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

**中华人民共和国国家标准**

GB 5948-1998

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**Photometric characteristics of motorcycle headlamps**

**equipped with filament light sources**

**摩托车白炽丝光源前照灯配光性能**

**Issued on October 19, 1998**

**Implemented on October 01, 1999**

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**Issued by State Bureau of Quality and Technical Supervision**

# Contents

<b>Foreword</b> .....	1
<b>1 Scope</b> .....	2
<b>2 Normative References</b> .....	2
<b>3 Definitions</b> .....	2
<b>4 Technical requirements</b> .....	3
<b>5 Test methods</b> .....	6
<b>6 Inspection rules</b> .....	7
<b>Annex A (Normative) Photometric display of en-sealed beam headlamps equipped with S1, S2 or similar ones</b> .....	10
<b>Annex B (Normative) Photometric screen of sealed beam headlamps equipped with HS1 bulb or similar ones</b> .....	11

## Foreword

The GB 5948-86 *Photometric characteristics of Motorcycle Headlamps* has been revised by the Standard with the reference of the ECE No. 57 and 72 Regulation (E/ECE/324E/ECE/TRANG/505 Rev.1/Add. 56/Rev.1 September 1, 1995 & Rev.1/Add.71/Amend. 1/Corr. 1 August 25, 1995) and makes it equate the two regulations in the most important photometric requirements and other technical parameters.

For the Attachment of the above two ECE regulations, in 95 version, the "Photometric characteristics running stability test", "The entire light test equipped with plastic lens, part test and its material sample test" and the "Standard headlamp" mentioned in text of the ECE No. 72 regulation (95 version) are not included in this Standard.

This Standard includes requirements of the lamp holder additionally (the above ECE version doesn't include such content).

The description of main changed situations of the Standard and previous version (GB 5948-86):

- a) In the previous version, only referred to ECE No. 57 regulations in the early 1980s;
- b) Added management terms and its certification rules by comparing to the previous version, this Standard is deemed to mandatory national standards explicitly;
- c) Included the requirements for lamp holder to ensure interchangeability of use.

Since the implementation date of this Standard, DB 5948-86 is abolished.

In this Standard, both Annex A and Annex B are Normative Annex.

This Standard is proposed by State Bureau of Machine-Building Industry.

This Standard is under the jurisdiction of the National Automobile Standardization Technical Committee.

This Standard is drafted by the Shanghai Automotive Lamps Research Institute.

Main drafters of the Standard are: Zhou Guoping.

This Standard is first released in March 1986.

**National Standard of the People's Republic of China**  
**Photometric characteristics of motorcycle headlamps equipped with**  
**filament light sources**

GB 5948-1998

Replaced GB 5948-1986

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**1 Scope**

This Standard specifies the technical requirements, test methods and inspection rules etc. of the motorcycle headlamp incandescent filament light source (hereinafter referred to as the headlamp). This Standard applies to various types of headlamps used by L3, L4 and L5 class motorcycles (excluding light motorcycle).

**2 Normative References**

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 4599-1994 Photometric characteristics of headlamps for motor vehicles

GB/T 3978-1994 Standard illuminants and illuminating-viewing conditions

GB 15766.1-1995 Lamps for road vehicles--Dimensional electrical and luminous requirements

IEC Publication 61-2 Road Vehicle Lamp Cap

GB 4785-1998 Prescription for installation of the external lighting and light signalling devices for motor vehicles and their trailers

**3 Definitions**

Definition used in this Standard is same to GB 4599.

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