

ARCHIVES HISTORIQUES DE LA COMMISSION

COLLECTION RELIEE DES
DOCUMENTS "COM"

COM (76)697

Vol. 1976/0207

Disclaimer

Conformément au règlement (CEE, Euratom) n° 354/83 du Conseil du 1er février 1983 concernant l'ouverture au public des archives historiques de la Communauté économique européenne et de la Communauté européenne de l'énergie atomique (JO L 43 du 15.2.1983, p. 1), tel que modifié par le règlement (CE, Euratom) n° 1700/2003 du 22 septembre 2003 (JO L 243 du 27.9.2003, p. 1), ce dossier est ouvert au public. Le cas échéant, les documents classifiés présents dans ce dossier ont été déclassifiés conformément à l'article 5 dudit règlement.

In accordance with Council Regulation (EEC, Euratom) No 354/83 of 1 February 1983 concerning the opening to the public of the historical archives of the European Economic Community and the European Atomic Energy Community (OJ L 43, 15.2.1983, p. 1), as amended by Regulation (EC, Euratom) No 1700/2003 of 22 September 2003 (OJ L 243, 27.9.2003, p. 1), this file is open to the public. Where necessary, classified documents in this file have been declassified in conformity with Article 5 of the aforementioned regulation.

In Übereinstimmung mit der Verordnung (EWG, Euratom) Nr. 354/83 des Rates vom 1. Februar 1983 über die Freigabe der historischen Archive der Europäischen Wirtschaftsgemeinschaft und der Europäischen Atomgemeinschaft (ABl. L 43 vom 15.2.1983, S. 1), geändert durch die Verordnung (EG, Euratom) Nr. 1700/2003 vom 22. September 2003 (ABl. L 243 vom 27.9.2003, S. 1), ist diese Datei der Öffentlichkeit zugänglich. Soweit erforderlich, wurden die Verschlussachen in dieser Datei in Übereinstimmung mit Artikel 5 der genannten Verordnung freigegeben.

COMMISSION OF THE EUROPEAN COMMUNITIES

COM(76) 697 final

Brussels, 23 December 1976

PROPOSAL FOR A COUNCIL DIRECTIVE

on the approximation of the laws
of the Member States relating to
rear fog lamps for motor vehicles
and their trailers

PROPOSAL FOR A COUNCIL DIRECTIVE

on the approximation of the laws
of the Member States relating to
reversing lamps for motor vehicles
and their trailers

PROPOSAL FOR A COUNCIL DIRECTIVE

on the approximation of the laws
of the Member States relating to
parking lamps for motor vehicles

(submitted to the Council by the Commission)

COM(76) 697 final

EXPLANATORY MEMORANDUM

These proposed Directives are to form part of the Community type-approval procedure referred to in Council Directive 70/156/EEC of 6 February 1970 (1).

These proposals concern only technical requirements for the construction and testing of rear fog lamps, reversing lamps and parking lamps of motor vehicles as technical requirements for their installation are included in Council Directive 76/756/EEC of 27 July 1976 concerning the installation of lighting and light signalling devices (2).

In drafting the proposals relating to the rear fog lamps (3) and the reversing lamps (4), the Commission based itself on the work accomplished in this field by the Economic Commission for Europe in Geneva. During the discussions in the Working Group of the Commission "Motor vehicles" the Belgian expert made some observations and proposed alternatives to certain requirements in the proposal "rear fog lamps"; it concerns item 6.2 and item 10.2 in Annex I, item 2 in Annex II and item 3 in Annex III. However, after a careful examination it did not seem appropriate at the moment to embody these modifications.

In the three proposals articles 1 - 6 institute the EEC type-approval procedure for rear fog lamps, reversing lamps and parking lamps. By means of this procedure the Directives tend to permit free movement of these lamps within the Community by prohibiting the Member States from opposing their marketing, provided they satisfy the construction and testing requirements laid down in the Annexes and bear the EEC type-approval mark, a diagram of which appears in Annex to Directives. This procedure includes a system of reciprocal notification of any grant, refusal, withdrawal or extension of type approval.

Article 7 incorporates the three Directives in the EEC type-approval procedure.

Since certain Member States do not operate a type-approval system it is necessary to insert some provisions in order to ensure that vehicles complying with the requirements set out in the Directives can be used in these states. (Article 8) (1)

The directives are applicable to motor vehicles with at least four wheels and a maximum design speed exceeding 25 km/h (Article 9), as well as to trailers for directives on rear fog lamps and reversing lamps.

Article 10 contains the procedure for adapting directives to technical progress. This procedure is set out in Article 13 of the Council Directive of 6 February 1970 relating to the type-approval of motor vehicles and trailers.

(1) O.J. No L 42, 23 February 1970, page 1

(2) O.J. No L 262, 27 July 1976, page 1

(3) Regulation n° "Uniform provisions concerning the approval of rear fog lights for power driven vehicles and their trailers".

(4) Regulation n° 23 "Uniform provisions concerning the approval of reversing lights for power driven vehicles and their trailers".

Doc. E/ECE/324/E/ECE/TRANS/505/Rev 1- Add. 22)

Article 11 contains two deadlines : before expiry of the first deadline the Member States shall adopt and publish the measures necessary in order to comply with the Directives. The second deadline sets the date on which all of the Member States must simultaneously implement the common rules (Article 11 (1)).

Finally, the Commission must be informed in good time of all draft provisions drawn up by the Member States in the field referred to in the Directives in order to enable it to comment thereon (Article 11 (2)).

CONSULTATION OF THE EUROPEAN PARLIAMENT AND ECONOMIC AND SOCIAL COMMITTEE

Pursuant to the Rome Treaty, Article 100 (2), the opinion of these two institutions is required.

(1) OJ N° L 73, 27 March 1972 "Documents concerning the accession to the European Communities of the Kingdom of Denmark, Ireland, and the United Kingdom of Great Britain and Northern Ireland". Act concerning the conditions of accession and adjustments to the Treaties - Annex I, title X.

PROPOSAL FOR A
COUNCIL DIRECTIVE

on the approximation of the laws of the
Member States relating to rear fog lamps
for motor vehicles and their trailers

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 100 thereof,

Having regard to the proposal from the Commission,

Having regard to the Opinion of the European Parliament,

Having regard to the Opinion of the Economic and Social Committee,

Whereas the technical requirements which motor vehicles must satisfy pursuant to national laws relate, inter alia, to rear fog lamps;

Whereas these requirements differ from one Member State to another, whereas it is therefore necessary that all Member States adopt the same requirements either in addition to or in place of their existing requirements, in order, in particular, to allow the EEC type-approval procedure which was the subject of 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) to be applied in respect of each type of vehicle;

Whereas the common requirements for the installation of lighting and light signalling devices on motor vehicles and trailers were laid down by the Council Directive 76/756/EEC (2), of 27 July 1976;

Whereas a harmonized type-approval procedure for rear fog lamps makes it possible for each Member State to check compliance with the common construction and testing requirements and to inform the other Member States of its findings by sending a copy of the type-approval certificate completed for each type of rear fog lamp; whereas the placing of an EEC type-approval mark on all rear fog lamp manufactured in conformity with the approved type obviates any need for technical checks on these rear fog lamps in the other Member States;

(1) OJ No L 42, 23.2.1970, p. 1

(2) OJ No L 262, 27.9.1976, p. 1

Whereas it is desirable to follow the technical requirements adopted by the U.N. Economic Commission for Europe in its Regulation No. ("Uniform provisions concerning the approval of rear fog lights for power driven vehicles and their trailers (1) which is annexed to the agreement of 20 March 1958 concerning the adoption of uniform conditions for approval and reciprocal recognition of approval for motor vehicle equipment and parts;

Whereas the approximation of national laws relating to motor vehicles includes reciprocal recognition by Member States of the tests carried out by them individually on the basis of the common requirements; whereas if the system is to function properly these requirements must be applied by all Member States from the same date,

HAS ADOPTED THIS DIRECTIVE :

Article 1

1. Each Member State shall grant EEC component type-approval for any type of rear fog lamp which satisfies the construction and testing requirements laid down in Annexes O, II and III.
2. The Member State which has granted type approval shall take the measures required in order to verify that production models conform to the approved type, in so far as is necessary and if need be in cooperation with the competent authorities in the other Member States. Such verification shall be carried out by means of spot checks.

Article 2

Member States shall for each type of rear fog lamp which they approve pursuant to Article I issue to the manufacturer, or to his authorized representative, an EEC type-approval mark which shall conform to the model shown in Annex II.

Member States shall take all appropriate measures to prevent the use of marks liable to create confusion between rear fog lamps which have been type-approved pursuant to Article 1 and other devices.

Article 3

1. No Member State may prohibit the placing on the market of rear fog lamps on grounds relating to their construction or method of functioning if they bear the EEC component type-approval mark.
2. Nevertheless, a Member State may prohibit the placing on the market of rear fog lamps bearing the EEC component type-approval mark which consistently fail to conform to the approved type.
That State shall inform the other Member States and the Commission forthwith of the measures taken, specifying the reasons for its decision.

Article 4

The competent authorities of each Member State shall within one month send to the competent authorities of the other Member States a copy of the component type-approval certificates in accordance with the model contained in Annex I completed for each type of rear fog lamp which they approve or refuse to approve.

./...

Article 5

1. If the Member State which has granted EEC component type-approval finds that a number of rear fog lamps bearing the same EEC component type-approval mark do not conform to the type which it has approved, it shall take the necessary measures to ensure that production models conform to the approved type. The competent authorities of that State shall advise those of the other Member States of the measures taken which may, where there is consistent failure to conform, extend to withdrawal of EEC component type-approval. The said authorities shall take the same measures if they are informed by the competent authorities of another Member State of such failure to conform.
2. The competent authorities of Member States shall inform each other within one month of any withdrawal of EEC component type-approval, and of the reasons for such a measure.

Article 6

Any decision taken pursuant to the provisions adopted in implementation of this Directive to refuse or withdraw EEC component type-approval for a rear fog lamp or prohibit its placing on the market or use shall set out in detail the reasons on which it is based. Such decision shall be notified to the party concerned, who shall at the same time be informed of the remedies available to him under the laws in force in the Member States and of the time limits allowed for the exercise of such remedies.

Article 7

No Member State may refuse to grant EEC type-approval or national type-approval of a vehicle on grounds relating to its rear fog lamps if these bear the EEC component type-approval mark and are fitted in accordance with the requirements laid down in the Council Directive 76/756/EEC of 27 July 1976 on the approximation of the laws of the Member States concerning the installation of lighting and light signalling devices on motor vehicles and trailers.

./...

Article 8

No member State may refuse or prohibit the sale or registration, entry into service or use of any vehicle on grounds relating to its rear fog lamps if these bear the EEC component type-approval mark and are fitted in accordance with the requirements laid down in the Council Directive 76/756/EEC of 27 July 1976 on the approximation of the laws of the Member States concerning the installation of lighting and light signalling devices on motor vehicles and trailers.

Article 9

For the purposes of this Directive, "vehicle" means any motor vehicle intended for use on the road, with or without bodywork, having at least four wheels and a maximum design speed exceeding 25 km/h and its trailers, with the exception of vehicles which run on rails, agricultural tractors and machinery and public works vehicles.

Article 10

The amendments necessary for adjusting the requirements of the Annexes to take account of technical progress shall be adopted in accordance with the procedure laid down in Article 13 of the Council Directive 70/156/EEC.

Article 11

1. The Member States shall adopt and publish the provisions necessary in order to comply with this Directive before 1 June 1978 and shall forthwith inform the Commission thereof. They shall apply these provisions from 1 January 1979.
2. As soon as this Directive has been notified, the Member States shall also ensure that the Commission is informed, in sufficient time to enable it to submit its comments, of any draft laws, regulations or administrative provisions which they intend to adopt in the field covered by the Directive.

./...

Article 12

This Directive is addressed to the Member States.

LIST OF ANNEXES.

- Annex 0 (*) - Definitions, general specifications, intensity of light emitted, test procedure, heat resistance test, colour of light emitted, conformity of production.
- Annex I - Model of EEC component type-approval certificate.
- Annex II - EEC component type-approval and marking requirements.
- Annex III (*) - Photometric measurements.

(*) The technical requirements of this Annex are similar to those of Regulation N° ... of the Economic Commission for Europe. In particular, the breakdown into items is the same. For this reason, where an item of Regulation N°... has no counterpart in this Directive, its number is given in brackets for the record.

ANNEX 0

DEFINITIONS, GENERAL SPECIFICATIONS,
INTENSITY OF LIGHT EMITTED, TEST PROCEDURE,
HEAT RESISTANCE TEST, COLOUR OF LIGHT EMITTED,
CONFORMITY OF PRODUCTION.

1. DEFINITIONS

For the purposes of this Directive

"rear fog lamp" means the lamp used to render the vehicle more readily visible from the rear in dense fog;

1.2. "axis of reference" (or "reference axis") means the characteristic axis of the light signal, determined by the manufacturer for use as the direction of reference ($H = 0^\circ$, $V = 0^\circ$) for photometric measurements and when fitting the lamp on the vehicle;

1.3. "centre of reference" means the intersection of the axis of reference with the exterior light-emitting surface, specified by the manufacturer of the lamp;

1.4. "apparent surface" in a specific direction means the orthogonal projection of the light-emitting surface on a plane perpendicular to the direction of observation;

1.5. rear fog lamps of different "types" are rear fog lamps which differ in such essential respects as :

1.5.1. the trade name or mark;

1.5.2. the characteristics of the optical system;

1.5.3. the type of filament lamp.

(2.)

(3.)

(4.)

5. GENERAL SPECIFICATIONS

5.1. Each sample shall conform to the specifications set forth in the items below.

5.2. Rear fog lamps shall be so designed and constructed that in normal use, notwithstanding any vibration to which they may be subjected during such use, their satisfactory operation remains assured and they retain the characteristics prescribed by this Directive.

6. INTENSITY OF LIGHT EMITTED

6.1. The intensity of the light emitted by each of the two samples, having met the requirements of item 8 below, shall be not less than the minima and not greater than the maxima specified below and shall be measured in relation to the axis of reference in the directions shown below (expressed in degrees of angle with the axis of reference).

6.2. The intensity along the H and V axes, between 10° to the left and 10° to the right and between 5° up and 5° down, shall not be less than 150 cd.

6.3. The intensity of the light emitted in all directions in which the light can be observed shall not exceed 300 cd.

6.4. The apparent surface in the direction of the reference axis shall not exceed 140 cm².

6.5. Annex III gives particulars of the measurement method to be used in case of doubt.

7. TEST PROCEDURE

All measurements shall be carried out with a colourless standard filament lamp of the type prescribed for the rear fog lamp and so regulated as to produce the normal luminous flux prescribed for this type of lamp.

8. HEAT RESISTANCE TEST

8.1. The lamp shall be subjected to a 1-hour test of continuous operation following a warm-up period of 20 minutes. The ambient temperature shall be 23°C ± 5°. The filament lamp used shall be a filament lamp of the category prescribed for the lamp, and shall be supplied with current at a voltage such that it gives the specified average power at the corresponding test voltage.

8.2. Where only the maximum power is specified, the test shall be carried out by regulating the voltage to obtain a power equal to 90 per cent of the specified power. The specified average or maximum power referred to above shall in all cases be chosen from the voltage range of 6, 12 or 24 V at which it reaches the highest value.

8.3. After the lamp has been stabilized at the ambient temperature, no distortion, deformation, cracking or colour modification shall be perceptible.

9. COLOUR OF LIGHT EMITTED

The colour of the light emitted, which shall be measured by using a source of light at a colour temperature of 2854 K ^{*}/, shall lie within the limits of the following trichromatic co-ordinates :

Limit towards yellow : $y \leq 0.335$

Limit towards purple : $z \leq 0.008$

10. CONFORMITY OF PRODUCTION

10.1. Every rear fog lamp bearing an EEC component type-approval mark shall conform to the approved type and comply with the photometric conditions specified in items 6 and 9.

10.2. Nevertheless, in the case of a rear fog lamp 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 item 7 above) shall be limited in each relevant direction to 80 per cent of the minimum value prescribed in item 6 above.

(11)

^{*}/ Corresponding to illuminant A of the International Commission on Illumination (CIE).

ANNEX I

MODEL FOR AN EEC COMPONENT TYPE-APPROVAL CERTIFICATE

(Maximum format: A4 (210 x 297mm))

Name of the competent authority

Notification concerning the grant, refusal or
withdrawal of EEC component type-approval for a type of rear lamp

- Component type-approval number
1. Type of filament lamps
 2. Trade name or mark
 3. Name and address of manufacturer
 4. If applicable, name and address of manufacturer's authorized representative
 5. Submitted for EEC component type-approval on
 6. Technical service conducting EEC component type-approval tests ...
 7. Date of report issued by that service
 8. Number of report issued by that service
 9. Date of grant/refusal/withdrawal of EEC component type-approval(*).
.....
 10. Single EEC component type-approval granted on the basis of item
3.3 of Annex II for a lighting and light-signalling device comprising several lamps, and in particular
 11. Date of refusal/withdrawal (*) of single EEC component type-approval
.....
 12. Place
 13. Date
 14. Signature
 15. The attached drawing No shows the geometrical position
in which the rear fog lamp is to be mounted on the vehicle, and the
axis of reference and centre of reference of the rear fog lamp.
 16. Remarks
.....

(*) Delete where inapplicable

ANNEX II

EEC COMPONENT TYPE-APPROVAL AND MARKING REQUIREMENTS

1. APPLICATION FOR EEC COMPONENT TYPE-APPROVAL
 - 1.1. The application for EEC component type-approval shall be submitted by the holder of the trade name or mark or by his authorized representative.
 - 1.2. For each type of rear fog lamp, the application shall be accompanied by the following :
 - 1.2.1. A brief technical description stating, in particular, the type of filament lamp or lamps prescribed;
 - 1.2.2. Drawings, (three copies), in sufficient detail to permit identification of the type of the rear fog lamp and showing, geometrically, the position in which the rear fog lamp is to be mounted on the vehicle, the axis of observation to be taken as the axis of reference in the tests (horizontal angle $H = 0^\circ$, vertical angle $V = 0^\circ$), and the point to be taken as the centre of reference in the said tests;
 - 1.2.3. Two samples; if the rear fog lamp cannot be mounted indiscriminately on either side of the vehicle, the two samples submitted may be identical and be suitable for mounting only on the right or only on the left side of the vehicle;
2. MARKINGS
 - 2.1. The samples of a type of rear fog lamp submitted for EEC type-approval shall bear :
 - 2.1.1. the trade name or mark of the applicant, which shall be clearly legible and indelible;
 - 2.1.2. a clearly legible and indelible marking indicating the type or types of filament lamp recommended;
 - 2.1.3. and incorporate a space large enough to contain the EEC component type-approval mark and the additional symbols prescribed in item 4.; this space shall be shown in the drawings mentioned in 1.2.2.

3. EEC COMPONENT TYPE-APPROVAL

- 3.1. If the two samples submitted in accordance with item 1 meet the requirements of Annexes 0, II and III, EEC component type-approval shall be granted and a type-approval number assigned.
- 3.2. This number shall not be assigned to any other type of rear fog lamp.
- 3.3. Where EEC component type-approval is requested for a type of lighting and light-signalling device comprising a rear fog lamp and other lamps, a single EEC component type-approval mark may be issued provided that the rear fog lamp complies with the requirements of this Directive and that each of the other lamps forming part of the lighting and light-signalling device for which EEC type-approval is requested, complies with the specific Directive applying to it.

4. MARKS

- 4.1. Every rear fog lamp conforming to a type approved under this Directive shall bear an EEC component type-approval mark.
- 4.2. This mark shall consist of a rectangle within which shall be placed the letter "e" in small type, followed by the distinguishing number or letter of the Member State which has granted the type-approval :

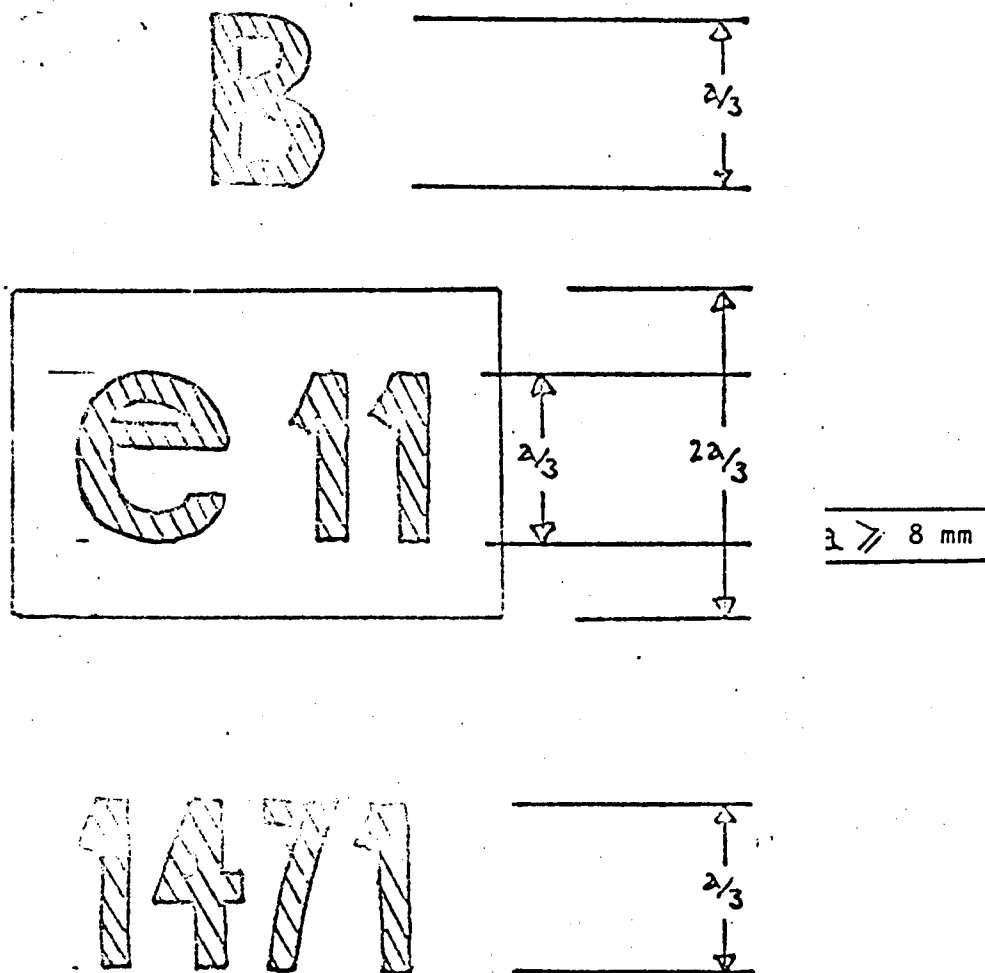
- 1 for Germany
- 2 for France
- 3 for Italy
- 4 for the Netherlands
- 6 for Belgium
- 11 for the United Kingdom
- 13 for Luxembourg
- DK for Denmark
- IRL for Ireland

and an EEC component type-approval number, the same as that of the EEC component type-approval certificate drawn up for the type of rear fog lamp.

- 4.3. The EEC component type-approval mark shall be supplemented by the following additional symbol "B".
- 4.4. The EEC component type-approval number shall be placed in any convenient position near the rectangle surrounding the letter "e".
- 4.5. The EEC component type-approval mark and the additional symbol shall be affixed to the lens or one of the lenses in such a way as to be indelible and clearly legible even when the rear for lamp(s) is/are fitted on the vehicle.
- 4.6. An example of the EEC component type-approval mark completed by the symbol is shown in the Appendix.
- 4.7. Where a single EEC type-approval number is issued as under item 3.3. for a type of lighting and light-signalling device comprising a rear fog lamp and other lamps, a single EEC component type-approval mark only may be affixed, consisting of :
- a rectangle surrounding the letter "e" followed by the distinguished letter(s) or number of the Member State which has granted the type-approval,
 - an EEC component type-approval number,
 - the additional symbols prescribed in the various Directives under which EEC component type-approval has been granted.
- 4.8. The dimensions of the various components of this mark shall not be less than the largest of the minimum dimensions specified for individual markings in the Directives under which EEC component type-approval has been granted.

APPENDIX

EXAMPLE OF AN EEC COMPONENT TYPE-APPROVAL MARK

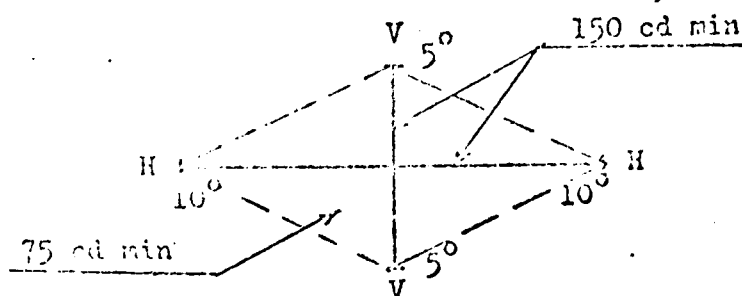


The device bearing the EEC component type-approval mark shown above is a rear fog lamp type-approved in United Kingdom (e 11) under the number 1471.

ANNEX III

PHOTOMETRIC MEASUREMENTS

1. During photometric measurements, stray reflexions shall be prevented by appropriate masking.
2. Should the results of measurements be challenged, measurements shall be carried out in such a way as to meet the following requirements :
 - 2.1. the distance of measurement shall be such that the law of the inverse of the square of the distance is applicable;
 - 2.2. the measuring equipment shall be such that the angle subtended by the receiver from the reference centre of the light is between $10'$ and 1° ;
 - 2.3. the intensity requirement for a particular direction of observation shall be satisfied if the required intensity is obtained in a direction deviating by not more than one-quarter of a degree from the direction of observation.
3. If visual examination of a lamp appears to reveal substantial local variations of intensity, a check shall be made to ensure that, outside the axes, no intensity measured within the rhombus defined by the extreme directions of measurement is below 75 cd (see diagram below).



PROPOSAL FOR A
COUNCIL DIRECTIVE

on the approximation
of the laws of the Member States
relating to reversing lamps
for motor vehicles and their trailers

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 100 thereof,

Having regard to the proposal from the Commission,

Having regard to the Opinion of the European Parliament,

Having regard to the Opinion of the Economic and Social Committee,

Whereas the technical requirements which motor vehicles must satisfy pursuant to national laws relate, inter alia, to reversing lamps, tell-tales and indicators;

Whereas these requirements differ from one Member State to another, whereas it is therefore necessary that all Member States adopt the same requirements either in addition to or in place of their existing requirements, in order, in particular, to allow the EEC type-approval procedure which was the subject of 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) to be applied in respect of each type of vehicle;

Whereas the common requirements for the installation of lighting and light signalling devices on motor vehicles and trailers were laid down by the Council Directive 76/756/EEC of 27 July 1976 (2);

Whereas a harmonized type-approval procedure for reversing lamps makes it possible for each Member State to check compliance with the common construction and testing requirements and to inform the other Member States of its findings by sending a copy of the type-approval certificate completed for each type of reversing lamp; whereas the placing of an EEC type-approval mark on reversing lamps manufactured in conformity with the approved type obviates any need for technical checks on these reversing lamps in the other Member States;

(1) OJ No L 42, 23.2.1970, p. 1

(2) OJ No L 262, 27.9.1976, p. 1

Whereas it is desirable to follow the technical requirements adopted by the U.N. Economic Commission for Europe in its Regulation No 23 ("Uniform provisions concerning the approval of reversing lights for power driven and their trailers)(1) which is annexed to the agreement of 20 March 1958 concerning the adoption of uniform conditions for approval and reciprocal recognition of approval for motor vehicle equipment and parts;

Whereas the approximation of national laws relating to motor vehicles includes reciprocal recognition by Member States of the tests carried out by them individually on the basis of the common requirements; whereas if the system is to function properly these requirements must be applied by all Member States from the same date,

HAS ADOPTED THIS DIRECTIVE :

(1) Economic Commission for Europe document
E/ECE/324 }
E/ECE/TRANS/505 } Rev. 1/Add 22 of 20.8.1971

Article 1

1. Each Member State shall grant EEC type-approval for any type of reversing lamp which satisfies the construction and testing requirements laid down in Annexes O, II, III and IV.
2. The Member State which has granted type approval shall take the measures required in order to verify that production models conform to the approved type, in so far as is necessary and if need be in cooperation with the competent authorities in other Member States. Such verification shall be carried out by means of spot checks.

Article 2

Member States shall for each type of reversing lamp which they approve pursuant to Article 1 issue to the manufacturer, or to his authorized representative, an EEC type-approval mark which shall conform to the model shown in Annex II.

Member States shall take all appropriate measures to prevent the use of marks liable to create confusion between reversing lamps which have been type-approved pursuant to Article 1 and other reversing lamps.

Article 3

1. No Member State may prohibit the placing on the market of reversing lamps on grounds relating to their construction or method of functioning if they bear the EEC component type-approval mark.
2. Nevertheless, a Member State may prohibit the placing on the market of reversing lamps bearing the EEC component type-approval mark which consistently fail to the approved type.

That State shall inform the other Member States and the Commission forthwith of the measures taken, specifying the reasons for its decision.

Article 4

The competent authorities of each Member State shall within one month send to the competent authorities of the other Member States a copy of the component type approval certificates in accordance with the model contained in Annex I completed for each type of reversing lamp which they approve or refuse to approve.

Article 5

1. If the Member State which has granted EEC component type-approval finds that a number of reversing lamps bearing the same type-approval mark do not conform to the type which it has approved, it shall take the necessary measures to ensure that production models conform to the approved type. The competent authorities of that State shall advise those of the other Member States of the measures taken which may, where there is consistent failure to conform, extend to withdrawal of EEC component type-approval. The said authorities shall take the same measures if they are informed by the competent authorities of another Member State of such failure to conform.
2. The competent authorities of Member States shall inform each other within one month of any withdrawal of EEC component type-approval, and of the reasons for such a measure.

Article 6

Any decision taken pursuant to the provisions adopted in implementation of this Directive to refuse or withdraw EEC component type-approval for reversing lamp or prohibit its placing on the market or use shall set out in detail the reasons on which it is based. Such decision shall be notified to the party concerned, who shall at the same time be informed of the remedies available to him under the laws in force in the Member States and of the time limits allowed for the exercise of such remedies.

Article 7

No Member State may refuse to grant EEC type-approval or national type-approval of a vehicle on grounds relating to its reversing lamps if these bear the EEC component type-approval mark and are fitted in accordance with the requirements laid down in the Council Directive 76/756/EEC of 27 July 1976 on the approximation of the laws of the Member States concerning the installation of lighting and light signalling devices on motor vehicles and trailers.

Article 8

No Member State may refuse or prohibit the sale or registration, entry into service or use of any vehicle on grounds relating to its reversing lamps if these bear the EEC component type-approval mark and are fitted in accordance with the requirements laid down in the Council Directive 76/756/EEC of 27 July 1976 on the approximation of the laws of the Member States concerning the installation of lighting and light signalling devices on motor vehicles and trailers.

Article 9

For the purposes of this Directive, "vehicle" means any motor vehicle intended for use on the road, with or without bodywork, having at least four wheels and a maximum design speed exceeding 25 km/h, and its trailers, with the exception of vehicles which run on rails, agricultural tractors and machinery and public works vehicles.

Article 10

The amendments necessary for adjusting the requirements of the Annexes to take account of technical progress shall be adopted in accordance with the procedure laid down in Article 13 of the Council Directive 70/156/EEC.

Article 11

1. The Member States shall adopt and publish the provisions necessary in order to comply with this Directive before 1 June 1978 and shall inform the Commission thereof. They shall apply these provisions from 1 January 1979.
2. As soon as this Directive has been notified, the Member States shall also ensure that the Commission is informed, in sufficient time to enable it to submit its comments, of any draft laws, regulations or administrative provisions which they intend to adopt in the field covered by the Directive.

Article 12

This Directive is addressed to the Member States.

LIST OF ANNEXES

- ANNEX 0 (✱) - Definitions, general specifications, intensity of light emitted, test procedure, colour of light emitted, conformity of production.
- ANNEX I - Model of EEC component type-approval certificate.
- ANNEX II - EEC component type-approval and marking requirements.
- ANNEX III (✱) - Photometric measurements.
- ANNEX IV (✱) - Colour of white light, trichromatic co-ordinates.

(✱) The technical requirements of this Annex are similar to those of Regulation 23 of the Economic Commission for Europe. In particular, the breakdown into items is the same. For this reason, where an item of Regulation 23 has no counterpart in this Directive, its number is given in brackets for the record.

ANNEX O

DEFINITIONS, GENERAL SPECIFICATIONS, INTENSITY OF LIGHT EMITTED, TEST PROCEDURE, COLOUR OF LIGHT EMITTED, CONFORMITY OF PRODUCTION.

1. DEFINITIONS

For the purposes of this Directive

- 1.1. "reversing lamp" means the lamp used to illuminate the road to the rear of the vehicle and to warn other road-users that the vehicle is reversing or about to reverse;
- 1.2. "axis of reference" means the characteristic axis of the light signal, determined by the manufacturer for use as the direction of reference ($H = 0^\circ$, $V = 0^\circ$) for photometric measurements and when fitting the lamp on the vehicle;
- 1.3. "centre of reference" means the intersection of the axis of reference with the exterior light-emitting surface. It is specified by the manufacturer of the lamp;
- 1.4. reversing lamps of different "types" are reversing lamps which differ in such essential respects as
 - 1.4.1. the trade name or mark;
 - 1.4.2. the characteristics of the optical system;
 - 1.4.3. the inclusion of components capable of altering the optical effects by reflection, refraction or absorption; and
 - 1.4.4. the type of filament lamp.

(2.)

(3.)

(4.)

5. GENERAL SPECIFICATIONS

- 5.1. Each sample shall conform to the specifications set forth in the items below.
- 5.2. Reversing lamps shall be so designed and constructed that in normal use, notwithstanding any vibration to which they may be subjected during such use, their satisfactory operation remains assured and they retain the characteristics prescribed by this Directive.

6. INTENSITY OF LIGHT EMITTED

- 6.1. The intensity of the light emitted by each of the two samples shall be not less than the minima and not greater than the maxima specified below and shall be measured in relation to the axis of reference in the directions shown below (expressed in degrees of angle with the axis of reference).
- 6.2. The intensity along the axis of reference shall be not less than 80 cd.
- 6.3. The intensity of the light emitted in all directions in which the light can be observed shall not exceed
300 cd in directions in or above the horizontal plane; or
600 cd in directions below the horizontal plane.
- 6.4. In every other direction of measurement shown in Annex III to this Directive the luminous intensity shall be not less than the minima specified in that Annex.

7. TEST PROCEDURE

- 7.1. All measurements shall be carried out with a colourless standard filament lamp of the type prescribed for the reversing lamp and so regulated as to produce the normal luminous flux prescribed for this type of lamp.

8. COLOUR OF LIGHT EMITTED

The colour of the light emitted shall be white. In case of doubt, the colour may be checked on the basis of the definition of the colour of white light given in Annex IV to this Directive.

9. CONFORMITY OF PRODUCTION

Every reversing lamp bearing an EEC component type-approval mark shall conform to the approved type and comply with the photometric conditions specified in items 6 and 8.

Nevertheless, in the case of a reversing lamp 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 item 7 above) shall be limited in each relevant direction to 80 per cent of the minimum value prescribed in item 6 above.

(10.)

(11.)

ANNEX I

MODEL FOR AN EEC COMPONENT TYPE-APPROVAL CERTIFICATE

(Maximum format : A4 (210 x 297 mm))

Name of the competent authority

Notification concerning the grant, refusal or withdrawal of EEC component type-approval for a type of reversing lamp.

Component type-approval Number.....

1. Type of filament lamps
2. Trade name or mark
3. Name and address of manufacturer
4. If applicable, name and address of manufacturer's authorized representative
5. Submitted for EEC component type-approval on.....
6. Technical service conducting EEC component type-approval tests...
7. Date of report issued by that service
8. Number of report issued by that service
9. Date of grant/refusal/withdrawal of EEC component type-approval(✕)
.....
10. Single EEC component type-approval granted on the basis of item 3.3. of Annex II for a lighting and light signalling device comprising several lamps, and in particular :
11. Date of refusal/withdrawal (✕) of single EEC component type-approval
12. Place
13. Date
14. Signature
15. The attached drawing N° shows the geometrical position in which the reversing lamp is to be mounted on the vehicle, and the axis of reference and centre of reference of the reversing lamp.
16. Remarks

(✕) Delete where inapplicable

ANNEX II

EEC COMPONENT TYPE-APPROVAL AND MARKING REQUIREMENTS

1. APPLICATION FOR EEC COMPONENT TYPE-APPROVAL

- 1.1. The application for EEC component type-approval shall be submitted by the holder of the trade name or mark or by his authorized representative.
- 1.2. For each type of reversing lamp, the application shall be accompanied by the following :
 - 1.2.1. A brief technical description stating, in particular, the type of filament lamp or lamps prescribed;
 - 1.2.2. Drawings, (three copies), in sufficient detail to permit identification of the type of the reversing lamp and showing, geometrically, the position in which the reversing lamp is to be mounted on the vehicle, the axis of observation to be taken as the axis of reference in the tests (horizontal angle $H = 0^\circ$, vertical angle $V = 0^\circ$), and the point to be taken as the centre of reference in the said tests;
 - 1.2.3. Two samples

2. MARKINGS

- 2.1. The samples of a type of reversing lamp submitted for EEC type-approval shall bear :
 - 2.1.1. the trade name or mark of the applicant, which shall be clearly legible and indelible;
 - 2.1.2. a clearly legible and indelible marking indicating the type or types of filament lamp recommended;
 - 2.1.3. if necessary, in order to prevent any mistake in mounting the reversing lamp on the vehicle, the word "TOP" marked horizontally on the uppermost part of the illuminating surface;
 - 2.1.4. and incorporate a space large enough to contain the EEC component type-approval mark and the additional symbols prescribed in item 4.; this space shall be shown in the drawings mentioned in 1.2.2.

3. EEC COMPONENT TYPE-APPROVAL

- 3.1. If the two samples submitted in accordance with item 1 meet the requirements of Annexes O, II, III and IV, EEC component type-approval shall be granted and a type-approval number assigned.
- 3.2. This number shall not be assigned to any other type of reversing lamp.
- 3.3. Where EEC component type-approval is requested for a type of lighting and light-signalling device comprising a reversing lamp and other lamps, a single EEC component type-approval mark may be issued provided that the reversing lamp complies with the requirements of this Directive and that each of the other lamps forming part of the lighting and light-signalling device for which EEC type-approval is requested, complies with the specific Directive applying to it.

4. MARKS

- 4.1. Every reversing lamp conforming to a type approval under this Directive shall bear an EEC component type-approval mark.
- 4.2. This mark shall consist of a rectangle within which shall be placed the letter "e" in small type, followed by the distinguishing number or letter(s) of the Member State which has granted the type-approval :

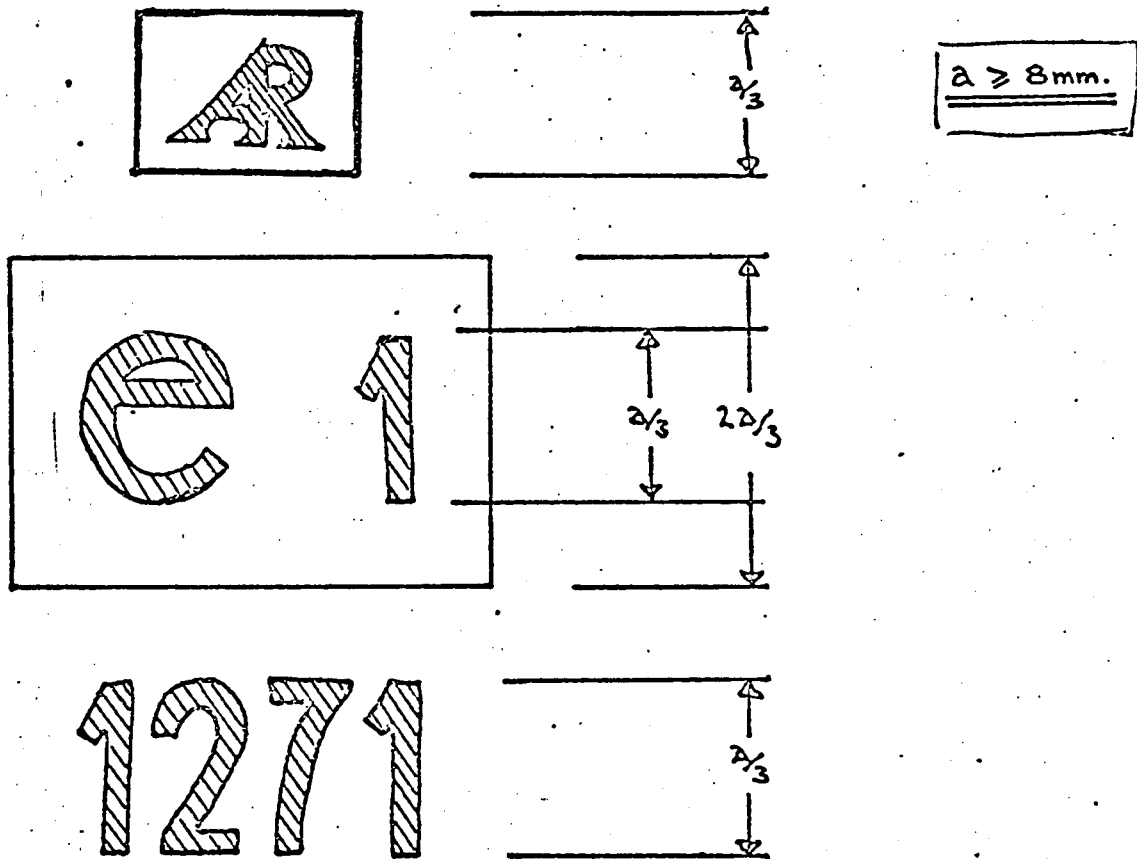
- 1 for Germany
- 2 for France
- 3 for Italy
- 4 for the Netherlands
- 6 for Belgium
- 11 for the United Kingdom
- 13 for Luxembourg
- DK for Denmark
- IRL for Ireland

and an EEC component type-approval number, the same as that of the EEC component type-approval certificate drawn up for the type of reversing lamp.

- 4.3. The EEC component type-approval mark shall be supplemented by the following addition symbol :
- 4.3.1. a square, above the rectangle, surrounding the letters "AR"
- 4.4. The EEC component type-approval number shall be placed in any convenient position near the rectangle surrounding the letter "e"
- 4.5. The EEC component type-approval mark and the additional symbol shall be affixed to the lens or one of the lenses in such a way as to be indelible and clearly legible even when the reversing lamp is fitted on the vehicle.
- 4.6. An example of the component type-approval mark completed by the additional symbol referred to above in which the letters A and R are mingled is shown in the Appendix.
- 4.7. Where a single EEC type-approval number is issued as under item 3.3. above for a type of lighting and light-signalling device comprising a reversing lamp and other lamps, a single EEC component type-approval mark may be affixed, consisting of :
- a rectangle within which shall be placed the letter "e", followed by the distinguishing number or letter(s) of the Member State which has granted the type-approval,
 - an EEC component type-approval number,
 - the additional symbols prescribed in the various Directives under which EEC component type-approval has been granted.
- 4.8. The dimensions of the various components of this mark shall not be less than the largest of the minimum dimensions specified for individual marking in the directives under which EEC component type-approval has been granted.

A P P E N D I X

EXAMPLE OF AN EEC COMPONENT TYPE-APPROVAL MARK



The device bearing the EEC component type-approval mark shown above is a reversing lamp type-approved in Germany (e 1) under the number 1271.

ANNEX III

PHOTOMETRIC MEASUREMENTS

1. MEASUREMENT METHODS

1.1. During photometric measurements, stray reflexions shall be prevented by appropriate masking.

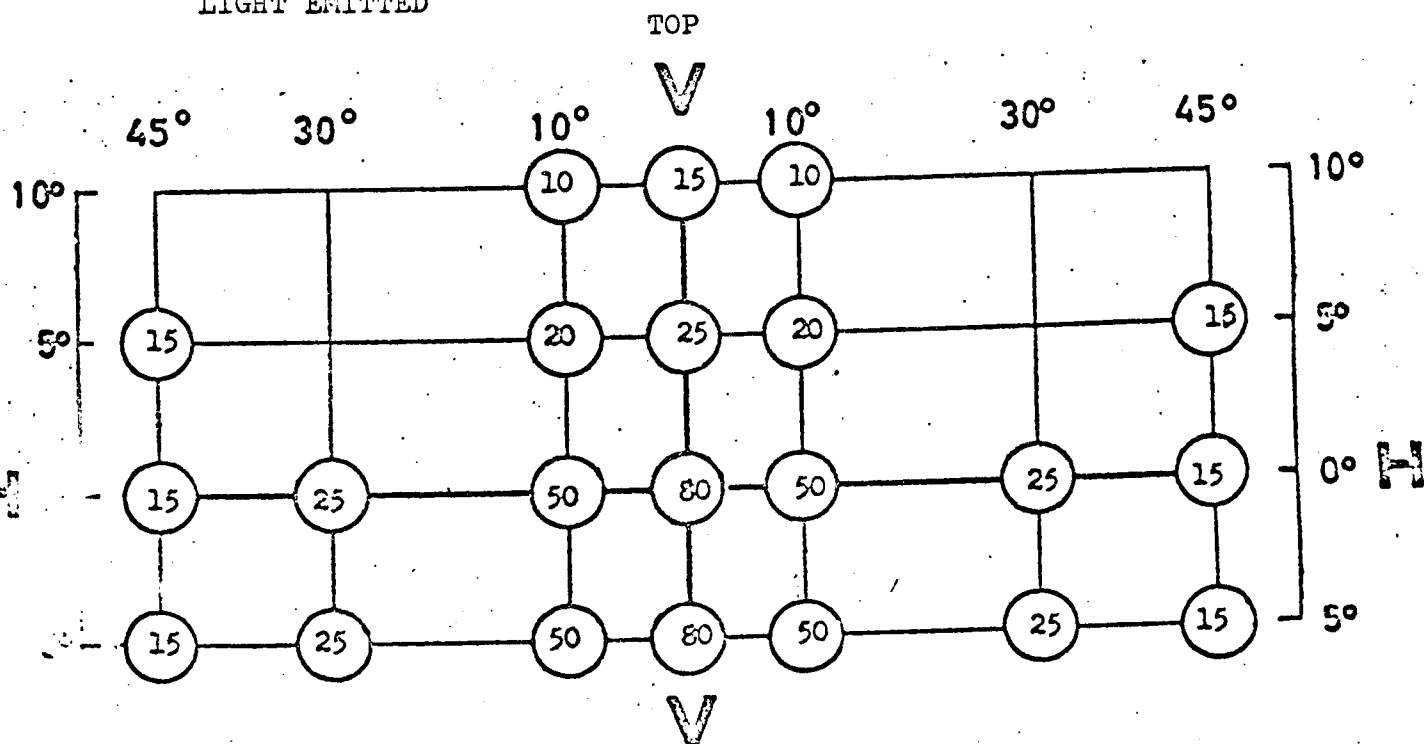
1.2. Should the results of measurements be challenged, measurements shall be carried out in such a way as to meet the following requirements :

1.2.1. The distance of measurement shall be such that the law of the inverse of the square of the distance is applicable;

1.2.2. The measuring equipment shall be such that the angle subtended by the receiver from the reference centre of the light is between 10° and 1° ;

1.2.3. The intensity requirement for a particular direction of observation shall be satisfied if the required intensity is obtained in a direction deviating by not more than one-quarter of a degree from the direction of observation.

2. MEASURING POINTS EXPRESSED IN DEGREES OF ANGLE WITH THE AXIS OF REFERENCE AND VALUES OF THE MINIMUM INTENSITIES OF THE LIGHT EMITTED



○ = Minimum intensities in cd.

- 2.1. The directions $H = 0^\circ$ and $V = 0^\circ$ corresponds to the reference axis (on the vehicle it is horizontal, parallel to the median longitudinal plane of the vehicle and oriented in the required direction of visibility). It passes through the centre of reference. The values shown in the table give, for the various directions of measurement, the minimum intensities in cd.
- 2.2. If visual examination of a light appears to reveal substantial local variations of intensity, a check shall be made to ensure that no intensity measured between two of the directions of measurement referred to above is below 50 per cent of the lower minimum intensity of the two prescribed for these directions of measurement.

ANNEX IV

COLOUR OF WHITE LIGHT
TRICHROMATIC CO-ORDINATES

Limit towards blue	:	$x \geq 0.310$
" " yellow	:	$x \leq 0.500$
" " green	:	$y \leq 0.150 + 0.640 x$
" " green	:	$y \leq 0.440$
" " purple	:	$y \geq 0.050 + 0.750 x$
" " red	:	$y \geq 0.382$

For checking these colorimetric characteristics, a source of light at a colour temperature of 2,854 K corresponding to illuminant A of the International Commission on Illumination (CIE) shall be used.

PROPOSAL FOR A
COUNCIL DIRECTIVE

on the approximation of the laws of the Member States
relating to parking lamps for motor vehicles

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 100 thereof,

Having regard to the proposal from the Commission,

Having regard to the Opinion of the European Parliament,

Having regard to the Opinion of the Economic and Social Committee,

Whereas the technical requirements which motor vehicles must satisfy pursuant to national laws relate inter alia parking lamps;

Whereas these requirements differ from one Member State to another, whereas it is therefore necessary that all Member States adopt the same requirements either in addition to or in place of their existing requirements, in order, in particular, to allow the EEC type-approval procedure which was the subject of 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) to be applied in respect of each type of vehicle;

Whereas the common requirements for the installation of lighting and light signalling devices on motor vehicles and trailers were laid down by the Council Directive 76/756/EEC (2) of 27 July 1976;

Whereas a harmonized type-approval procedure for parking lamps makes it possible for each Member State to check compliance with the common construction and testing requirements and to inform the other Member States of its findings by sending a copy of the type-approval certificate completed for each type of parking lamp; whereas the placing of an EEC type-approval mark on all parking lamps manufactured in conformity with the approved type obviated any need for technical checks on these parking lamps in the other Member States;

(1) IJ No L 42, 23.2.1970, p. 1

(2) OJ No L 262, 27.9.1976, p. 1

Whereas the approximation of national laws relating to motor vehicle includes reciprocal recognition by Member States of the tests carried out by them individually on the basis of the common requirements; whereas if the system is to function properly these requirements must be applied by all Member States from the same date,

HAS ADOPTED THIS DIRECTIVE :

Article 1

1. Each Member State shall grant EEC component type-approval for any type of parking lamp which satisfies the construction and testing requirements laid down in Annexes I, II, IV, V and VI.
2. The Member State which has granted type approval shall take the measures required in order to verify that production models conform to the approved type, in so far as is necessary and if need be in cooperation with the competent authorities in the other Member States. Such verification shall be carried out by means of spot checks.

Article 2

Member States shall for each type of parking lamp which they approve pursuant to Article 1 issue to the manufacturer, or to his authorized representative, an EEC type-approval mark which shall conform to the model shown in Annex IV.

Member States shall take all appropriate measures to prevent the use of marks liable to create confusion between parking lamps which have been type-approved pursuant to Article 1 and other devices.

Article 3

1. No Member State may prohibit the placing on the market of parking lamps on grounds relating to their construction or method of functioning if they bear the EEC component type-approval mark.
2. Nevertheless, a Member State may prohibit the placing on the market of parking lamps bearing the EEC component type-approval mark which consistently fail to conform to the approved type. That State shall inform the other Member States and the Commission forthwith of the measures taken, specifying the reasons for its decision.

Article 4

The competent authorities of each Member State shall within one month send to the competent authorities of the other Member States a copy of the component type-approval certificates in accordance with the model contained in Annex III completed for each type of parking lamps which they approve or refuse to approve.

./...

Article 5

1. If the Member State which has granted EEC component type-approval finds that a number of parking lamps bearing the same EEC component type-approval mark do not conform to the type which it has approved, it shall take the necessary measures to ensure that production models conform to the approved type. The competent authorities of that State shall advise those of the other Member States of the measures taken which may, where there is consistent failure to conform, extend to withdrawal of EEC component type-approval. The said authorities shall take the same measures if they are informed by the competent authorities of another Member State of such failure to conform.
2. The competent authorities of Member States shall inform each other within one month of any withdrawal of EEC component type-approval, and of the reasons for such a measure.

Article 6

Any decision taken pursuant to the provisions adopted in implementation of this Directive to refuse or withdraw EEC component type-approval for a parking lamp or prohibit its placing on the market or use shall set out in detail the reasons on which it is based. A decision shall be notified to the party concerned, who shall at the same time be informed of the remedies available to him under the laws in force in the Member States and of the time limits allowed for the exercise of such remedies.

Article 7

No Member State may refuse to grant EEC type-approval or national type-approval of a vehicle on grounds relating to its parking lamps if these bear the EEC component type-approval mark and are fitted in accordance with the requirements laid down in the Council Directive 76/756/EEC of 27 July 1976, on the approximation of the laws of the Member States concerning the installation of lighting and light signalling devices on motor vehicles and trailers.

./...

Article 8

No Member State may refuse or prohibit the sale or registration, entry into service or use of any vehicle on grounds relating to its parking lamps if these bear the EEC component type-approval mark and are fitted in accordance with the requirements laid down in the Council Directive 76/756/EEC of 27 July 1976 on the approximation of the laws of the Member States concerning the installation of lighting and light signaling devices on motor vehicles and trailers.

Article 9

For the purposes of this Directive, "vehicle" means any motor vehicle intended for use on the road, with or without bodywork, having at least four wheels and a maximum design speed exceeding 25 km/h, with the exception of vehicles which run on rails, agricultural tractors and machinery and public works vehicles.

Article 10

The amendments necessary for adjusting the requirements of the Annexes to take account of technical progress shall be adopted in accordance with the procedure laid down in Article 13 of the Council Directive 70/156/EEC.

Article 11

1. The Member States shall adopt and publish the provisions necessary in order to comply with this Directive before 1 June 1978 and shall forthwith inform the Commission thereof. They shall apply these provisions from 1 January 1979.
2. As soon as this Directive has been notified, the Member States shall also ensure that the Commission is informed, in sufficient time to enable it to submit its comments, of any draft laws, regulations or administrative provisions which they intend to adopt in the field covered by the Directive.

Article 12

This Directive is addressed to the Member States.

LIST OF ANNEXES

- Annex I - Definitions, general specifications, intensity of light emitted, test procedure, colour of light emitted, conformity of production, note concerning colour.
 - Annex II - Minimum angles required for the light distribution in space.
 - Annex III - Model of EEC type-approval certificate.
 - Annex IV - EEC type-approval and marking requirements.
 - Annex V - Photometric measurements.
 - Annex VI - Colour of light emitted, trichromatic co-ordinates.
-

ANNEX I

DEFINITIONS, GENERAL SPECIFICATIONS, INTENSITY OF
LIGHT EMITTED, TEST PROCEDURE, COLOUR OF LIGHT EMITTED,
CONFORMITY OF PRODUCTION, NOTE CONCERNING COLOUR.

1. DEFINITIONS

For the purposes of this Directive

- 1.1. "Parking Lamp" means the lamp used to draw attention to the presence of a stationary vehicle in a built up area;
- 1.2. "Device" means a lighting or signalling device comprising a light source (and in certain cases, an optical system), a lens and a housing. A device may comprise one or more lamps; if it comprises several lamps, they may be grouped, combined or reciprocally incorporated;
 - 1.2.1. "Grouped lamps" means devices having separate lenses and separate light sources, but a common lamp body;
 - 1.2.2. "Combined lamps" means devices having separate lenses, but a common light source and a common lamp body;
 - 1.2.3. "Reciprocally incorporated lamps" means devices having separate light sources (or a single light source operating under different conditions), totally or partially common lenses and a common lamp body;
- 1.3. "A single lamp" means any combination of two or more lamps, whether identical or not, having the same function and emitting light of the same colour, if it comprises devices, the projection of whose aggregate light-emitting surfaces in a given transverse plane occupies 60% or more of the area of the smallest rectangle circumscribing the projections of those light-emitting surfaces, provided that such combination is, where approval is required, approved as a single lamp;
- 1.4. "Two lamps" or "an even number of lamps" means a single light-emitting surface in the shape of a band if placed symmetrically in relation to the median longitudinal plane of the vehicle and extending on both sides to within not less than 400 mm of the extreme outer edge of the vehicle, and being not less than 800 mm long. The illumination of such a surface shall be provided by not less than two light sources placed as close as possible to its ends. The light-emitting surface may be constituted by a number of juxtaposed elements on condition that the projections of the several individual light-emitting surfaces on the same transverse plane occupy not less than 60% of the area of the smallest rectangle circumscribing the projections of those individual light-emitting surfaces.

./...

- 1.5. "axis of reference" (or "reference axis") means the characteristic axis of the light signal, determined by the manufacturer for use as the direction of reference ($H = 0^\circ$, $V = 0^\circ$) for photometric measurements and when fitting the lamp on the vehicle;
- 1.6. "centre of reference" means the intersection of the axis of reference with the exterior light-emitting surface. It is specified by the manufacturer of the lamp;
- 1.7. "apparent surface" in a specific direction means the orthogonal projection of the light-emitting surface on a plane perpendicular to the direction of observation;
- 1.8. parking light of different "types" are parking lights which differ in such essential respects as :
 - 1.8.1. the trade name or mark;
 - 1.8.2. the characteristics of the optical system;
 - 1.8.3. the type of filament lamp.

2. GENERAL SPECIFICATIONS

- 2.1. Each sample shall conform to the specifications set forth in items 3 and 5.
- 2.2. The parking lights shall be so designed and constructed that under normal conditions of use, notwithstanding any vibration to which they may be subjected during such use, their satisfactory operation remains assured and they retain the characteristics prescribed by this Directive.

3. INTENSITY OF LIGHT EMITTED

- 3.1. In the reference axis, the light emitted by each of the two samples shall be of not less than the minimum intensity and of not more than the maximum intensity specified below :

	<u>Minimum</u> (cd)	<u>Maximum</u> (cd)
3.1.1. Forward facing parking lamps	4	60
3.1.2. Rearward facing parking lamps	2	12
3.2. 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 samples shall :		
3.2.1. in each direction corresponding to the points in the luminous intensity distribution table reproduced in Annex V be not less than the value shown in the said table for the direction in question, expressed as a percentage of the minimum specified in 3.1.;		
3.2.2. in any direction within the space from which the lamp in question is visible, not exceed the maximum specified in 3.1.;		
3.2.3. however, a luminous intensity of 60 cd shall be permitted for parking lamps incorporated with stop lamps (see 3.1.2.) below a plane forming an angle of 5° with and downward from the horizontal plane;		

3.2.4. Moreover,

3.2.4.1. throughout the fields defined in Annex II the intensity of the light emitted shall be not less than 0.05 cd.

3.2.4.2. the requirements of section 2.2. of Annex V on local variations of intensity shall be observed.

3.3. The intensities shall be measured with the filament lamp(s) continuously alight and, in the case of devices emitting red light, in coloured light.

3.4. Annex V, to which reference is made in 3.2.1., gives particulars of the methods of measurement to be used.

4. TEST PROCEDURE

All measurements shall be carried out with colourless standard filament lamps of the types recommended for the parking lamp, and so regulated as to produce the normal luminous flux prescribed for those types of lamp.

5. COLOUR OF LIGHT EMITTED

The colour of the light emitted, measured by using a source of light with a colour temperature of 2854 K, corresponding to illuminant A of the International Commission on Illumination (CIE), shall be within the limits of the coordinates prescribed for the colour in question in Annex VI.

6. CONFORMITY OF PRODUCTION

Every parking lamp bearing an EEC component type-approval mark shall conform to the approved type and comply with the photometric conditions specified in item 3 and 5. Nevertheless, in the case of a parking light 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 item 4) shall be limited in each relevant direction to 80 % of the minimum values specified in 3.1. and 3.2.

7. NOTE CONCERNING COLOUR

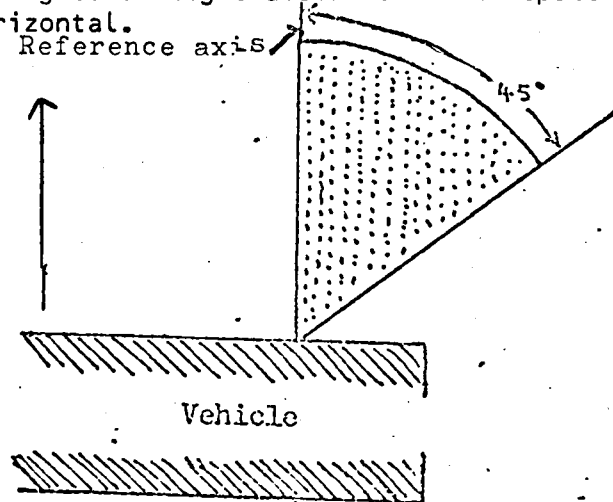
EEC component type-approval shall be granted if the colour of the parking light emitted is that laid down in item 3.13. of Annex I to Directive 76/756/EEC.

ANNEX IIMINIMUM ANGLES REQUIRED FOR THE LIGHT DISTRIBUTION
IN SPACE. (*)

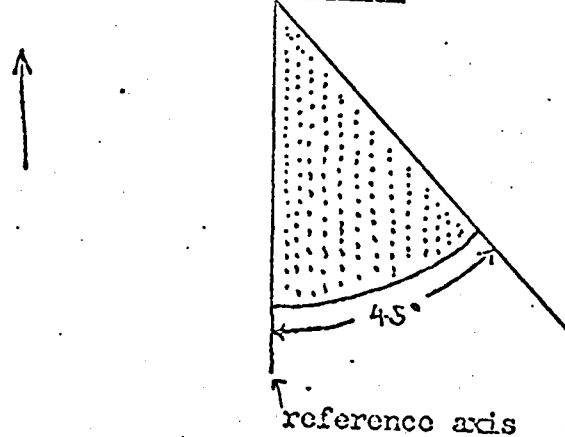
In all cases, the minimum vertical-angles of light distribution in space are 15° above and 15° below the horizontal.

Minimum horizontal angles
of light distribution
in space

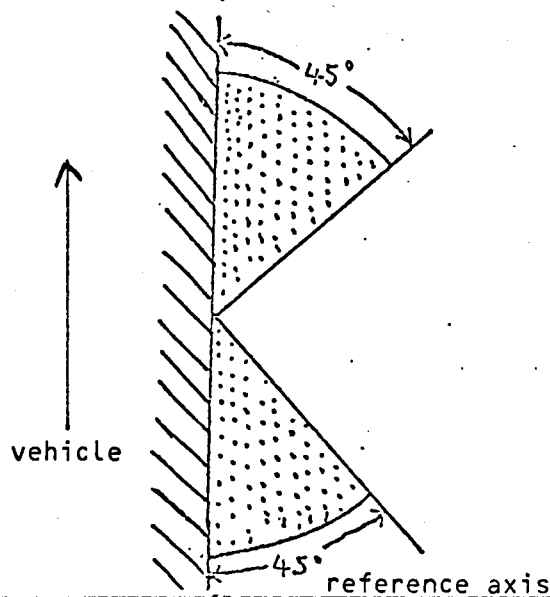
Front facing parking lamps



Rear facing parking lamps



Side parking lamps



(*) The angles shown in these diagrams are correct for devices to be mounted on the right side of the vehicle. The arrows point to the front of the vehicles.

ANNEX III

MODEL FOR AN EEC COMPONENT TYPE-APPROVAL CERTIFICATE
(Max. format: A 4 (210 x 297 mm))

Name of
competent authority

Notification concerning the grant, refusal or withdrawal of EEC
component type-approval for a type of parking lamp.

- Component type-approval number
1. Type of filament lamps
 2. Colour of light emitted :
 3. Trade name or mark
 4. Name and address of manufacturer
 5. If applicable, name and address of manufacturer's authorized
representative
 6. Submitted for EEC component type-approval on
 7. Technical service conducting EEC component type-approval tests ..
 8. Date of report issued by that service
 9. Number of report issued by that service
 10. Date of grant/refusal/withdrawal of EEC component type-approval (*)
 11. Single EEC component type-approval granted on the basis of item 3.3.
of Annex IV for a lighting and light-signalling device comprising
several lamps, and in particular :
.....
 12. Date of refusal/withdrawal of single EEC component type-approval (*)
.....
 13. Place
 14. Date
 15. Signature
 16. The attached drawing N° shows the geometrical position in
which the device is to be mounted on the vehicle and the axis of
reference and centre of reference of the device.
 17. Remarks
.....

(*) Delete where inapplicable.

ANNEX IVEEC COMPONENT TYPE-APPROVAL AND
MARKING REQUIREMENTS.

1. APPLICATION FOR EEC COMPONENT TYPE-APPROVAL
 - 1.1. The application for EEC component type-approval shall be submitted by the holder of the trade name or mark or by his authorized representative.
 - 1.2. For each type of parking lamp the application shall be accompanied by the following :
 - 1.2.1. a brief technical specification stating, in particular, the type of filament lamp or lamps prescribed;
 - 1.2.2. drawings (three copies), in sufficient detail to permit identification of the type of the parking lamp and showing geometrically the position in which the lamp is to be mounted on the vehicle, the axis of observation to be taken as the axis of reference in the tests (horizontal angle $H = 0^\circ$, vertical angle $V = 0^\circ$), and the point to be taken as the centre of reference in the said tests;
 - 1.2.3. two samples; if the parking lamps are such that they can be mounted only on one side of the vehicle, the two samples submitted may be identical and be suitable for mounting only on the right or only on the left side of the vehicle.
2. MARKINGS
 - 2.1. The samples of a type of parking lamp submitted for EEC type-approval shall bear :
 - 2.1.1. the trade name or mark of the applicant, which shall be clearly legible and indelible;
 - 2.1.2. a clearly legible and indelible marking indicating the type or types of filament lamp recommended;
 - 2.1.3. and incorporate a space large enough to contain the EEC component type-approval mark and the additional symbols prescribed in 4.3.; this space shall be shown in the drawings mentioned in 1.2.2.

3. EEC COMPONENT TYPE-APPROVAL

- 3.1. If the two samples submitted in accordance with item 1 meet the requirements of Annexes I, IV, V and VI, EEC component type-approval shall be granted and a type-approval number assigned.
- 3.2. This number shall not be assigned to any other type of parking lamp.
- 3.3. Where EEC component type-approval is requested for a type of lighting and light-signalling device comprising a parking lamp and other lamps, a single EEC component type-approval mark may be issued provided that the lamp in question complies with the requirements of this Directive and that each of the other lamps forming part of the lighting and light-signalling device for which EEC type-approval is requested, complies with the specific Directive applying to it.

4. MARKS

- 4.1. Every parking lamp conforming to a type approved under this Directive shall bear an EEC component type-approval mark.
- 4.2. This mark shall consist of a rectangle within which shall be placed the letter "e" in small type, followed by the distinguishing number or letter(s) of the Member State which has granted the type-approval :

1 for Germany
2 for France
3 for Italy
4 for the Netherlands
6 for Belgium
11 for the United Kingdom
13 for Luxembourg
DK for Denmark
IRL for Ireland

and an EEC component type-approval number, the same as that of the EEC type-approval certificate drawn up for the type of parking lamp.

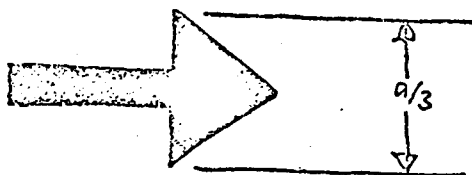
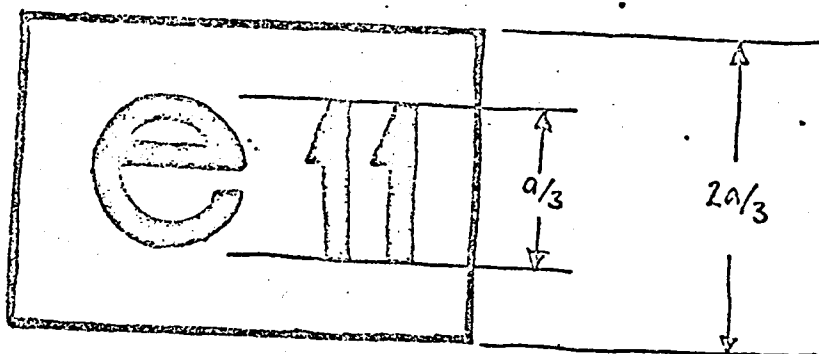
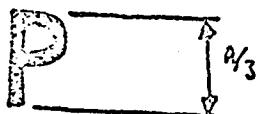
- 4.3. In the following cases the EEC component type-approval mark shall be supplemented by an additional symbol or symbols :
- 4.3.1. the letter "p" on devices meeting the requirements relating to parking lamps laid down by this Directive;
- 4.3.2. an arrow pointing towards the side on which the photometric specifications are satisfied up to an angle of 45° H on parking lamps whose geometric angles of visibility are asymmetrical in relation to the reference axis in a horizontal direction.

- 4.4. The EEC component type-approval number shall be placed in any convenient position near to the rectangle surrounding the letter "e".
- 4.5. The EEC component type-approval mark and the additional symbols shall be affixed on the lens of the lamp or one of the lenses in such a way as to be indelible and clearly legible even when the parking lamps are fitted on the vehicle.
- 4.6. Examples of EEC component type-approval marks and additional symbols are shown in the Appendix.
- 4.7. Where a single EEC component type-approval number is issued, as under item 3.3., for a type of lighting and light-signalling device comprising a parking lamp, and other lamps, a single EEC component type-approval mark may be affixed, consisting of :
- a rectangle within which shall be placed the letter "e" followed by the distinguishing number or letter(s) of the Member State which has granted the EEC type-approval,
 - the EEC component type-approval number,
 - the additional symbols prescribed by the various Directives under which EEC component type-approval has been granted.
- 4.8. The dimension of the various components of this mark shall not be less than the largest of the minimum dimensions specified for individual markings in the Directives under which EEC component type-approval has been granted.

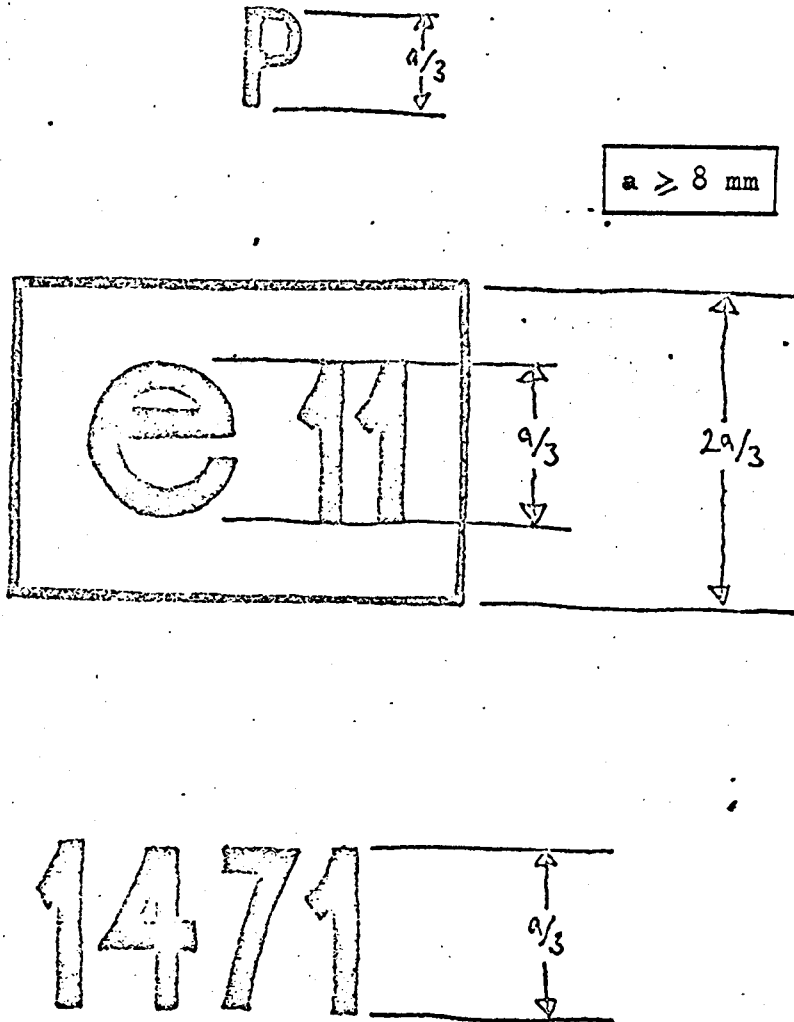
APPENDIX

EXAMPLES OF EEC COMPONENT TYPE-APPROVAL MARKS

$a \geq 0.2mm$



The device bearing the EEC component type-approval mark shown above is a parking lamp, EEC type-approved in the U.K. (e 11) under the number 1471. The arrow indicates the side on which the photometric specifications are satisfied up to an angle of 45° H.



The device bearing the EEC component type-approval mark shown above is a parking lamp, EEC type-approved in the UK (e 11) under the number 1471. The absence of an arrow means that, both right and left, the photometric specifications are satisfied up to an angle of 45° H.

- 2.1. The direction $H = 0^\circ$ and $V = 0^\circ$ corresponds to the reference axis. (On the vehicle it is horizontal, parallel to the median longitudinal plane of the vehicle and oriented in the required direction of visibility). It passes through the centre of reference. The values shown in the table give, for the various directions of measurements, the minimum intensities as a percentage of the minimum required in the axis for each lamp (in the direction $H = 0^\circ$ and $V = 0^\circ$).
- 2.2. If visual examination of a lamp appears to reveal substantial local variations of intensity, a check shall be made to ensure that no intensity measured between two of the directions of measurement referred to in 2.1. is :
- 2.2.1. for a minimum specification, below 50% of the lower of the two minimum intensities prescribed for these directions of measurement;
- 2.2.2. for a maximum specification, above the lower of the two maximum intensities prescribed for these directions of measurement, increased by a fraction, expressed as a linear function, of the difference between the intensities prescribed for the said directions of measurement.
-

ANNEX VICOLOUR OF LIGHT EMITTED
TRICHROMATIC CO-ORDINATES

RED	:	limit towards yellow	:	y	≤ 0.335
		" " purple	:	z	≤ 0.008
WHITE	:	limit towards blue	:	x	≥ 0.310
		" " yellow	:	x	≤ 0.500
		" " green	:	y	$\leq 0.150 + 0.640 x$
		" " green	:	y	≤ 0.440
		" " purple	:	y	$\geq 0.050 + 0.750 x$
		" " red	:	y	≥ 0.382
AMBER	:	limit towards yellow	:	y	≤ 0.429
		" " red	:	y	≥ 0.398
		" " white	:	z	≤ 0.007

For checking those colorimetric characteristics, a source of light at a colour temperature of 2854 K corresponding to illuminant A of the International Commission on Illumination (CIE) shall be used.
