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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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Garden patrol minibus -- Head lamps

非公路旅游观光车 前照灯

(English Translation)

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Foreword

Chapter 5 of this standard is mandatory, the rest are recommended.

This standard was drafted in accordance with rules GB/T 1.1-2009 given.

This standard is proposed and managed by the National cableway and rides Standardization Technical Committee (SAC/TC250).

Drafted by. National Construction Machinery Quality Supervision and Inspection Center, North Hella Lamp Co., Ltd., Shandong Lu Pui lights Shares Ltd., Suzhou benefits of high electric vehicles Manufacturing Co., Ltd., Shenzhen Maxi Er electric cars Limited, Shanxi Yongji battery depot.

1 Scope

This standard specifies the tourism-highway vehicle headlamp terms and definitions, different types of headlamps, requirements and test methods.

This standard applies to non-road tourist vehicle headlamps.

2 Normative references

The following documents for the application of this document is essential. For dated references, only applies to the version dated paper Pieces. For undated references, the latest edition (including any amendments) applies to this document.

GB 4599-2007 automobile headlamp with filament lamps GB 4785-2007 predetermined mounting and trailer exterior automotive lighting and optical signaling devices GB 15766.1-2008 lamp size for road vehicles, photovoltaic performance requirements

3 Terms and Definitions

The following terms and definitions apply to this document.

Headlamp

Lighting the road ahead of the vehicle, and the driver of the vehicle to other persons using the road without causing glare, or produce a sense of comfort lighting.

Light distribution Luminosity of visible light emitted by the lamp (illuminance or the emission intensity) distribution.

[GB 4599-2007, Definitions 3.1] 3.3 Mirror light distribution lens the outermost member of the transmission light beam by the light emitting surface.

[GB 4599-2007, the definition 3.4] 3.4 Coating Light microscopy with one or more layers of coating material on the outer surface products.

[GB 4599-2007, the definition 3.5] 3.5 Closed headlamp sealedbeamheadlamp Using a closed headlamp lighting group.

[GB 4599-2007, the definition 3.7] 3.6 Semi-enclosed headlamps headlampwithreplaceablefilamentlamp Using the semi-closed headlamp lighting group.

[GB 4599-2007, the definition 3.8] 3.7 Nominal voltage ratedvoltage Marked on the light bulb or a sealed pack voltage (unit. V).

[GB 4599-2007, definitions 3.10] 3.8 Nominal power ratedwattage A light bulb or a closed group (or the box) indicated power (unit. W).

[GB 4599-2007, definitions 3.11] 3.9 Light distribution screen measuringscreen Lamps with light test performance of the screen.

[GB 4599-2007, definitions 3.12] 3.10 Cutoff line Beam is projected onto a light distribution screen, the boundary was visually significant change in brightness perceived.

[GB 4599-2007, definitions 3.13] 3.11 HV point HVpoint Horizontal line passing through the center of the lamp to the reference light with the foot of the screen.

[GB 4599-2007, the definition 3.15.1] 3.12 hh line on the light distribution screen by a horizontal line HV point.

[GB 4599-2007, the definition 3.15.2] 3.13 vv line on the screen light distribution of the vertical line passing through the point HV.

[GB 4599-2007, the definition 3.15.3] 3.14 Standard filament lamps standardfilamentlamp
Measuring lamp light distribution properties, a filament having a geometrical dimensional tolerances colorless bulb (except amber bulb) and reduced, for each type of Standard filament lamps provide for a nominal voltage only.

[GB 4599-2007, definitions 3.16]

4 Different types of headlamps

The following contents are different for different types of headlamps sentence.

--- 17510;

--- by reflection, refraction, absorption or deformation and/or work, changing optical effect element;

--- with light microscopy and the coating material;

--- filament lamp type.

5.1 Basic requirements

5.1.1

headlamp outer surface without cracks, bubbles and other defects.

5.1.2

headlamp shall be white light color, chromaticity characteristics which should meet the predetermined 4785-2007 GB .

5.1.3

headlamp housing should indicate the applicable lamp type, voltage and power.

5.2 Basic parameters

The basic parameters of the headlamp shall meet the requirements in Table 1.

Table 1 Basic parameters headlamp

Nominal voltage/V nominal power/W 1235 ~ 65 2450 to 75

5.3.1 Insulation

Dielectric strength between live parts of the headlamp enclosure therewith of not less than 1Mohm.

5.3.2 Light distribution properties

5.3.2.1

on the light distribution screen, the light should have a significant near-cutoff line, which is a horizontal section taken along line vv on the left, to the right of the line HV-H1.

5.3.2.2

illuminance value on the light distribution screen to comply with Table 2, the measurement points shown in Figure 1

Table 2 illuminance value on the screen light distribution

Test point (region) luminance value/lx on the screen light distribution B50L ≤ 0.6 75R ≥ 9.6
 75L ≤ 14.4 50R ≥ 9.6 50L ≤ 18 50V ≥ 4.8 25L ≥ 1.6 25R ≥ 1.6 III area at any point
 ≤ 1.0 IV area at any point ≥ 2.4 I area at any point $\leq 2E50R$

Note 1: E50R illuminance value is measured with the test points on the light screen 50R.

Note 2: illuminance data listed in the table is from the center of the reference light illuminance value at 25m screen.

In millimeters

Screen light distribution of FIG.

5.3.3 Temperature Performance

Headlamps should work in test temperature, after which the test light distribution properties should meet the requirements of Table 2.

5.3.4 Vibration resistance

Headlamps should work in vibration test, the parts are not deformed, loose, falling off, breaking phenomenon, after which the test light distribution You should be able to meet the requirements of Table 2.

5.3.5 Stability of the light distribution properties

It should work in the headlamp light distribution performance stability test, after which a light distribution performance testing shall meet the requirements in Table 2.