



SLOVENSKI STANDARD

oSIST prEN IEC 62386-351:2025

01-april-2025

Digitalni naslovljivi vmesnik za razsvetljavo - 351. del: Posebne zahteve - Nadzor procesa - Krmilne naprave, nameščene na svetilko

Digital addressable lighting interface - Part 351: Particular requirements - Control devices - Luminaire-mounted control devices

iTeh Standards
(<https://standards.iteh.ai>)

Ta slovenski standard je istoveten z: prEN IEC 62386-351:2025

[oSIST prEN IEC 62386-351:2025](https://standards.iteh.ai/catalog/standards/sist/7a299170-9c17-47cf-b7ad-4fad9ef8b9cd/osist-pren-iec-62386-351-2025)

<https://standards.iteh.ai/catalog/standards/sist/7a299170-9c17-47cf-b7ad-4fad9ef8b9cd/osist-pren-iec-62386-351-2025>

ICS:

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

oSIST prEN IEC 62386-351:2025

en



34/1294/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: IEC 62386-351 ED1	
DATE OF CIRCULATION: 2025-01-31	CLOSING DATE FOR VOTING: 2025-04-25
SUPERSEDES DOCUMENTS: 34/1049/NP, 34/1071A/RVN	

IEC TC 34 : LIGHTING	
SECRETARIAT: United Kingdom	SECRETARY: Mr Petar Luzajic
OF INTEREST TO THE FOLLOWING COMMITTEES:	HORIZONTAL FUNCTION(S):
ASPECTS CONCERNED:	
<input checked="" type="checkbox"/> 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 for Vote (CDV) is submitted for parallel voting. The CENELEC members are invited to vote through the CENELEC online voting system.	<input type="checkbox"/> NOT SUBMITTED FOR CENELEC PARALLEL VOTING

oSIST prEN IEC 62386-351:2025

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.

Recipients of this document are invited to submit, with their comments, notification of any relevant "In Some Countries" clauses to be included should this proposal proceed. Recipients are reminded that the CDV stage is the final stage for submitting ISC clauses. (SEE [AC/22/2007](#) OR [NEW GUIDANCE DOC](#)).

TITLE:

Digital addressable lighting interface – Part 351: Particular requirements – Control devices – Luminaire-mounted control devices

PROPOSED STABILITY DATE: 2028

NOTE FROM TC/SC OFFICERS:

Copyright © 2024 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.

CONTENTS

1	CONTENTS.....	2
2	FOREWORD	3
3	INTRODUCTION	5
4	1 Scope	6
5	2 Normative references	6
6	3 Terms and definitions	6
7	4 General	7
8	4.1 General	7
9	4.2 Version number	7
10	4.3 Insulation	7
11	5 Electrical specification	7
12	5.1 General	7
13	5.2 Bus voltage polarity	7
14	5.3 Switched-supply output	7
15	6 Integrated bus power supply and AUX power supply	7
16	6.1 General	7
17	6.2 Integrated bus power supply	8
18	6.3 Integrated AUX power supply	8
19	6.4 Bus power supply automatic detection and enablement	8
20	6.5 AUX power supply automatic detection and enablement	9
21	7 Transmission protocol structure	9
22	8 Timing	9
23	9 Method of operation	9
24	9.1 General	9
25	9.2 Types of luminaire-mounted control devices	10
26	9.3 Feature type	10
27	9.4 Electrical specification of AUX power supply consumption	10
28	9.5 Application controller arbitration	11
29	9.6 Marking on the control device	12
30	9.7 Memory bank	12
31	10 Declaration of variables	13
32	11 Definition of commands	13
33	Figure 1 – IEC 62386 graphical overview	5
34	Table 1 – Bus power supply current rating	8
35	Table 2 - Types of luminaire-mounted control devices	10
36	Table 3 - AUX power supply consumption requirements for type A control device	10
37	Table 4 - AUX power supply consumption requirements for type B control device	11
38	Table 5 - Memory bank 201	12
39	Table 6 - Declaration of device variables	13

INTERNATIONAL ELECTROTECHNICAL COMMISSION

DIGITAL ADDRESSABLE LIGHTING INTERFACE –

**Part 351: Particular requirements –
Control devices – Luminaire-mounted control devices**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

IEC 62386-351 has been prepared by IEC technical committee 34: Lighting. It is an International Standard.

a)

The text of this International Standard is based on the following documents:

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

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

93 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance
94 with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at
95 www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in
96 greater detail at www.iec.ch/standardsdev/publications.

97 This Part 351 of IEC 62386 is intended to be used in conjunction with:

- 98 • Part 101, which contains general requirements for system components;
- 99 • Part 103, which contains general requirements for control devices.

100 A list of all parts in the IEC 62386 series, published under the general title *Digital addressable lighting*
101 *interface*, can be found on the IEC website.

102 The committee has decided that the contents of this document will remain unchanged until the stability
103 date indicated on the IEC website under webstore.iec.ch in the data related to the specific document.
104 At this date, the document will be

- 105 • reconfirmed,
 - 106 • withdrawn,
 - 107 • replaced by a revised edition, or
 - 108 • amended.
- 109

IMPORTANT – The "colour inside" logo on the cover page of this document indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

110

111

(<https://standards.iteh.ai>)
Document Preview

[oSIST prEN IEC 62386-351:2025](https://standards.iteh.ai/catalog/standards/sist/7a299170-9c17-47cf-b7ad-4fad9cf8b9cd/osist-pren-iec-62386-351-2025)

<https://standards.iteh.ai/catalog/standards/sist/7a299170-9c17-47cf-b7ad-4fad9cf8b9cd/osist-pren-iec-62386-351-2025>