

Correct as at 7th June 2026. It may be superseded at any time.

Extract taken from: In-service certification (WoF and CoF) > Forklifts > Lighting > End-outline marker lamps

## 4-9 End-outline marker lamps

### Reasons for rejection

#### Mandatory, permitted and prohibited equipment

1. A vehicle listed in Table 4-9-1:
  - a) is not fitted with lamps required in Table 4-9-1, or
  - b) is fitted with lamps that exceed the numbers permitted in Table 4-9-1.
2. A vehicle not listed in Table 4-9-1 is fitted with end-outline marker lamps.
3. An end-outline marker lamp is so positioned that it does not indicate the dimensions of the vehicle.

#### Condition

4. A lamp is insecure.
5. A lens is missing or has a hole, crack or other damage that allows moisture or dirt to enter.
6. A reflector is damaged or has deteriorated so that light output is reduced.
7. A mandatory lamp is obscured.

#### Performance

8. When switched on, a mandatory lamp does not operate.
9. When switched on, a lamp emits a light that is not:
  - a) substantially red to the rear, or
  - b) substantially white or amber to the front, or
  - c) diffuse, or
  - d) steady, or
  - e) bright enough to be visible from 100m in normal daylight and 200m in normal darkness, eg due to modification, deterioration, dirt or an incorrect light source.
9. Where a lamp comprises an array of light sources (eg LEDs), fewer than 75% of these operate.

#### Note 1 Definitions

**End-outline marker lamp** means a position lamp designed to be fitted near the outer extremity of a vehicle in addition to forward-facing and rearward-facing position lamps, and includes a cab roof lamp.

**Position lamp** means a low-intensity lamp that is designed to indicate to road users the presence and dimensions of a vehicle, being:

- a) a forward-facing position lamp (front side lamp), or
- b) a rearward-facing position lamp (rear side lamp or tail lamp), or
- c) a side-marker lamp, or
- d) an end-outline marker lamp (including cab roof lamp).

**Note 2**

A permitted end-outline marker lamp that does not comply with equipment, condition and performance requirements must be made to comply or be disabled so that it does not emit a light.

**Table 4-9-1. Fitting requirements for end-outline marker lamps**

If the vehicle was:	Row	Characteristics of the heavy vehicle	Front		Rear
			Mandatory lamps <sup>3</sup>	Maximum permitted lamps <sup>1</sup>	Maximum permitted lamps <sup>2</sup>
Vehicle manufactured before 1/4/2011 <sup>3</sup>	A	<ul style="list-style-type: none"> <li>• A vehicle with a GVM exceeding 11,300 kg</li> <li>• A vehicle with a towing connection where the vehicle combination is likely to have a total length exceeding 9.2m</li> </ul>	2	12  (No Limit if first registered before 27/2/2005)	6
	B	A vehicle with an overall width of 1.8 m or more (other than a vehicle in row A)	Not required	6	4
Vehicle manufactured from 1/4/2011	C	A vehicle with an overall width exceeding 2.1m and with a GVM or GCM exceeding 12,000kg	2	12	6
	D	A vehicle with an overall width exceeding 2.1m (other than a vehicle in row C)	2	6	4
	E	A vehicle with an overall width of 1.8 m or more (other than a vehicle in row C or D).	Not required	6	4

<sup>1</sup> Maximum permitted lamps are the maximum number of lamps allowed to be fitted, including mandatory lamps.

<sup>2</sup> A vehicle manufactured before 1/4/2011 also has the option of complying with the requirements applicable to vehicles manufactured from 1/4/2011.

<sup>3</sup> Mandatory lamps must be positioned at a height no lower than the top edge of the windscreen.

## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Vehicle Lighting 2004](#).

Mandatory, permitted and prohibited equipment

1. A vehicle in Table 4-9-1 must or may be fitted with end-outline marker lamps as specified in the table.
2. A vehicle not listed in Table 4-9-1 must not be fitted with end-outline marker lamps.
3. The position of the lamps must be such that it gives an indication of the vehicle's dimensions.

### Condition

4. A end-outline marker lamp must be:
  - a) in good condition, and
  - b) not obscured (if a mandatory lamp).

### Performance

5. An end-outline marker lamp must operate in a way that is appropriate for the lamp and the vehicle.
6. Cab roof lamps must emit a light that is visible from 100m in normal daylight and from 200 in normal darkness.
7. A lamp must emit a light that is diffuse and substantially red to the rear and white or amber to the front.
8. A lamp must provide sufficient light output so that the vehicle's dimensions are easily indicated to other road users.
9. Where an end-outline marker lamp comprises an array of light sources (eg LEDs), at least 75% of these must operate.