

Correct as at 25th April 2026. It may be superseded at any time.

Extract taken from: Entry certification > Inspection and certification > Lighting > Introduction

Introduction

For all types of lamps covered in section 4, as at 19 December 2003, the following brand names of manufacturers of lights fitted as original equipment (OE) at the time of manufacture to Japanese domestic vehicles are recognised as meeting the relevant Japanese technical standards (TS):

• Aoki Seisakusyo Co Ltd	• IKI	• Oshima Electric Words Co Ltd (OEW)
• Bosch K.K.	• Iwaki Glass Co Ltd	• Stanley Electric Co Ltd
• Cateye Co Ltd	• Joto Kogyo Co Ltd	• SYS Metal Product Corp
• Ichikoh Industries Ltd	• Knight Beam Co Ltd	• Tokai Denso Co Ltd
• Imasen Electric Industrial Co Ltd	• Koito Manufacturing Co Ltd	• Toshiba Lighting and Technology Corp
• IPF Corporation	• Life Elex Inc	• Totyo Industry Co Ltd

All the lighting components must meet approved standards listed in Table 4-0-1.

The lighting installation standards, listed in Table 4-0-2, set out the lighting requirements for the vehicle as a whole. All the lighting components must meet approved standards. All vehicles manufactured on or after 27 February 2005 must meet one of these approved installation standards (or a more recent version). See also Figure 4-0-1.

OR

All the fitting requirements in the following sections of the [Land Transport Rule: Vehicle Lighting 2004](#):

- Section 3.3 (headlamps)
- Section 4.3 (stop lamps)
- Section 5.3 (high-mounted stop lamps)
- Section 6.3 (direction indicator lamps)
- Section 7.3 (forward-facing position lamps)
- Section 7.4 (rearward-facing position lamps)
- Section 7.5 (side-marker lamps)
- Section 7.6 (end-outline marker lamps)

- Section 8.3 (registration plate illumination lamps)
- Section 9.3 (retroreflectors and retroreflective material)

These sections specify the fitting and visibility requirements for these lamps. This information is in the [VIRM: In-service certification](#)

If a vehicle is fitted with OE lights that exceed the amount permitted in the [Land Transport Rule: Vehicle Lighting 2004](#), it may be certified if it was manufactured to comply with an approved installation standard.

Historic or Vintage vehicles that require a lighting endorsement for Entry requires the vehicle to have a valid Vehicle Identity Card before the vehicle can be accepted. The Historic Motor Vehicle Authority won't issue a Vehicle Identity Card until the vehicle is registered.

However, the Historic Vehicle Authority of New Zealand will issue a Historic Motor Vehicle Date of Manufacture and Authenticity Statement (DOMAS). This document identifies the vehicle and endorsements.

The DOMAS document can be used to satisfy the Vehicle Identity Card requirement for entry lighting endorsements provided that:

- a) It is on the Historic Vehicle Authority of New Zealand letterhead
- b) It identifies the vehicle
- c) It identifies the appropriate lighting equipment endorsements that will be displayed on the Vehicle Identity Card when issued, and
- d) It is signed and dated.

Table 4-0-1. List of approved standards for lighting and signalling components

New UN/ECE Regulations 148, 149, 150 have been introduced for lighting standards, which amend and replace or incorporate a number of the older Regulations.

While the [Land Transport Rule: Vehicle Lighting 2004](#) is yet to be updated, these new Regulations are accepted by NZTA as alternatives (Note 1) to many UN/ECE Regulations below (such as 4, 6, 7) which are currently incorporated in the Rule.

	UN-ECE Regulation no.	EEC/EC Directive	FMVSS	ADR	Japan
Headlamps	1 31 82	76/761	108	46	JIS D5500
	5 56 98	89/517		54	JIS D5504
	8 57 112	99/17		55	TS for headlamps
	20 72 113			77	Article 32
	76 123				
149					
Front fog lamps	19	76/762	108	50	JIS D5500
	149	99/18			TS for front fog lamps Article 33
Daytime running lamps	87		108	45	
	148			76	
Forward-facing position lamps	7	76/758	108	49	TS for clearance lamps
	50	89/516		53	TS for front end-outline marker lamps
	148	97/30			TS for front and rear position lamps JIS D5500 Article 34

	UN-ECE Regulation no.	EEC/EC Directive	FMVSS	ADR	Japan
Rearward-facing position lamps	7 50 148	76/758 89/516 97/30	108	49 53	TS for front and rear position lamps TS for tail lamps TS for rear end-outline marker lamps JIS D5500 Article 34
Rearward-facing retroreflectors	3 150	76/757 87/354 97/29	108	47	TS for rear reflex reflectors TS for large-sized rear reflex reflectors JIS D5500 Article 38
Direction indicator lamps	6 50 148	76/759 89/277 99/15	108	6 53	TS for direction indicator lamps JIS D5500 Article 41
Stop lamps	7 50 148	76/758 89/516 97/30	108	49 53	TS for stop lamps JIS D5500 Article 39
High-mounted stop lamps	7 148	76/758 89/516 97/30	108	60, or 49	TS for auxiliary stop lamps JIS D5500 Article 39

	UN-ECE Regulation no.	EEC/EC Directive	FMVSS	ADR	Japan
Registration plate lamps	4 50 148	76/760 97/31	108	48 53	TS for number plate lamps JIS D5500 Article 36
Reversing lamps	23 148	77/539 97/32	108	1	TS for back-up lamps JIS D5500 Article 40
Rear fog lamps	38 148	77/538	108	52	JIS D5500 TS for rear fog lamps Article 37
Retroreflective material	104 150		108		
Side-marker lamps	91 148	76/758 89/516 97/30	108	45 74	JIS D5500 TS for side-marker lamps Article 35
End-outline marker lamps	7 148	76/758 89/516 97/30	108	49	JIS D5500 TS for front end-outline marker lamps TS for rear end-outline marker lamps Article 37

Note: if a scratch-built or replica vehicle is presented for entry certification, ensure that the F001 includes a reference to the relevant lighting standards.

Note 1

New UN/ECE regulations can be accepted as alternatives to a number of older Regulations.


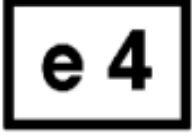
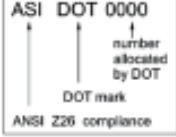

The new regulations are the outcome of the World Forum for Harmonization of Vehicle Regulations (WP.29) decision to simplify the lighting and light-signalling Regulations based on the initial proposal by the European Union and Japan.

New UN/ECE Regulation	Combines previous UN Regulations	Uniform provisions concerning
148	4, 6, 7, 23, 38, 50, 77, 87 and 91	The approval of light-signalling devices (lamps) for power-driven vehicles and their trailers.
149	19, 98, 112, 113, 119 and 123	The approval of road illumination devices (lamps) and systems for power-driven vehicles.
150	3, 27, 69, 70 and 104	The approval of retro-reflective devices and markings for power-driven vehicles and their trailers.

Table 4-0-2. Approved standards for installation of lighting and signalling

	UN-ECE Regulation no	EEC/EC Directive	FMVSS	ADR	Japan
Installation of lighting equipment	48 74	76/756 93/92	108	13	Safety Regulations for Road Vehicles, chapter II Article 32–42 Technical Standard (TS) Attachment 52
	53 86	80/233 82/244		19	
		83/276 84/8			
		89/278 91/663			
		97/28 2000/73			
		78/933 2007/35			
		2008/89			

Figure 4-0-1. Approved lighting and signalling standards markings

 <p>Economic Commission for Europe (ECE)</p>	 <p>European Economic Commission (EEC)</p>	 <p>Federal Motor Vehicle Safety Standards (FMVSS)</p>	 <p>Japanese Industrial Standards</p>
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Page amended 10 December 2023 (see [amendment details](#)).