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

GB/T 30104.333-2026

**Digital addressable lighting interface - Part 333: Particular
requirements for control devices - Manual configuration
(feature type 33)**

数字可寻址照明接口 第333部分：控制设备特殊要求 手动配置（特性类型33）
(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 333 of GB/T 30104 "Digital Addressable Lighting Interfaces". GB/T 30104 has the following parts published.

- Part 101: General Requirements for System Components;
- Part 102: General Requirements for Control Devices;
- Part 103: General Requirements for Control Equipment;
- Part 104: General Requirements for Wireless and Other Wired System Components;
- Part 150: Special Requirements for Auxiliary Power Supply;
- Part.201.Special Requirements for Control Devices for Fluorescent Lamps (Equipment Type 0);
- Part 202: Special Requirements for Control Devices - Self-Contained Emergency Lighting (Equipment Type 1);

- Part 203: Special Requirements for Control Devices Discharge lamps (excluding fluorescent lamps) (Equipment Type 2);
- Part 204: Special Requirements for Control Devices - Low-Pressure Halogen Tungsten Lamp (Equipment Type 3);
- Part 206: Special Requirements for Control Devices. Digital Signal Conversion to DC Voltage (Equipment Type 5);
- Part 207: Special Requirements for Control Devices - LED Modules (Equipment Type 6);
- Part 208: Special Requirements for Control Devices (Switching Function) (Equipment Type 7);
- Part 209: Special Requirements for Control Devices - Color Control (Equipment Type 8);
- Part 220: Special Requirements for Control Devices - Central Power Supply and Emergency Operation (Equipment Type 19);
- Part 221: Specific Requirements and Responses for Control Devices (Equipment Type 20);
- Part 222: Special Requirements for Control Devices - Thermal Lamp Protection (Equipment Type 21);
- Part 224: Special Requirements for Control Devices - Non-replaceable Light Sources (Equipment Type 23);
- Part 250: Special Requirements for Integrated Power Supply (Equipment Type 49);
- Part 301: Special Requirements for Input Device Buttons;
- Part 302: Special Requirements for Input Devices - Absolute Input Devices;
- Part 303: Special Requirements for Input Device Occupancy Sensors;
- Part 304: Special Requirements for Input Devices (Optical Sensors);
- Part 333: Manual configuration of special requirements for control equipment (characteristic type 33).

This document is modified to adopt IEC 62386-333:2018 "Digital addressable lighting interfaces - Part 333: Particular requirements for control equipment".

Dynamic configuration (feature type 33)).

The technical differences between this document and IEC 62386-333:2018, and the reasons therefor, are as follows.

---IEC 62386-103:2014/AMD1:2018 has been replaced by the normatively referenced GB/T 30104.103-2026 (see section 1).

Chapters 4.1, 4.2, 5, 6, 7, 8, 9.1, 9.3.1, 9.3.4, Tables 3, 4, 5, 6, 10 Conditions, increase operability;

---IEC 62386-103 (see Chapter 3) has been replaced with the normatively referenced GB/T 30104.103 to adapt to my country's technical requirements.

Add components and increase operability;

---IEC 61347-1 (see 4.3) has been replaced with the normatively referenced GB/T 19510.1 to adapt to my country's technical conditions and add [something related to compliance/restrictions].

Operability;

---IEC 62386-101:2014/AMD1:2018 has been replaced with the normatively referenced GB/T 30104.101-2025 (see GB/T 30104.101-2025).

11.11.1), to adapt to my country's technical conditions and increase operability.

The following editorial changes have been made to this document.

---IEC 61347 (all parts) has been replaced with GB/T 19510 (all parts) as cited in the informational reference (see Chapter 1);

(9.4.3.2, 9.4.3.3, Table 7, Table 8).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China National Light Industry Council.

This document is under the jurisdiction of the National Technical Committee on Standardization of Lighting Appliances (SAC/TC224).

Introduction

GB/T 30104 (all parts) describes a bus system for controlling electronic lighting equipment via digital signals, which is proposed to consist of the following Partial composition.

General requirements for wireless and other wired system components; Part 150 specifies the requirements for auxiliary power supply, which may be independent.

It can be built into a control device or control equipment.

Special requirements for control devices for specific types of light sources.

Special requirements for each type of input device.

GB/T 30104 is published as a series of standards, divided into several parts, providing specific regulations for various types of equipment, with the aim of facilitating the standardization process.

Use and maintenance.

This document will be used in conjunction with GB/T 30104.101 and GB/T 30104.103.

The structure of the series of standards is shown in Figure 1 below.

Figure 1 Overview of GB/T 30104

This clause applies. Additional requirements may be included in other sections where necessary.

Except for those used.

The standardization of control interfaces for control equipment aims to achieve compatibility between electronic ballasts and lighting control equipment at levels below the building management system level.

Coexistence and multi-master operation. This document describes a method for manually configuring a control device.

Unless otherwise stated, all numbers used in this document are decimal. Hexadecimal numbers are in the format 0xVV, where VV represents the number.

"Not under consideration." Use the following typographical methods.

Variable. "variable name" or "variable name [3.0]", only the 3rd to 0th characters of "variable name" are given.

Range of values. [minimum, maximum].

Command. "Command name".

Part 333: Special Requirements for Control Equipment Manual configuration (feature type 33)

1 Scope

This document specifies a bus system for digital signal control of electronic lighting equipment conforming to GB/T 19510 (all parts).

General requirements, electrical specifications, interface power supply, transmission protocol structure, timing, operation methods, variable declarations and instruction definitions.

This document applies only to control devices that support manual configuration as specified in GB/T 30104.103-2026.

Note: Testing requirements for individual products during the production process are not included.