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

GB 24965.2-2010

Traffic warning lights - Part 2: Yellow flashing warning lights

交通警示灯 第2部分：黄色闪烁警示灯

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Foreword

5.6 this section are mandatory, others are recommended. GB 24965 "Traffic Light" is divided into four parts.

--- Part 1. General;

--- Part 2. yellow flashing warning lights;

--- Part 3. fog lights;

--- Part 4. Temporary security warning light. This section GB Part of 224,965. This part of the National Traffic engineering facilities (highway) Standardization Technical Committee (SAC/TC223) and focal points. This section drafted by: Ministry of Communications Highway Research Institute, National Transportation Safety Facilities Quality Supervision and Inspection Center, Beijing in China Anke Technology Limited. The main drafters of this section. Lihong Qin, Dingwei Zhi, Ma Gong, Jiang Haifeng, Wang Lei, Han Cui Jing, Chen. Traffic Light Part 2. yellow flashing warning lights

1 Scope

GB 24965.2-2010 is the Chinese national standard on traffic warning lights - part 2: yellow flashing warning lights, in the field of services and company organization. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It

was issued on 9 August 2010 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 January 2011. Classification: ICS 03.220.20, CCS R84. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

GB 24965 of the provisions of this part of the yellow flashing warning light structure, classification and nomenclature, technical requirements, test methods, inspection rules and Signs, packaging, transportation and storage. This section applies to dangerous sections of the road set on yellow flashing warning lights.

2 Normative references

The following documents contain provisions which, through reference in this Part of GB 24965, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB 4599-2007 automobile headlamp with filament lamps (ECER1.1998, NEQ)

GB 14887-2003 road traffic lights

GB/T 24965.1-2010 traffic warning lights - Part 1. General

3 Terms and Definitions

The following terms and definitions apply to this section.

3.1 Reference axis geometricaxis Perpendicular to the surface of the horizontal plane of projection surface and a straight line through the geometric center. [GB 14887-2003, the definition 3.2]

3.2 Cover along side angle sideinclinationofvisor The apex angle of the line along with a glossy cover line connecting the centers of the horizontal cross-section through the center of the surface intercepted.

3.3 Cover along visor Yellow flashing warning lights mounted on the outer edge of the light-emitting unit, used to reduce the external light interference due to flashing yellow warning light school effect, Increase the brightness contrast and color saturation of the bezel signal.

3.4 Yellow flashing warning lights yellowflashingwarninglights Provided at dangerous

sections of road, the yellow flashing visual stimulation, warning the driver to ensure the safety of traffic signal lights Means.

4 Form and classification

4.1 Yellow flashing warning light from the light source, the control section, shade, shelter along the housing and mounting connectors, and the like.

4.2 Classification

4.2.1 translucent surface by emitting unit size can be divided into type $\phi 200\text{mm}$, $\phi 300\text{mm}$ and $\phi 400\text{mm}$ type type.

4.2.2 Classification by power supply should meet the GB/T 24965.1-2010 in 3.2 requirements.

4.2.3 divided by the type of light-emitting diode light source type, incandescent light source type and other types.

4.3 Model Model as follows: - - Company logo, generally in capital letters HS- Yellow flashing warning lights - - Specifications, the effective light-transmissive area Dimensions are in millimeters (mm) Source Type. 1

--- the LED light source; 2

--- incandescent Light source; 3

--- other sources

5 Technical requirements

5.1 Conditions Shall comply with GB/T 24965.1-2010

4.1 requirements.

5.2 Materials and Appearances Shall comply with GB/T 24965.1-2010

4.2 requirements.

5.3 Requirements cover along Yellow flashing warning light along with a cover, the cover along its length should not be less than

1.25 times the size of the translucent light-emitting surface, along the side of the cover angle should be less than 80° , along the cover wrap angle should not be less than 270° .

5.4 Optical Performance

5.4.1 Dimming Function According to the environmental illumination, flashing yellow warning lights shall be capable of day and night, two automatic dimming.

5.4.2 Intensity

5.4.2.1 flashing yellow warning light when two dimming state, the light intensity in the reference axis shall comply with the requirements of Table 1. Table 1 yellow flashing warning lights light-emitting surface on the light intensity of the reference axis Dimming level Intensity/cd Imin Imax Daytime 6003000 Night 150 300

5.4.2.2 flashing yellow warning light intensity distribution should meet the requirements of Figure 1.

Note 1. theta represents the reference axis as a center, respectively, left, right and down offset angle in degrees (°).

Note 2. A, B, C, D represents the reference axis as the center, divided into different regions of the observation angle.

Note 3. 100%, 50%, 12.5%, 7.5% represents the light intensity within the Area shall be less than specified in Table 1 of the reference axis of the minimum percentage of light intensity.

1 yellow flashing warning light intensity distribution

5.4.3 Color performance

5.4.3.1 flashing yellow warning light should use yellow, you should not use other patterns and text.

5.4.3.2 chromaticity coordinates yellow flashing warning lights shall be within the coordinates of the points in Table 2 for the vertex quadrilateral area, Figure 2 shows the chromaticity sit Plotting. 2 yellow warning lights flashing light color chromaticity coordinates of FIG. Table 2 yellow flashing warning lights light color chromaticity coordinates intersection of the boundary line intersection Chromaticity coordinates xy E 0.536

0.444 F 0.547

0.452 G 0.613

0.387 H 0.593 0.387

5.5 Dynamic performance visibility Yellow flashing warning lights daytime dynamic visual distance should not be less than 250m; nighttime dynamic visual distance should not be less than 500m.

5.6 flicker frequency Flashing yellow warning light flashing frequency shall be (45 ± 5) times/min, the flashing light and dark time ratio should be 1.1.

5.7 power requirements and security Shall comply with GB/T 24965.1-2010

4.3 requirements.