SOUTH AFRICAN STANDARD

Motor vehicle safety specification

Lights and light-signalling devices installed on motor vehicles and trailers
(Incorporating Annex I of EEC Directive 76/756 ‘The installation of lights and light-signalling devices on motor vehicles and their trailers’ and the amending EEC Directives 80/233, 82/244, 83/276, 84/8 and 89/278, with modifications)
SOUTH AFRICAN BUREAU OF STANDARDS

MOTOR VEHICLE SAFETY SPECIFICATION

LIGHTS AND LIGHT-SIGNALLING DEVICES
INSTALLED ON MOTOR VEHICLES AND TRAILERS
(Incorporating Annex I of EEC Directive 76/756 ‘The installation of lights and light-signalling devices on motor vehicles and their trailers’ and the amending EEC Directives 80/233, 82/244, 83/276, 84/8 and 89/278, with modifications)

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Notice

This standard was approved in accordance with SABS procedures on 15 May 1990.

Manufacturers producing motor vehicles and trailers that are equipped with lights or light-signalling devices in accordance with this standard may, under a mark permit issued by the SABS, apply a certification mark to the commodity as evidence to the purchaser that the commodity is being made in accordance with this standard and that compliance with its requirements is ensured by tests and inspections carried out by the SABS.

NOTE 1 In terms of the Standards Act, 1993 (Act 29 of 1993), it is a punishable offence for any person other than a mark permit holder to apply a certification mark to a commodity or to refer to the SABS or any of its standards in a manner likely to create the impression that the commodity has been approved by the SABS. Furthermore, no person shall claim or declare that he or any other person complied with an SABS standard unless

a) such claim or declaration is true and accurate in all material respects, and

b) the identity of the person on whose authority such claim or declaration is made, is clear.

NOTE 2 It is recommended that authorities who wish to incorporate any part of this standard into any legislation in the manner intended by section 31 of the Act consult the SABS regarding the implications.

This standard will be revised when necessary in order to keep abreast of progress. Comment will be welcome and will be considered when the standard is revised.

Foreword

Edition 3 cancels and replaces all previous editions of the standard.
The technical committee responsible for this specification accepted most of the text of the Annex to EEC Directive 76/756 'The installation of lights and light-signalling devices on motor vehicles and their trailers' and the amending EEC Directives 80/233, 82/244, 83/276, 84/8 and 89/278, as suitable for publication, with modifications, as a South African standard.

The word "directive" is used in the EEC Directive but is not strictly appropriate in a South African standard and has been replaced by the word "specification". Changes have been made to certain parameters to bring them into line with the SI system of units as used in South Africa, and these are indicated in the text by the use of geometric type face. The values of the parameters in each case have remained unchanged.

Certain deviations and deletions from and additions to the EEC Directive have been made in accordance with the committee's decisions; the deletions mostly concern type approval aspects that are not acceptable to the South African system. Additions and deviations are identified by the use of geometric type face but, because they are numerous, they are not identified in this preface.

Deletions of whole sections are shown by the word "Deleted" in geometric type face printing.

To identify the amendment level of a specific section, if different from the original EEC Directive 76/756, the relevant amending directive reference is shown in the right-hand margin.
SABS 1046-1990

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MOTOR VEHICLE SAFETY SPECIFICATION

LIGHTS AND LIGHT-SIGNALLING DEVICES
INSTALLED ON MOTOR VEHICLES AND TRAILERS
(Incorporating Annex 1 of EEC Directive 78/758 'The installation of lights
and light-signalling devices on motor vehicles and their trailers' and
the amending EEC Directives 80/233, 82/244, 83/276, 84/8 and 88/278, with modifications)

0. SCOPE

0.1 This specification covers lights and light-signalling devices installed on a Category M, N or O vehicle,
with or without bodywork, with a maximum speed exceeding 25 km/h and intended for use
on a public road.

NOTE: The standards referred to in this specification are listed in Appendix 10.

1. DEFINITIONS

For the purposes of this specification:

1.1 Deleted.

1.2 Transverse plane

'Transverse plane' means a vertical plane perpendicular to the median longitudinal plane of the vehicle.

1.3 Unladen vehicle

'Unladen vehicle' means a motor vehicle including a chassis with cab if the manufacturer does not fit the bodywork,
in running order, including coolant, oils, fuel, spare wheel, tools, but without driver.

1.4 Laden vehicle

'Laden vehicle' means the vehicle loaded to its technically permissible maximum mass, as stated by the manufacturer,
who shall also fix the distribution of this mass between the axles in accordance with the method described in Appendix 1.

1.5 Lamp

'Lamp' means a device designed to illuminate the road (headlamp) or to emit a light signal. Rear registration plate
lamps and retro reflectors shall likewise be regarded as lamps.

1.5.0 Light source with regard to filament lamps

'Light source with regard to filament lamps' means the filament itself. (Where a lamp has several filaments, each one
shall constitute a light source.)

1.5.1 Equivalent lamps

'Equivalent lamps' means lamps having the same function and authorized in the country in which the vehicle is registered;
such lamps may have different characteristics from those installed on the vehicle when it is approved on condition that
they satisfy the requirements of this specification.

1.5.2 Independent lamps

'Independent lamp' means devices having separate illuminating\(^{(1)}\) surfaces, separate light sources and separate lamp
bodies.

\(^{(1)}\)In the case of lighting devices for rear number plates and Category 5 direction indicators that have no
illuminating surfaces, replace the word "illuminating" by the words "light-emitting".