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

GB/T 30104.208-2013

**Digital addressable lighting interface -- Part 208: Particular
requirements for control gear -- Switching function (device type
7)**

数字可寻址照明接口 第208部分：控制装置的特殊要求 开关功能(设备类型7)
(English Translation)

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Foreword

GB/T 30104 "Digital Addressable Lighting Interface" is divided into 13 parts.

- Part 101. General requirements for systems;
- Part 102. General requirements for the control device;
- Part 103. General requirements for control equipment;
- Part 201. control means special requirements for fluorescent lamps (device type 0);
- Part 202. Particular requirements for control self-contained emergency lighting (device type 1);
- Part 203. Particular requirements for control of discharge lamps (excluding fluorescent lamps) (device type 2);
- Part 204. control means special requirements for low-voltage halogen lamps (device type 3);
- Part 205. Particular requirements for control devices incandescent supply voltage controller (device type 4);
- Part 206. Particular requirements for digital signal control device into a DC voltage (device type 5);
- Part 207. control means special requirements of LED modules (device type 6);
- Part 208. control means special requirements for the switching function (device type 7);
- Part 209. control means special requirements for color control (device type 8);
- Part 210. control program means a special device requirements (device type 9).

This section GB/T Part of 20,830,104.

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

This section uses the translation method identical with IEC 62386-208:2009 "Digital addressable lighting interface - Part 208. control means Particular requirements for the switch function (device type 7). " this part is proposed by the China National Light Industry Council.

This part of the National Electric lighting Standardization Technical Committee (SAC/TC224) centralized.

Drafting this Part. Guangdong Product Quality Supervision and Inspection Institute, GUANGZHOU, Electrical Equipment Co., Ltd. Foshan City bright environment Tovey Engineering Co., Ltd., Hangzhou for Optoelectronic Technology Co., Ltd., Shanghai Yaming

Lighting Co., Ltd., Foshan City, China Electrical Lighting has Limited, Guzhen Town, Zhongshan City Productivity Promotion Center, Guangdong KAILESI Optoelectronics Technology Co., Ltd., Dongguan City Arima Power Technology Co., Beijing Institute of electric light.

Introduction

This section will be published simultaneously with the GB/T 30104.101 and GB/T 30104.102. The GB/T 30104 is divided into several parts published separately for future amendments and revisions. If necessary, add additional requirements.

When referring to GB/T 30104.101 or GB/T within 30104.102 any provisions of this section and the composition of GB/T 30104.2 xx Department Other parts of the column clearly defines the order in terms of scope and testing. If necessary, this section includes additional requirements. group to GB/T 30104.2 xx all parts of the series are independent, and therefore does not contain references to each other.

Requires that any provisions of GB/T 30104.101 or GB/T 30104.102 in this section to "in accordance with GB/T 30104.101 first 'N' chapter of the requirements, "a reference to the form of the sentence, the sentence could be interpreted as all requirements related to the provision of Section 101 or Section 102 are but it does not apply to Part 208 except the control device contains a particular type of lamp.

Unless otherwise stated, figures in this section are used in the decimal. Hexadecimal numbers using 0xVV format, several of which VV value. Binary digits or using XXXXXXXXXb XXXXXXXXX format, wherein X is 0 or 1; "x" means "not in binary for consideration. " Digital addressable lighting interface - Part 208.

Particular requirements for the control device switching function (Device type 7)

1 Scope

This section GB/T 30104 specifies the test methods and protocols for controlling the digital signal by the electronic control unit and its output only the "turn-on/turn-off."

2 Normative references

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

GB/T 30104.101-2013 digital addressable lighting interface - Part 101. General requirements for systems (IEC 62386-101.

2009, IDT)

GB/T 30104.102-2013 digital addressable lighting interface - Part 102. General requirements for control devices (IEC 62386-102:2009, IDT)

3 Terms and Definitions

GB/T 30104.101-2013 and GB/T 30104.102-2013 defined and the following terms and definitions apply to this document.

Virtual arc power level During the virtual dimming, calculated by the value obtained by the control device. It dimmable control device corresponds to the actual value.

Virtual dimming Control means having an adjustable light control device in the same manner the arc power command features. It is based on an appropriate definition of the gradient meter Operators virtual arc power level to provide a virtual dimming. Thus, when a virtual arc power level reaches or exceeds the threshold required to change output status.

Uplink turn-on threshold upswitch-onthreshold its value is constantly being virtual arc power level than the right, once the virtual arc power level up to reach or exceed this level, the control device the output is set to open.

Uplink shutdown threshold upswitch-offthreshold its value is constantly being virtual arc power level than the right, once the virtual arc power level up to reach or exceed this level, the control device the output is set off.

Downward turn-on threshold downswitch-onthreshold its value is constantly being virtual arc power level than the right, once the virtual arc power level drops to or below this level, the control device