straight-ahead position towards the same side of the vehicle.
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- 7.16.9.3. the cornering lamp shall be switched OFF automatically when the ‘*Direction Indicator Lamp(s)*’ is switched OFF and/or the steering angle has returned in the straight-ahead position.
- 7.16.9.4. When the ‘*Reversing Lamp*’ is switched ON, both cornering lamps may be switched on simultaneously, independently from the steering wheel or direction-indicator position. In this case, the cornering lamps shall be switched OFF when the ‘*Reversing Lamp*’ is switched OFF.
- 7.16.10. Tell-tale: No requirement.
- 7.16.11. Other Requirements: None.
- 7.17. ‘*SIDE MARKER LAMPS*’
- 7.17.1. Presence
- 7.17.1.1. Optional.
- 7.17.2. Number: Lamps to ADR 74/... according to the Arrangement (see clause 7.17.3. below).
- 7.17.3. Arrangement: Two at the rear
- 7.17.4. Position:
- 7.17.4.1. in width: the point on the ‘*Illuminating Surface*’ which is farthest from the vehicle’s median longitudinal plane shall not be more than 150 mm from the ‘*Extreme Outer Edge*’ of the vehicle.
- 7.17.4.2. in height: All ‘*Side Marker Lamps*’ shall be at the same height as far as practicable above the ground and not less than 600 mm nor more than 1,500 mm (2,100 mm if the shape of the body-work makes it impossible to keep within 1,500 mm).
- 7.17.4.3. in length: The point on the ‘*Illuminating Surface*’ which is farthest from the vehicle’s median longitudinal plane shall:
- 7.17.4.3.1. in the case of rear lamps, not be more than 300 mm from the rear of the side of the vehicle on which the lamp is mounted.
- 7.17.4.3.2. in the case of front lamps be within the front third of the vehicle’s length but not forward of a vertical transverse plane through the rearmost point of the driver’s ‘*Seat*’ when in its rearmost normal driving position.
- 7.17.4.3.3. where it would be reasonably impracticable for constructional reasons to comply with the requirements of clauses 7.17.4.3.1. and/or 7.17.4.3.2., the lamps shall be as close as possible to the front and/or rear respectively.
- 7.17.5. Geometric Visibility:
- 7.17.5.1. horizontal angle: from 5° out to 85° out at the front and at the rear.
- 7.17.5.2. vertical Angle: 10° above and below the horizontal. The vertical angle below the horizontal may be reduced to 5°, however, if the height of the lamp is less than 750 mm.
- 7.17.6. Orientation: Outwards.
- 7.17.7. May be grouped with any other lamp;

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- 7.17.8. May be ‘*Combined*’ with a ‘*Front Position (Side) Lamp*’ or a ‘*Rear Position (Side) Lamp*’.
- 7.17.9. May not be ‘*Reciprocally Incorporated*’ with any other lamp.
- 7.17.10. Electrical connections: No special requirement.
- 7.17.11. Tell-tale: Optional. If it exists, its function shall be carried out by the tell-tale required for the ‘*Front Position (Side) Lamps*’ and ‘*Rear Position (Side) Lamps*’.
- 7.17.12. Other Requirements: None.
- 7.18. ‘*END-OUTLINE MARKER LAMP*’
- 7.18.1. Presence
- 7.18.1.1. Optional on vehicles between 1.80 and 2.0 m in width.
- 7.18.2. Number: Two lamps visible from the front and two visible from the rear to ADR 49/...
- 7.18.3. Arrangement: No special requirement.
- 7.18.4. Position:
- 7.18.4.1. in width: Front and rear: The point on the ‘*Illuminating Surface*’ which is farthest from the vehicle’s median longitudinal plane shall not be more than 400 mm from the ‘*Extreme Outer Edge*’ of the vehicle.
- 7.18.4.2. in height:
- 7.18.4.2.1. front: the horizontal plane tangential to the upper edge of the ‘*Illuminating Surface*’ of the device must not be lower than the horizontal plane tangential to the upper edge of the transparent zone of the windscreen.
- 7.18.4.2.2. rear: at the maximum height compatible with the requirements relating to the width, design and operational requirements of the vehicle and to the symmetry of the lamps.
- 7.18.4.3. in length: no special requirement.
- 7.18.4.4. An ‘*End-outline Marker Lamp*’ at or near the front of a motor vehicle may be mounted on an external rear vision mirror or a mirror support provided that no part of the lens of the lamp is visible to the driver when seated in the normal driving position and the mirror is correctly adjusted. The height requirements of clause 7.18.4.2. do not apply to ‘*End-outline Marker Lamps*’ mounted on external rear vision mirrors
- 7.18.5. Geometric Visibility:
- 7.18.5.1. horizontal angle: 80° outwards.
- 7.18.5.2. vertical angle: 5° above and 15° below the horizontal.
- 7.18.6. Orientation: Such that the lamps meet the requirements for visibility forwards and rearwards.
- 7.18.7. May be grouped with any other lamp.
- 7.18.8. May not be ‘*Combined*’ with any other lamp.
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- 7.18.9. May not be ‘*Reciprocally Incorporated*’ with any other lamp.
- 7.18.10. Electrical connections: No special requirement
- 7.18.11. Tell-tale: Optional. If it exists, its function shall be carried out by the tell-tale required for the ‘*Front Position (Side) Lamp(s)*’ and ‘*Rear Position (Side) Lamp(s)*’.
- 7.18.12. Other Requirements:
- 7.18.12.1. Provided that all other requirements are met, the lamp visible from the front and the lamp visible from the rear on the same side of the vehicle may be combined in one device. The position of an ‘*End-outline Marker Lamp*’ in relation to corresponding position (side) lamp shall be such that the distance between the projections on a transverse vertical plane of the points nearest to one another on the ‘*Illuminating Surfaces*’ of the two lamps considered is not less than 200 mm.
- 7.19. ‘*DAYTIME RUNNING LAMP*’
- 7.19.1. For LB1 and LE1:
- 7.19.1.1. Number: One or two to ADR 76/...
- 7.19.1.2. Arrangement: No special requirement.
- 7.19.1.3. Position:
- 7.19.1.3.1. in width:
- 7.19.1.3.1.1. An independent ‘*Daytime Running Lamp*’ may be installed above, below or to one side of another front lamp: If these lamps are one above the other, the reference centre of the ‘*Daytime Running Lamp*’ shall be located within the median longitudinal plane of the vehicle; if these lamps are side by side, the edge of the illuminating surface shall not be more than 250 mm from the median longitudinal plane of the vehicle.
- 7.19.1.3.1.2. a ‘*Daytime Running Lamp*’, that is reciprocally incorporated with another front lamp (driving-beam headlamp or front position lamp), shall be fitted in such a way that the edge of the illuminated surface lies not more than 250 mm from the median longitudinal plane of the vehicle.
- 7.19.1.3.1.3. two ‘*Daytime Running Lamp(s)*’, of which either one or both are reciprocally incorporated with another front lamp, shall be installed in such a way that their reference centres are symmetrical in relation to the median longitudinal plane of the vehicle.
- 7.19.1.3.1.4. in the case of two ‘*Daytime Running Lamp(s)*’, the distance separating the ‘*Illuminating surface(s)*’ shall not exceed 420 mm.
- 7.19.1.3.1.5. The maximum separation distance is not applicable when the ‘*Daytime Running Lamp(s)*’:
- (a) Are grouped, combined or reciprocally incorporated with another headlamp, or
 - (b) Are within the projection of the frontal silhouette of the motorcycle on an orthogonal plane perpendicular to the longitudinal median plane of the vehicle.

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- 7.19.1.3.2. in height: Above the ground not less than 250 mm and not more than 1500 mm.
 - 7.19.1.3.3. in length: At the front of the vehicle.
 - 7.19.1.4. Geometric visibility:
 - 7.19.1.4.1. horizontal angle: outwards 20° and inwards 10°.
 - 7.19.1.4.2. vertical angle: upwards 10° and downwards 10°.
 - 7.19.1.5. Orientation:
 - 7.19.1.5.1. Towards the front. The lamp(s) may move in line with the steering angle.
 - 7.19.2. For LB2 and LE2:
 - 7.19.2.1. Number: Two to ADR 76/...
 - 7.19.2.2. Arrangement: No special requirement.
 - 7.19.2.3. Position:
 - 7.19.2.3.1. in width: the distance between the inner edges of the apparent surfaces in the direction of the reference axes shall not be less than 600 mm.
This distance may be reduced to 400 mm where the overall width of the vehicle is less than 1,300 mm.
 - 7.19.2.3.2. in height: above the ground not less than 250 mm nor more than 1500 mm.
 - 7.19.2.3.3. in length: at the front of the vehicle. This requirement shall be deemed to be satisfied if the light emitted does not cause discomfort to the driver either directly or indirectly through the devices for indirect vision and/or other reflecting surfaces of the vehicle.
 - 7.19.2.4. Geometric visibility:
 - 7.19.2.4.1. horizontal angle: outwards 20° and inwards 20°.
 - 7.19.2.4.2. vertical angle: upwards 10° and downwards 10°.
 - 7.19.2.5. Orientation:
 - 7.19.2.5.1. Towards the front.
 - 7.19.3. For all vehicles:
 - 7.19.3.1. Electrical connections:
 - 7.19.3.1.1. The '*Daytime Running Lamp*' shall switch OFF automatically when the headlamps are switched ON, except when the latter are used to give intermittent luminous warnings at short intervals.

The '*Rear Position (Side) Lamp*' shall be switched ON when the '*Daytime Running Lamp(s)*' is/are switched ON. The '*Front Position (Side) Lamp(s)*' and the '*Rear-Registration-Plate Illuminating Device*' may be switched ON individually or together, when the '*Daytime Running Lamp(s)*' is/are switched ON.
 - 7.19.3.1.2. If the distance between the front '*Direction Indicator Lamp*' and the '*Daytime Running Lamp*' is equal or less than 40 mm, the electrical
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connections of the '*Daytime Running Lamp*' on the relevant side of the vehicle may be such that either:

- (a) It is switched OFF; or
- (b) Its luminous intensity is reduced during the entire period (both ON and OFF cycle) of activation of a front '*Direction Indicator Lamp*'.

7.19.3.1.3. If a '*Direction Indicator Lamp*' is reciprocally incorporated with a '*Daytime Running Lamp*', the electrical connections of the '*Daytime Running Lamp*' on the relevant side of the vehicle shall be such that the '*Daytime Running Lamp*' is switched OFF during the entire period (both ON and OFF cycle) of activation of the '*Direction Indicator Lamp*'.

7.19.3.2. Tell-tale:

7.19.3.2.1. Closed-circuit green tell-tale, optional.

7.19.3.3. Other requirements:

7.19.3.3.1. The DRL symbol in ISO 2575:2004 – Road vehicles. Symbols for controls, indicators and tell-tales, may be used to inform the driver that the '*Daytime Running Lamp*' is on.

COMPILATION NOTES

This compilation of Vehicle Standard (Australian Design Rule 67/00 – Installation of Lighting and Light Signalling Devices on Three-Wheeled Vehicles) 2005 includes all the instruments set out in the Table of Instruments. This vehicle standard is determined under section 12 of the *Roads Vehicle Standards Act 2018*.

The Table of Amendments provides a history of clauses that have been amended, inserted or deleted.

Table of Instruments

Name of Instrument	Registration Date	Commencement Date
Vehicle Standard (Australian Design Rule 67/00 – Installation of Lighting and Light Signalling Devices on Three-Wheeled Vehicles) 2006 (F2006L02310)	21/07/2006	22/07/2006
Vehicle Standard (Australian Design Rule 67/00 – Installation of Lighting and Light Signalling Devices on Three-Wheeled Vehicles) 2006 Amendment 1 (F2017L01494)	17/11/2017	18/11/2017
Vehicle Standard (Australian Design Rule) Lighting Standards Amendment Instrument 2022 (No.1) (F2023L00042)	19/01/2023	20/01/2023

Table of Amendments

Clause affected	How affected	Amending instrument
67.0.	67.0. → 1.	Amendment 1
1.2.	del	<i>Legislation Act 2003</i> – section 48D
1.3.	del	<i>Legislation Act 2003</i> – section 48C
PURPOSE AND SCOPE	del	Amendment 1
2.	ad	Amendment 1
APPLICABILITY AND IMPLEMENTATION	APPLICABILITY AND IMPLEMENTATION → 3.	Amendment 1
3. paragraph one	3. paragraph one → 3.1.	Amendment 1
3. paragraph two	3. paragraph two → 3.2.	Amendment 1
Applicability Table	del	Amendment 1
3.3.	ad	Amendment 1
3.3.	ad	Vehicle Standard (Australian Design Rule) Lighting Standards Amendment Instrument 2022 (No.1)
3.4.	3.3 → 3.4.	Vehicle Standard (Australian Design Rule) Lighting Standards Amendment Instrument 2022 (No.1)

Clause affected	How affected	Amending instrument
3.4.	am	Vehicle Standard (Australian Design Rule) Lighting Standards Amendment Instrument 2022 (No.1)
67.1.7.	del	Amendment 1
67.1.12 – 67.1.18.	del	Amendment 1
67.1.	67.1. → 4.	Amendment 1
4.5. – 4.10.	4.5. – 4.10. → 4.22. – 4.27.	Amendment 1
4.5. – 4.21.	ad	Amendment 1
4.22.	am	Amendment 1
4.22.3. & 4.22.4.	rr	Amendment 1
4.23. & 4.24.	rr	Amendment 1
4.25.	am	Amendment 1
4.27.	4.27. → 4.32.	Amendment 1
4.26. – 4.31.	ad	Amendment 1
67.2.	67.2. → 5.	Amendment 1
67.3.9.2.	del	Amendment 1
67.3.	67.3. → 6.	Amendment 1
6.1. – 6.6.	rr	Amendment 1
6.7.1.	del	Amendment 1
6.7.	am	Amendment 1
6.8. – 6.21.	6.8. – 6.21. → 6.9. – 6.22.	Amendment 1
6.8.	ad	Amendment 1
6.9. & 6.10.	rr	Amendment 1
6.11. – 6.18.	6.11. – 6.18. → 6.13. – 6.20.	Amendment 1
6.11. & 6.12.	ad	Amendment 1
6.14. – 6.21.	rr	Amendment 1
67.4.	67.4. → 7.	Amendment 1
7.1.1.1. – 7.1.1.4.	rr	Amendment 1
7.1.3.1. & 7.1.3.2.	rr	Amendment 1
7.1.5.1.	rr	Amendment 1
7.1.6. – 7.1.10.	rr	Amendment 1
7.2. – 7.7.	rr	Amendment 1
7.7.10. & 7.7.11.	ad	Amendment 1
7.8.	rr	Amendment 1
7.8.7. – 7.8.9.	ad	Amendment 1
7.9. – 7.14.	rr	Amendment 1
7.15. – 7.17.	del	Amendment 1
7.15.	ad	Amendment 1
7.18. – 7.21.	rr	Amendment 1
7.19.	ad	Amendment 1

ad = added or inserted

am = amended

del = deleted or removed

rr = removed and replaced

→ = clause renumbered. This takes the format of old no. → new no.