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Road Illumination Devices for Motorcycles and Mopeds
摩托车和轻便摩托车道路照明装置

(English Translation)

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Road Illumination Devices for Motorcycles and Mopeds

1 SCOPE

This document specifies the classes and type determination, technical requirements and inspection rules of road illumination devices for motorcycles and mopeds, and describes the corresponding test methods.

This document is applicable to the road illumination devices for motor vehicles of Categories L_1 to L_5, e.g., passing-beam headlamps, driving-beam headlamps, adaptive driving beam (ADB), etc.

2 NORMATIVE REFERENCES

The following normative documents contain provisions which, through normative reference in this text, constitute essential provision of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendment) applies.

GB 4785 Prescription for installation of the external lighting and light-signaling devices for motor vehicles and their trailers

GB 18100 Provisions for the installation of lighting and light-signaling devices for motorcycles and mopeds

UN R37 Uniform provisions concerning the approval of filament light sources for use in approved lamps of power-driven vehicles and of their trailers

UN R99 Uniform provisions concerning the approval of gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles

UN R128 Uniform provisions concerning the approval of light emitting diode (LED) light sources for use in approved lamp units on power-driven vehicles and their trailers

3 TERMS AND DEFINITIONS

For the purpose of this document, the terms and definitions established in GB 4785 and GB 18100, as well as the following apply.

3.1 road illumination device (RID)

a unit or a group of units used to illuminate the road and objects in the vehicle forward direction to achieve one or more functions

Note: It includes passing-beam headlamp, driving-beam headlamp and ADB, as well as additional lighting unit

3.2 additional lighting unit

a constituent part of the RID and mainly providing the bend lighting for motorcycles

Note: Additional lighting unit generally consists of optical, mechanical and electrical components.

3.3 secondary driving-beam

a driving beam that operates together with the passing beam to achieve the driving-beam lighting effect

4 CLASSES AND TYPE DETERMINATION OF ROAD ILLUMINATION DEVICES

4.1 Classes of Headlamps

4.1.1 For headlamps emitting a symmetrical passing beam and/or a driving beam, the passing beam is of Class BS, Class CS or Class DS, while the driving beam is of Class BS, Class CS secondary driving-beam or Class DS secondary driving-beam; the use of Class A or Class B driving beam is also permitted.

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