



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

GB/T 30104.201-2021

**Digital addressable lighting interface - Part 201: Particular
requirements for control gear. Fluorescent lamps (device type
0)**

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Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General requirements	1
5 Electrical specifications	1
6 Interface power supply	2
7 Transmission protocol structure	2
8 Timing	2
9 Operation method	2
10 Variable declaration	2
11 Command definition	3
12 Test Procedure	3
Reference	5

Foreword

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

Drafting.

This document is part.201 of GB/T 30104 "Digital Addressable Lighting Interface". GB/T 30104 has released the following parts.

---Part 101. General requirements for system components;

---Part 102. General requirements control device;

---Part 103. General requirements for control equipment;

---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 (except fluorescent lamps) (equipment type 2);

---Part 204. Special requirements for control devices low-voltage tungsten halogen lamps

(equipment type 3);

---Part 205.Special requirements for control devices Incandescent lamp power supply voltage controller (equipment type 4);

---Part 206.Special requirements for control devices to convert digital signals into 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 functions (equipment type 7);

---Part 209.Special requirements for control devices color control (equipment type 8);

---Part 301.Special requirements input device buttons;

---Part 302.Absolute input devices with special requirements input devices;

---Part 303.Special requirements input device occupancy sensor;

---Part 304.Special requirements input device light sensor.

This document replaces GB/T 30104.201-2013 "Digital Addressable Lighting Interface Part.201.Special Requirements for Control Devices

Fluorescent lamp (equipment type 0)", compared with GB/T 30104.201-2013, except for structural adjustments and editorial changes, the main technical changes

as follows.

a) The references to sub-clauses in GB/T 30104.101 and GB/T 30104.102 are updated to the new standard structure (see 11.6);

b) Redesign the test sequence and replace the flow chart with pseudo code to describe the test sequence (see Chapter 12).

The translation method used in this document is equivalent to IEC 62386-201.2015 "Digital Addressable Lighting Interface Part.201.Control Device

Special requirements for fluorescent lamps (equipment type 0)".

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

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

Drafting organizations of this document. Zhejiang Jingri Technology Co., Ltd., National Electric Light Source Quality Supervision and Inspection Center (Beijing), Zhejiang Boshangguang

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Introduction

GB/T 30104 aims to standardize the digital addressable lighting interface, which is to be composed of the following parts.

It specifies the general requirements for control devices, and Part 103 specifies the general requirements for control equipment.

It is a special requirement to regulate the control device for a specific type of light source.

It is to regulate the special requirements of various types of input devices.

GB/T 30104 is divided into several parts and published as a series of standards, and specific regulations are made for each type of equipment, in order to facilitate the standardization

Use and maintenance.

This document will be used together with GB/T 30104.101 and GB/T 30104.102.

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

Figure 1 Overview of GB/T 30104

When this document refers to any clause of GB/T 30104.101 or GB/T 30104.102, this document and its composition

Include additional supplementary requirements.

The requirements that refer to any clause of GB/T 30104.101 or GB/T 30104.102 are referred to in this document as "fluorescent lamp control device (design

All the requirements of the provisions of Part 102 are applicable, except for the control devices that do not apply to the specific types of lamps included in Part.201.

Unless otherwise stated, all numbers used in this document are decimal numbers.

Hexadecimal numbers are given in 0xVV format, which

The "x" in the number means "any value".

Digital addressable lighting interface

Part.201.Special requirements for control devices

Fluorescent lamp (device type 0)

1 Scope

This document specifies a bus system controlled by digital signals of electronic lighting

equipment, which meets the requirements of IEC 61347.

This document applies to control devices related to fluorescent lamps.

Note. The test described in this document is a type test and does not include the test requirements for a single bus module during the production process.

2 Normative references

The content of the following documents constitutes an indispensable clause of this document through normative references in the text. Among them, dated quotations

Only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

This document.

GB/T 30104.101-2021 Digital Addressable Lighting Interface Part 101.General Requirements System Components (IEC 62386-

101.2014, IDT)

GB/T 30104.102-2021 Digital Addressable Lighting Interface Part 102.General Requirements Control Device (IEC 62386-

102.2014, IDT)

3 Terms and definitions

The terms and definitions defined in GB/T 30104.101-2021 and GB/T 30104.102-2021 apply to this document.

4 General requirements

In accordance with the requirements of Chapter 4 in GB/T 30104.102-2021, except for the following.

4.2 Extended version number

The format of the extended version number of this document is "xy", where the main extended version number x is a number from 0 to 62, and the minor extended version number y is 0 to 2

Number. When the extended version number is encoded as one byte, the main extended version number x should be placed in the 7th to the 2nd position, and the secondary extended version number y should be

Placed in the 1st to the 0th position.