

Correct as at 27th 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 It may be superseded at any time.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 ³	Maximum permitted lamps ¹	Maximum permitted lamps ²
Vehicle manufactured before 1/4/2011 ³	A	<ul style="list-style-type: none"> • A vehicle with a GVM exceeding 11,300 kg • A vehicle with a towing connection where the vehicle combination is likely to have a total length exceeding 9.2m 	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

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

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

³ 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.