



SLOVENSKI STANDARD
oSIST prEN IEC 63544:2026
01-marec-2026

Vrtnarska razsvetljava - Svetila z vgrajenimi LED viri za vrtnarsko razsvetljava - Zmogljivost

Horticultural lighting - Luminaires incorporating LED sources for horticultural lighting - Performance

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

Ta slovenski standard je istoveten z: prEN IEC 63544:2025

[oSIST prEN IEC 63544:2026](https://standards.iteh.ai/catalog/standards/sist/9baf2d43-700d-4491-8980-880d58d9f2f3/osist-pren-iec-63544-2026)

<https://standards.iteh.ai/catalog/standards/sist/9baf2d43-700d-4491-8980-880d58d9f2f3/osist-pren-iec-63544-2026>

ICS:

29.140.40	Svetila	Luminaires
65.060.70	Vrtnarska oprema	Horticultural equipment

oSIST prEN IEC 63544:2026

en,fr,de



34/1405/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: IEC 63544 ED1	
DATE OF CIRCULATION: 2025-12-12	CLOSING DATE FOR VOTING: 2026-03-06
SUPERSEDES DOCUMENTS: 34/1310/CD, 34/1341A/CC	

IEC TC 34 : LIGHTING	
SECRETARIAT: United Kingdom	SECRETARY: Mr Petar Luzajic
OF INTEREST TO THE FOLLOWING COMMITTEES: SC 34D	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

<https://standards.iteh.ai/catalog/standards/sist/9baf2d43-700d-4491-8980-880d58d9f2f3/osist-pren-iec-63544-2026>

- 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: Horticultural lighting – Luminaires incorporating LED sources for horticultural lighting - Performance

PROPOSED STABILITY DATE: 2029

NOTE FROM TC/SC OFFICERS:

IEC CDV 63544 © IEC 2025

CONTENTS

1		
2		
3		
4	CONTENTS	1
5	FOREWORD	2
6	INTRODUCTION.....	4
7	1 Scope	5
8	2 Normative references	5
9	3 Terms and definitions	5
10	4 General requirements.....	10
11	5 Product classification	10
12	6 Product information	10
13	7 Test conditions	11
14	8 Input power	12
15	9 Radiometric performance.....	12
16	9.1 Photon flux.....	12
17	9.2 Photon flux efficacy	12
18	9.3 Photon intensity distribution.....	12
19	9.4 Spectral distribution of photon quantity.....	12
20	9.5 Photon irradiance	12
21	10 Maintenance characteristics of photon flux.....	13
22	11 Dimensions and construction	13
23	11.1 Dimensions	13
24	11.2 Construction.....	13
25	12 Thermal radiation effect.....	13
26	13 Verification.....	13
27	Annex A (informative) Information on thermal radiation from the horticultural luminaires to the plants	15
28		
29	Annex B (informative) Construction recommendations	17
30	Bibliography	18
31		
32		
33		
34		
35		