



# **Vehicle Standard (Australian Design Rule 60/00 – Centre High Mounted Stop Lamp) 2006**

Made under section 12 of the *Road Vehicle Standards Act 2018*

Compilation: 1 (up to and including Vehicle Standard (Australian Design Rule)  
Lighting Standards Amendment Instrument 2022 (No.1)

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Compiled by: Vehicle Safety Policy and Partnerships, Department of Infrastructure,  
Transport, Regional Development, Communications and the Arts

## CONTENTS

A.	LEGISLATIVE PROVISIONS.....	3
B.	FUNCTION AND SCOPE.....	3
C.	APPLICABILITY AND IMPLEMENTATION.....	3
60.1.	DEFINITIONS .....	4
PART I PHOTOMETRIC REQUIREMENTS .....		4
60.2.	SPECIFICATION .....	4
60.3.	LIGHT TABLES.....	5
PART II INSTALLATION .....		6
60.4.	SPECIFICATION .....	6
60.5.	ALTERNATIVE STANDARDS .....	6
COMPILATION NOTES.....		7

**A. LEGISLATIVE PROVISIONS****A.1. NAME OF STANDARD**

- A.1.1. This Standard is the Vehicle Standard (Australian Design Rule 60/00 – Centre High Mounted Stop Lamp) 2006.
- A.1.2. This Standard may also be cited as Australian Design Rule 60/00 — Centre High Mounted Stop Lamp.

**B. FUNCTION AND SCOPE**

The function of this Australian Design Rule is to specify requirements for a supplementary ‘Centre High-mounted Stop Lamp’ on the rear of the vehicle, to provide an additional indication to other road users to the rear of the vehicle that the driver of the vehicle is applying the service brakes.

**C. APPLICABILITY AND IMPLEMENTATION****C.1. Applicability Summary**

- C.1.1. This ADR applies to the design and construction of vehicles as set out in the table below.
- C.1.2. Those vehicles must be equipped with a ‘*Centre High-mounted Stop Lamp*’ complying with the relevant requirements of this National Standard.
- C.1.3. Vehicles complying with the requirements for S3 category stop lamps in ADR 49/00, installed in accordance with the requirements for S3 category stop lamps in ADR 13/00 need not comply with this national standard.

## C.2. Applicability Table

Vehicle Category	ADR Category Code*	UN Category Code*	Manufactured on or After	Acceptable Prior Rules
Moped 2 wheels	LA	L1	Not Applicable	
Moped 3 wheels	LB	L2	Not Applicable	
Motor cycle	LC	L3	Not Applicable	
Motor cycle and sidecar	LD	L4	Not Applicable	
Motor tricycle	LE	L5		
	LEM		Not Applicable	
enclosed vehicles	LEP		1 March 1991	Nil
all vehicles	LEP		1 July 1992	Nil
	LEG		Not Applicable	
Passenger car	MA	M1	1 July 1989	Nil
Forward-control passenger vehicle	MB	M1	1 July 1996	Nil
Off-road passenger vehicle	MC	M1	1 July 1996	Nil
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	

**60.1. DEFINITIONS**

- 60.1.1. Refer to Vehicle Standard (Australian Design Rule Definitions and Vehicle Categories) 2005.

**PART I PHOTOMETRIC REQUIREMENTS****60.2. SPECIFICATION**

- 60.2.1. Colour of light emitted: Red to SAE document J578c, February, 1977 "Color Specification for Electric Signal Lighting Devices", or as specified in clause 60.3.2.
- 60.2.2. Intensity of light emitted
- 60.2.2.1. Minimum:
- In each direction corresponding to the points in the light distribution table of clause 60.3.1, the luminous intensity must be not less than the figure specified in the table for the direction in question.

\* The category code may also be in the format L<sub>1</sub>, L<sub>A</sub> etc.

**60.2.2.2. Maximum: 160 cd in any direction.**

The luminous intensity must not exceed this maximum over an area larger than that generated by a  $0.25^\circ$  radius within a solid cone angle from 10L to 10R and from 10U to 5D.

**60.2.3. Minimum angles of light distribution referred to the reference axis****60.2.3.1. Vertical: from  $10^\circ$  above to  $5^\circ$  below the horizontal.****60.2.3.2. Horizontal: from  $10^\circ$  to the left to  $10^\circ$  to the right.****60.2.4. Other Requirements**

Each lamp must:-

**60.2.4.1. have an effective projected luminous area not less than 29 square centimetres;****60.2.4.2. not contain symbols, letters or characters other than those necessary for part number, manufacturer's identification and/or approval number identification;****60.2.4.3. provide access for convenient replacement of the globe without the use of special tools;****60.2.4.4. provide a steady warning light;****60.2.4.5. except as provided in clauses 60.2.1 to 60.2.4.2, be designed to conform to the relevant requirements of clauses 1 to 3 of SAE document J186a, September, 1977 "Supplemental High Mounted Stop and Rear Turn Signal Lamps", except that:****60.2.4.5.1. Table 1 of that SAE document is replaced by the light distribution table of clause 60.3.1;****60.2.4.5.2. lamps designed solely for mounting inside the vehicle need not meet the requirements of paragraphs 3.1.6 Moisture Test; 3.1.7 Dust Test; and 3.1.8 Corrosion Test of that SAE document.****60.3. LIGHT TABLES****60.3.1. Table of Minimum Light Distribution (in candela, for degrees of angle)**

10U	8			16			8
5U	16	25		25	25		16
V	16	25		25	25		16
5D	16	25		25	25		16
	10L	5L		H	5R		10R

**60.3.2. Colour of light trichromatic co-ordinates****60.3.2.1. Red:**

limit towards yellow:  $y \leq 0.335$

limit towards purple:  $z \leq 0.008$

**60.3.2.2. For verifying the limits above, a source of light at a colour temperature of 2856K (illuminant A of the International Commission of Illumination (CIE)), in combination with appropriate filters, may be used.**

## **PART II INSTALLATION**

### **60.4. SPECIFICATION**

- 60.4.1. Presence Mandatory.
- 60.4.2. Number One.
- 60.4.3. Arrangement No special requirement.
- 60.4.4. Position
  - 60.4.4.1. In width: on the vehicle's median longitudinal plane.
  - 60.4.4.2. In height: at any position including on the glazing, except that no portion of the lens must be lower than the bottom edge of the rear window by more than:
    - 60.4.4.2.1. 152 mm for convertibles;
    - 60.4.4.2.2. 77 mm for other vehicles.
- 60.4.5. Geometric visibility
  - 60.4.5.1. The reference axis of the lamp when fitted to the vehicle must be parallel to the bearing plane of the vehicle on the road and lie in the median longitudinal plane of the vehicle.
    - 60.4.5.1.1. Vertical: from 10° above to 5° below the horizontal.
    - 60.4.5.1.2. Horizontal: from 10° to the left to 10° to the right.
- 60.4.6. Orientation Rearwards.
- 60.4.7. May not be "grouped" with any other lamp.
- 60.4.8. May not be "combined" with any other lamp or reflective device.
- 60.4.9. May not be "reciprocally incorporated" with any other lamp.
- 60.4.10. Electrical Operation shall be activated upon and only upon application of the service brakes.
- 60.4.11. Tell-tale Optional.
- 60.4.12. Other requirements

If the lamp is mounted inside the vehicle, it must be shrouded to the glass or other means must be provided to minimise reflections from the light of the lamp upon the rear window glazing that might be visible to the driver when viewed directly, or indirectly, in the rear vision mirror.

### **60.5. ALTERNATIVE STANDARDS**

- 60.5.1. The technical requirements of FMVSS 108 "Lamps, reflective devices, and associated equipment" or "High-mounted Stop Lamp" are deemed to be equivalent to the technical requirements of this rule.
- 60.5.2. The technical requirements of Category S3 stop lamps of United Nations Regulation 7/02 read with supplement 2 to the 02 series of amendments and installed in accordance with United Nations Regulation 48/01.

## COMPILATION NOTES

This compilation of Vehicle Standard (Australian Design Rule 60/00 – Centre High Mounted Stop Lamp) 2006 includes all the instruments set out in the Table of Instruments. This vehicle standard is determined under section 12 of the *Road 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 1/00 – Reversing lamp) 2006 (F2006L02300)	05/07/2006	05/07/2006
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
A.2.	del	<i>Legislation Act 2003</i> – section 48D
A.3.	del	<i>Legislation Act 2003</i> – section 48C
C.2.	am	Vehicle Standard (Australian Design Rule) Lighting Standards Amendment Instrument 2022 (No.1)
60.5.2.	am	Vehicle Standard (Australian Design Rule) Lighting Standards Amendment Instrument 2022 (No.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.