

SLOVENSKI STANDARD SIST EN 62386-304:2018/oprA1:2023

01-maj-2023

Digitalni naslovljivi vmesnik za razsvetljavo - 304. del: Posebne zahteve - Vhodne naprave - Svetlobna tipala - Dopolnilo A1

Amendment 1 - Digital addressable lighting interface - Part 304: Particular requirements - Input devices - Light sensor

Digital adressierbare Schnittstelle für die Beleuchtung - Teil 304: Besondere Anforderungen - Eingabegeräte - Lichtsensor

Amendement 1 - Interface d'éclairage adressable numérique - Partie 304: Exigences particulières - Dispositifs d'entrée - Capteur de luminosité

48c5ac43143/sist-en-62386-304-2018-opra1-2023

Ta slovenski standard je istoveten z: EN 62386-304:2017/prA1:2023

<u>ICS:</u>

29.140.50	Instalacijski sistemi za razsvetljavo	Lighting installation systems
35.200	Vmesniška in povezovalna oprema	Interface and interconnection equipment

SIST EN 62386-304:2018/oprA1:2023 en

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN 62386-304:2018/oprA1:2023</u> https://standards.iteh.ai/catalog/standards/sist/617d22fd-9f64-439a-a226b48c5ac43143/sist-en-62386-304-2018-opra1-2023



34/1014/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: IEC 62386-304/AMD1 ED1	
DATE OF CIRCULATION:	CLOSING DATE FOR VOTING:
2023-03-17	2023-06-09
SUPERSEDES DOCUMENTS:	
34/781/CD, 34/802A/CC	

IEC TC 34 : LIGHTING			
SECRETARIAT:	SECRETARY:		
United Kingdom	Mr Petar Luzajic		
OF INTEREST TO THE FOLLOWING COMMITTEES:	PROPOSED HORIZONTAL STANDARD:		
	Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.		
FUNCTIONS CONCERNED:			
	QUALITY ASSURANCE SAFETY		
SUBMITTED FOR CENELEC PARALLEL VOTING	NOT SUBMITTED FOR CENELEC PARALLEL VOTING		
Attention IEC-CENELEC parallel voting			
The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft of Vote (CDV) is submitted for parallel voting.			
The CENELEC members are invited to vote through the 6-304-2018-opra1-2023 CENELEC online voting system.			

This document is still under study and subject to change. It should not be used for reference purposes.

Recipients of this document are invited to submit, with their comments, notification of

- any relevant patent rights of which they are aware and to provide supporting documentation,
- any relevant "in some countries" clauses to be included should this proposal proceed. Recipients are reminded that the enquiry stage is the final stage for submitting "in some countries" clauses. See AC/22/2007.

TITLE:

Amendment 1 - Digital addressable lighting interface - Part 304: Particular requirements - Input devices - Light sensor

PROPOSED STABILITY DATE: 2026

NOTE FROM TC/SC OFFICERS:

Copyright © **2023 International Electrotechnical Commission, IEC**. All rights reserved. It is permitted to download this electronic file, to make a copy and to print out the content for the sole purpose of preparing National Committee positions. You may not copy or "mirror" the file or printed version of the document, or any part of it, for any other purpose without permission in writing from IEC.

IEC CDV 62386-304 AMD 1 © IEC 2023

1

FOREWORD

2

- 2 This amendment has been prepared by committee TC34 Lighting / WG11 Control Interface.
- 3 The text of this amendment is based on the following documents:

FDIS	Report on voting
34C/XX/FDIS	34C/XX/RVD

4

5 Full information on the voting for the approval of this amendment can be found in the report on 6 voting indicated in the above table.

7 The committee has decided that the contents of this amendment and the base publication will
8 remain unchanged until the maintenance result date¹⁾ indicated on the IEC web site under
9 "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication
10 will be

11 • reconfirmed,

- 12 withdrawn,
- 13 replaced by a revised edition, or
- 14 amended.
- 15

16 The following proposals serve to amend ARD PREVERW

- 17 IEC 62386-304:2017 according to the decisions of IEC TC34 WG 11at their meeting in October
- 18 2021.
- 19 20

Proposal

21 SIST EN 62386-304:2018/oprA1:2023
 22 All pages https://standards.iteh.ai/catalog/standards/sist/617d22fd-9f64-439a-a226-

- 23 b48c5ac43143/sist-en-62386-304-2018-opra1-2023
- 24 Delete all references to IEC 62386-101:2014/AMD1.
- 25 Delete all references to IEC 62386-103:2014/AMD1.
- 26 Replace all dated references to IEC 62386-101 with IEC 62386-101:2022.
- 27 Replace all dated references to IEC 62386-103 with IEC 62386-103:2022. 28
- 29 30

34

36

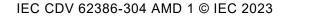
31 Page 6

3233 INTRODUCTION

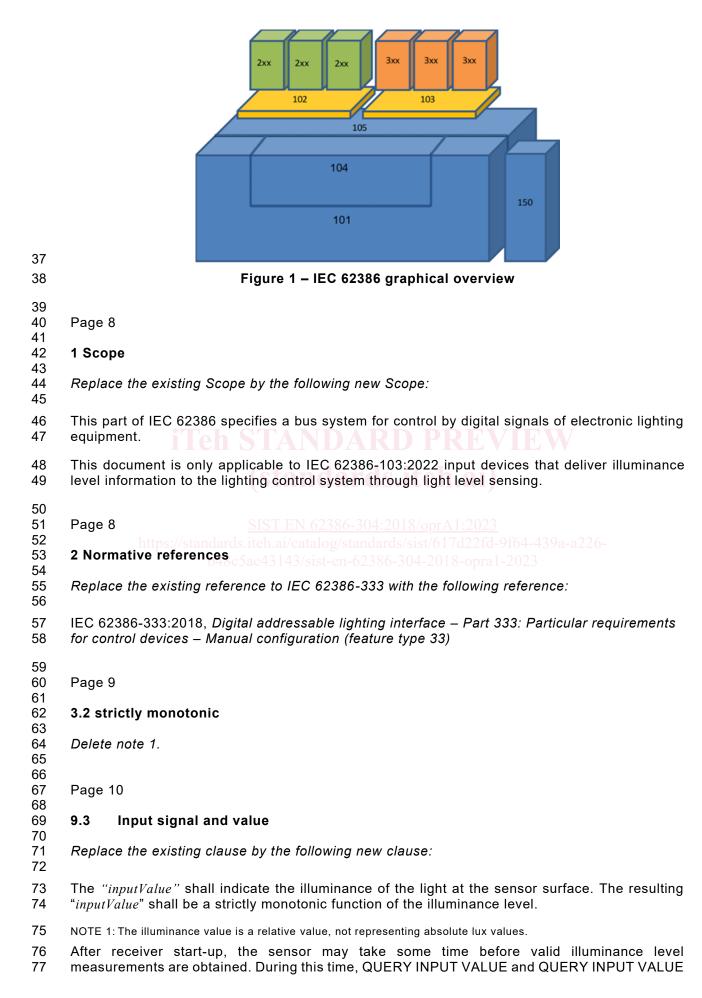
35 Replace the existing Figure 1 by the following new figure 1.

¹⁾ The National Committees are requested to note that for this publication the maintenance result date is

3



34/1014/CDV



IEC CDV 62386-304 AMD 1 © IEC 2023

- LATCH shall reply as if *"inputValue"* is MASK. After the first valid illuminance level measurement
 is obtained, *"inputValue"* shall not be MASK, except in the case of physical sensor failure (see
 9.6.1).
- 81 Examples of *"inputValue"* MASK values and highest valid values, for several values of *"resolution"*:
- "resolution" = 4: "inputValue" is a 1-byte value
- MASK is 0xFF, resulting in a QUERY INPUT VALUE reply of 0xFF.
- For a valid illuminance level measurement, the highest possible measured value is 0xE,
 which results in the 1-byte "*inputValue*" of 0xEE.
- *"resolution" =* 9: *"inputValue"* is a 2-byte value
 - MASK is 0xFFFF, resulting in a QUERY INPUT VALUE reply of 0xFF and a QUERY INPUT VALUE LATCH reply of 0xFF.
- For a valid illuminance level measurement, the highest possible measured value is 0x1FE,
 which results in the 2-byte "inputValue" of 0xFF7F.
- 92 "resolution" = 18: "inputValue" is a 3-byte value
- MASK is 0xFFFFFF, resulting in a QUERY INPUT VALUE reply of 0xFF and replies of 0xFF for each of the two QUERY INPUT VALUE LATCH commands sent after QUERY INPUT VALUE.
- For a valid illuminance level measurement, the highest possible measured value is 0x3FFFE, which results in the 3-byte "*inputValue*" of 0xFFFFBF.
- 98

88

89

- 99 Page 11
- 100 9.4.4 Event configuration
- 101 102 Replace the first paragraph by the following new first paragraph:
- Events shall be enabled or disabled according to the value of "*eventFilter*". For this document, "*eventFilter*" shall be reduced to one byte. No configuration of "*eventFilter*" shall prevent the periodic "INPUT NOTIFICATION" message triggered by the report timer (9.5.1).
- 106
- 107 9.4.5 Event generation
- 108 Replace the first sentence of the first paragraph with the following new sentence:
- The illuminance level event is a report of the measured value (see IEC 62386-103:2022, clause9.8).
- 111 *Replace "inputValue" throughout this clause with:*
- 112 measured value
- 113 *Replace figure 2 with the following:*

IEC CDV 62386-304 AMD 1 © IEC 2023

5

34/1014/CDV

