



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

GB/T 30104.304-2021

**Digital addressable lighting interface - Part 304: Particular
requirements. Input devices. Light sensor**

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Table of Contents

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

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 304 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.

The translation method used in this document is equivalent to IEC 62386-304.2017 ``Digital Addressable Lighting Interface Part 304.Special Requirements

Input device light sensor".

The Chinese documents that have consistent correspondence with the normatively cited international documents in this document are as follows.

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

(IEC 62386-101.2014, IDT)

---GB/T 30104.103-2017 Digital Addressable Lighting Interface Part 103.General Requirements Control Equipment

(IEC 62386-103.2014, IDT)

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 simultaneously with GB/T 30104.101 and GB/T 30104.103.

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

Figure 1 Overview of GB/T 30104

The scope of application of this clause and the order in which the tests are carried out. If necessary, other parts also include additional supplementary requirements.

except.

The standardization of control equipment control interface is to achieve compatible coexistence and multi-master operation between electronic control equipment and lighting control equipment.

The level of this system is lower than the building management system. This document describes a method of implementing a light sensor.

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

Shows "any value".

Use the following typographical expressions.

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

The time value is expressed in minutes and seconds. mm.ss.

Value range. [minimum, maximum].

Command. "Command name".

Digital addressable lighting interface

Part 304.Special Requirements Input Devices

Light sensor

1 Scope

This document specifies the bus system controlled by the digital signal of electronic lighting equipment, which complies with IEC 61347 (all parts

) Requirements, and there is a DC power supply.

This document is only applicable to GB/T 30104.103-2017 and IEC 62386-103.2014/Amd1.2018 by light sensor

The degree information is passed to the input device of the lighting control system.

Note. Does not include testing requirements for individual products 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 30104.103-2017 Digital Addressable Lighting Interface Part 103.General Requirements Control Equipment (IEC 62386-103.2014, IDT)

IEC 62386-101 Digital Addressable Lighting Interface Part 101.General Requirements System Components (Digitaladdressable

lightinginterface-Part 101.Generalrequirements-Systemcomponents)

IEC 62386-103 Digital Addressable Lighting Interface Part 103.General Requirements Control Equipment (Digitaladdressable

lightinginterface-Part 103.Generalrequirements-Controldevices)

IEC 62386-103.2014/Amd1.2018 Digital Addressable Lighting Interface Part 103.Special Requirements Control Equipment

(Digitaladdressablelightinginterface-Part 103.Generalrequirements-Controldevices)

IEC 62386-333 Digital Addressable Lighting Interface Part 333.Special Requirements for Control Equipment Manual Configuration [Digitalad-

dressablelightinginterface-Part

333.Particularrequirementsforcontroldevices-Manualconfigura-

tion(featuretype333)]

3 Terms and definitions

The terms and definitions defined by IEC 62386-101 and IEC 62386-103 apply to this document.