II

(Acts whose publication is not obligatory)

COMMISSION

COMMISSION DIRECTIVE

of 1 August 1989

adapting to technical progress Council Directive 76/758/EEC on the approximation of the laws of the Member States relating to the end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps for motor vehicles and their trailers

(89/516/EEC)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community,

Having regard to Council Directive 70/156/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the type-approval of motor vehicles and their trailers (1), as last amended by Directive 87/403/EEC (2), and in particular Article 11 thereof,

Having regard to Council Directive 76/758/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to the end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps for motor vehicles and their trailers (3), as last amended by Directive 87/354/EEC (4), and in particular Article 10 thereof,

Whereas, in the light of experience, it is now possible to simplify the EEC component type-approval mark for lamps of this type when these are grouped together with, combined with or reciprocally incorporated in other lamps, and to amend certain provisions to take account of the technical progress made in the meantime;.

Whereas the measures provided for in this Directive are in accordance with the opinion of the Committee for the Adaptation to Technical Progress of Directives on the Removal of Technical Barriers to Trade in the Motor Vehicles Sector,

(1) OJ No L 42, 23. 2. 1970, p. 1.
(2) OJ No L 220, 8. 8. 1987, p. 44.
(4) OJ No L 262, 27. 9. 1976, p. 54.
(4) OJ No L 192, 11. 7. 1987, p. 43.

HAS ADOPTED THIS DIRECTIVE:

Article 1

The list of Annexes and Annexes 0, I, II and III to Directive 76/758/EEC are hereby amended as set out in the Annex to this Directive.

Article 2

1. With effect from 1 January 1990, no Member State may:

(a) — refuse, in respect of a type of motor vehicle, to grant EEC type-approval, to issue the document referred to in the third indent of Article 10 (1) of Directive 70/156/EEC, or to grant national type-approval, or

— prohibit the entry into service of the vehicles,

if the end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps comply with the provisions of this Directive;

(b) — refuse, in respect of a type of end-outline marker lamp, front position (side) lamp, rear position (side) lamp and stop lamp, to grant EEC component type-approval or national type-approval, if these end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps comply with the provisions of this Directive, or

— prohibit the placing on the market of end-outline marker lamps, front position (side) lamps, rear

position (side) lamps and stop lamps which bear the EEC component type-approval mark issued in accordance with the requirements of this Directive.

2. With effect from 1 July 1990 a Member State:

(a) — shall not issue the document referred to in the third indent of Article 10 (1) of Directive 70/156/EEC in respect of a type of vehicle of which the end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps do not comply with the provisions of this Directive,

— may refuse to grant national type-approval in respect of a type of vehicle of which the end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps do not comply with the provisions of this Directive;

(b) — shall not grant EEC component type-approval in respect of a type of end-outline marker lamp, front position (side) lamp, rear position (side) lamp and stop lamp if the latter does not comply with the provisions of this Directive,

— may refuse to grant national component type-approval in respect of a type of end-outline marker lamp, front position (side) lamp, rear positon (side) lamp and stop lamp if the latter does not comply with the provisions of this Directive.

3. With effect from 1 October 1995, Member States may prohibit the entry into service of vehicles of which the end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps do not comply with the provisions of this Directive and the placing on the market of those lamps which do not bear the component type-approval mark issued in accordance with the requirements of this Directive.

4. By way of derogation from the provisions of 2 (b) above, Member States shall continue to recognize EEC component type-approval granted for a type of end-outline marker lamp, front position (side) lamp, rear position (side) lamp or stop lamp pursuant to the provisions of Directive 76/758/EEC in the case of devices intended to be mounted on vehicles already in service, and may also grant EEC component type-approval for a type of end-outline marker lamp, front position (side) lamp, rear position (side) lamp or stop lamp pursuant to the provisions of Directive 76/758/EEC provided that such devices are intended to be used as replacement parts for vehicles already in service and it is not technically possible for the said devices to comply with the provisions of this Directive.

Article 3

Member States shall bring into force the provisions necessary to comply with this Directive not later than 31 December 1989. They shall forthwith inform the Commission thereof.

The provisions adopted pursuant to the first subparagraph shall make express reference to this Directive.

Article 4

This Directive is addressed to the Member States.

Done at Brussels, 1 August 1989.

For the Commission
Martin BANGEMANN
Vice-President

ANNEX

The list of Annexes is modified as follows:

The text of Annex I is replaced by the following text:

'— Front position (side) lamps, rear position (side) lamps, stop lamps and end-outline marker lamps; minimum angles required for the light distribution in space'

The text of Annex 0 is modified as follows:

Item 1.4 is deleted:

Items 1.4.1, 1.4.2, 1.4.3, 1.5 and 1.6 are deleted

Insert new items 1.4 and 1.5 as follows:

'1.4. **Definition of terms**

The definitions contained in Directive 76/756/EEC relating to:

— light source (for filament lamps),

— independent lamps,

— grouped lamps,

— combined lamps,

— reciprocally incorporated lamps,

— device,

— single-function lamps

— single lamps

— two lamps or an even number of lamps,

— light emitting surface,

— illuminating surface of a light-signalling device other than a reflex reflector,

— apparent surface,

— axis of reference,

— centre of reference,

apply to this Directive.

1.5. **Front and rear position (side) lamp, stop lamp and end-outline marker lamp of different types**

"Front and rear position (side) lamp, stop lamp and end-outline marker lamp of different types" means lamps which differ in each said category in such essential respects as:

— the trade name or mark,

— the characteristics of the optical system, (levels of intensity, light distribution angles, type of filament lamp, etc.),

— the system used to reduce illumination at night — in the case of stop lamps with two levels of intensity.'

Item 5.5., read:

'5.5. Front and rear position (side) lamps which are grouped or combined or reciprocally incorporated may also be used as end-outline marker lamps.'

Items 6 to 9 are replaced by the following items:

'6. INTENSITY OF LIGHT EMITTED

6.1. In the reference axis, the light emitted by each of the two devices supplied must be of not less than the minimum intensity and of not more than the maximum intensity specified below:

	(1)	Minimum intensities cd	Maximum values in cd when used as		
			Single-function lamp	Single function lamp marked "D" (Annex III item 4.3.6)	Total for the assembly of two lamps (Annex III item 4.3.6)
6.1.1.	Front position (side) lamps, front end-outline marker lamp	4	60 (2)	42 (2)	84 (2)
6.1.2.	Front position (side) lamps incorporated in headlamp	4	100 (2)	—	—
6.1.3.	Rear position (side) lamps, rear end-outline marker lamp	4	12 (2)	8,5 (2)	17 (2)
6.1.4.	Stop lamps				
6.1.4.1.	with 1 level of intensity	40	100 (2)	70 (2)	140 (2)
6.1.4.2.	with 2 levels of intensity				
6.1.4.2.1.	by day	130	520 (2)	364 (2)	728 (2)
6.1.4.2.2.	by night	30	80 (2)	56 (2)	112 (2)

(1) The installation of the devices referred to above in power-driven vehicles and their trailers is provided for in the Directive concerning the installation of lighting and light-signalling devices (Directive 76/756/EEC).

(2) The total value of maximum intensity for an assembly of two lamps is given by multiplying by 1.4 the value prescribed for a single-function lamp.
When two single-function lamps having the same function, whether identical or not, are grouped in one device such that the projections of the illuminating surfaces of those single-function lamps on a vertical plane perpendicular to the vehicle's median longitudinal plane occupy not less than 60 % of the smallest rectangle circumscribing the projections of the said illuminating surfaces, such an assembly shall be deemed to be a single lamp for the purpose of installation of a vehicle. In such a case, each single-function lamp shall comply with the minimum intensity required, the admissible maximum intensity shall not be exceeded by both lamps together (last column of the table).
In the case of a single-function lamp containing more than one light source:
The lamp shall comply with the minimum intensity required when any one light source has failed, and when all light sources are illuminated the maximum intensity specified for a single-function lamp may be exceeded, provided that the single-function lamp is not marked "D" and the maximum intensity specified for an assembly of two lamps (last column of the table) is not exceeded.

6.2. Outside the reference axis and within the angular fields defined in the diagrams in Annex I the intensity of the light emitted by each of the two devices supplied must:

6.2.1. in each direction corresponding to the points in the light distribution table reproduced in Annex IV, be not less than the product of the minimum specified in paragraph 6.1 above by the percentage specified in the said table for the direction in question;

6.2.2. in no direction within the space from which the light-signalling device is visible, exceed the maximum specified in paragraph 6.1 above;

6.2.3. however, a luminous intensity of 60 cd shall be permitted for rear position (side) lamps reciprocally incorporated with stop lamps (see paragraph 6.1.3 above) below a plane forming an angle of 5° with and downward from the horizontal plane;

6.2.4. Moreover,

6.2.4.1. throughout the fields defined in the diagrams in Annex I, the intensity of the light emitted must be not less than 0,05 cd for front and rear position (side) lamps and end-outline marker lamps, not less than 0,3 cd for stop lamps with one level of intensity, and for stop lamps with two levels of intensity 0,3 cd by day and 0,07 cd by night.

6.2.4.2. if a rear position (side) lamp is reciprocally incorporated with a stop lamp, the ratio between the luminous intensities actually measured of the two lamps when turned on simultaneously and the intensity of the rear position (side) lamp when turned on alone should be at least 5:1 in the field delimited by the straight horizontal lines passing through ± 5° V and the straight vertical lines passing through ± 10° H of the light distribution table. Where a stop lamp has two levels of intensity this requirement must be met when the night-time use facility is actuated.

6.2.4.3. the provisions of paragraph 2.2 of Annex IV on local variations of intensity must be observed.

6.3. the intensities shall be measured while the filament lamp(s) continuously alight. In the case of devices emitting selective-yellow or red light, they shall be measured in coloured light.

6.4. In the case of a stop lamp providing two levels of intensity the time that elapses between electrical supply being switched on and the light output measured on the reference axis to reach 90 % of the value measured in accordance with paragraph 6.3 above shall be measured for both the day and the night conditions of use. The time measured for the night conditions of use shall not exceed that measured for the day conditions of use.

6.5. Annex IV, to which reference is made in paragraph 6.2.1 above, gives particulars of the methods of measurement to be used.

7. TEST PROCEDURE

7.1. All measurements shall be made with a white standard filament lamp of the category prescribed for the device, the supply voltage being so regulated as to produce the nominal luminous flux prescribed for that category of lamp.

7.2. However, in the case of a stop lamp for which an additional system is used to obtain the night-time intensity, the voltage applied to the system for measuring the night-time intensity shall be that which was applied to the filament lamp for measuring the daytime intensity (1).

7.3. Where a rear position (side) lamp is reciprocally incorporated with a dual-intensity stop lamp and is designed to operate permanently with an additional system to regulate the intensity of the light emitted, measurement of the light emitted shall be performed with the same voltage applied to the system as would, if applied to the filament lamp, enable the lamp to produce the prescribed normal luminous flux.

7.4. The vertical and horizontal outlines of the illuminating surface of a light-signalling device other than a reflex reflector shall be determined and measured in relation to the centre of reference.

8. COLOUR OF LIGHT EMITTED

The colour of the light emitted shall be within the limits of the coordinates prescribed for the colour in question in Annex V to this Directive.

9. CONFORMITY OF PRODUCTION

Every device bearing an EEC component type-approval mark must conform to the approved type and comply with the photometric conditions specified in sections 6 and 8. Nevertheless, in the case of a device picked at random from series production, the requirements as to minimum intensity of the light emitted (measured with a standard filament lamp as referred to in section 7) may be limited in each direction to 80 % of the minimum values specified in 6.1 and 6.2.

(1) The functioning and installation conditions of these additional systems will be defined by special provisions.'

Annex I is modified as follows:

Title, read:

'FRONT POSITION (SIDE) LAMPS, REAR POSITION (SIDE) LAMPS, STOP LAMPS AND END-OUTLINE MARKER LAMPS
MINIMUM ANGLES REQUIRED FOR THE LIGHT DISTRIBUTION IN SPACE (*)'

'end outline marker lamps' is to be added after 'front position (side) lamps' and 'near position (side) lamps' in the titles for the first two diagrams.

Annex II is replaced as follows:

'ANNEX II

MODEL EEC COMPONENT TYPE-APPROVAL CERTIFICATE

(Maximum format: A 4 (210 × 297 mm))

Name of administration

Notification concerning the granting, refusal or withdrawal of EEC component type-approval, or the granting, refusal or withdrawal of an extension of EEC component type-approval for a type of end-outline marker lamp, front position (side) lamp, rear position (side) lamp or stop lamp

Component type-approval No .....