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

GB/T 30104.209-2013

**Digital addressable lighting interface -- Part 209: Particular
requirements for control gear -- Colour control (device type 8)**

数字可寻址照明接口 第209部分：控制装置的特殊要求 颜色控制（设备类型8）

(English Translation)

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Foreword

GB/T 30104 "digital addressable lighting interface" is divided into 13 parts.

- Part 101. General requirements systems;
- Part 102. General requirements for control devices;
- Part 103. General requirements for control equipment;
- Part.201. Particular requirements for control devices Fluorescent lamps (type 0);
- Part 202. Particular requirements for control devices Self - contained emergency lighting (type 1);
- Part 203. Particular requirements for control devices Discharge lamps (except fluorescent lamps) (type of equipment 2);
- Part 204. Particular requirements for control devices Low - pressure halogen lamps (type 3);

- Part 205. Particular requirements for control devices Incandescent lamp power supply voltage controller (type 4);
- Part 206. Special requirements for control devices Digital signals are converted to DC voltage (device type 5);
- Part 207. Particular requirements for control devices LED module (type of equipment 6);
- Part 208. Particular requirements for control devices - Switching function (type 7);
- Part 209. Particular requirements for control devices Color control (type of equipment 8);
- Part 210. Particular requirements for control devices Program device (type 9).

This part is part 20 of GB/T 30104.

This part is drafted in accordance with the rules given in GB/T 1.1-2009 and GB/T 20000.2-2009.

This part uses the translation method equivalent to the use of IEC 62386-209.:2011 "Digital addressable lighting interface Part 209. Control device Special requirements for color control (device type 8) ".

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Introduction

This part will be published in conjunction with GB/T 30104.101 and GB/T 30104.102. GB/T 30104 will be divided into several parts published separately for future revision and revision. Additional requirements will be added if necessary.

When referring to any of the provisions of GB/T 30104.101 or GB/T 30104.102, this part and the composition of GB/T 30104.2 x x the other parts of the column clearly specify the scope of application of the terms and the order in which the tests are conducted. If necessary, this part also includes additional requirements. group all parts of the GB/T 30104.2 xx series are independent and therefore do not contain references between each other.

GB/T 30104.101 or GB/T 30104.102 In this section, the words "in accordance with GB/T 30104.101 'n' of the requirements of the sentence, "the sentence can be interpreted as part of the provisions of Section 101 or Section 102 of all the requirements are Except for control devices that are applicable, but not applicable to the particular type of lamp contained in Section 209.

Unless otherwise noted, the figures used in this section are in decimal. Hexadecimal numbers are in 0xVV format, where VV is a number value. Binary numbers are in the format XXXXXXXXb or XXXXXXXX, where X is 0 or 1; "x" in binary means "no for consideration ".

Digital addressable lighting interface Part 209. Particular requirements for control devices
Color Control (Device Type 8)

1 Scope

This part of GB/T 30104 specifies the protocol and test procedures for controlling the variable light color of the digital signal of the electronic control unit.

Note: This part of the test finger type test. The special requirements specified in the standard do not include tests on separate control devices on the production line.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

Digital addressable lighting interfaces - Part 101. General requirements systems (IEC 62386-101.

2009, IDT)

Digital addressable lighting interface - Part 102. General requirements - Control devices (IEC 62386 -102..2009, IDT) CIE (1932) Assembly of the International Commission on Illumination 1931 Cambridge University Press Cambridge International lighting glossary ISBN9783900734077