

Correct as at 27th June 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 It may be superseded at any time.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):

<ul style="list-style-type: none"> <li>• Aoki Seisakusyo Co Ltd</li> </ul>	<ul style="list-style-type: none"> <li>• IKI</li> </ul>	<ul style="list-style-type: none"> <li>• Oshima Electric Words Co Ltd (OEW)</li> </ul>
<ul style="list-style-type: none"> <li>• Bosch K.K.</li> </ul>	<ul style="list-style-type: none"> <li>• Iwaki Glass Co Ltd</li> </ul>	<ul style="list-style-type: none"> <li>• Stanley Electric Co Ltd</li> </ul>
<ul style="list-style-type: none"> <li>• Cateye Co Ltd</li> </ul>	<ul style="list-style-type: none"> <li>• Joto Kogyo Co Ltd</li> </ul>	<ul style="list-style-type: none"> <li>• SYS Metal Product Corp</li> </ul>
<ul style="list-style-type: none"> <li>• Ichikoh Industries Ltd</li> </ul>	<ul style="list-style-type: none"> <li>• Knight Beam Co Ltd</li> </ul>	<ul style="list-style-type: none"> <li>• Tokai Denso Co Ltd</li> </ul>
<ul style="list-style-type: none"> <li>• Imasen Electric Industrial Co Ltd</li> </ul>	<ul style="list-style-type: none"> <li>• Koito Manufacturing Co Ltd</li> </ul>	<ul style="list-style-type: none"> <li>• Toshiba Lighting and Technology Corp</li> </ul>
<ul style="list-style-type: none"> <li>• IPF Corporation</li> </ul>	<ul style="list-style-type: none"> <li>• Life Elex Inc</li> </ul>	<ul style="list-style-type: none"> <li>• Totyo Industry Co Ltd</li> </ul>

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.

	<b>UN-ECE Regulation no.</b>	<b>EEC/EC Directive</b>	<b>FMVSS</b>	<b>ADR</b>	<b>Japan</b>
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.


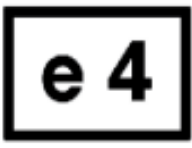
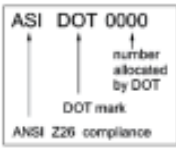

The new regulations are the outcome of the World Forum for Harmonization of Vehicle Regulations (WP.29) decision to simplify the lighting and light-signalling Regulations based on the initial proposal by the European Union and Japan.

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

	<b>UN-ECE Regulation no</b>	<b>EEC/EC Directive</b>	<b>FMVSS</b>	<b>ADR</b>	<b>Japan</b>
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](#)).