



SLOVENSKI STANDARD
SIST EN IEC 63356-1:2023/oprA1:2023
01-marec-2023

Značilnosti LED-svetlobnega vira - 1. del: Preglednice - Dopolnilo A1

Amendment 1 - LED light source characteristics - Part 1: Data sheets

Eigenschaften von LED-Lichtquellen - Teil 1: Datenblätter

Caractéristiques de source lumineuse à LED Partie 1: Feuilles de caractéristiques

Ta slovenski standard je istoveten z: EN IEC 63356-1:2022/prA1:2023

<https://standards.iteh.ai/catalog/standards/sist/c6a31010-b8a4-45c3-8c8a-617ad1e33178/sist-en-iec-63356-1-2023-opra1-2023>

ICS:

29.140.01 Žarnice na splošno Lamps in general

SIST EN IEC 63356-1:2023/oprA1:2023 en



34A/2319/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

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IEC SC 34A : ELECTRIC LIGHT SOURCES	
SECRETARIAT: United Kingdom	SECRETARY: Mr Petar Luzajic
OF INTEREST TO THE FOLLOWING COMMITTEES: TC 34, SC 34B, SC 34C, SC 34D	PROPOSED HORIZONTAL STANDARD: <input type="checkbox"/> Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.
FUNCTIONS CONCERNED: <input type="checkbox"/> EMC <input type="checkbox"/> ENVIRONMENT <input type="checkbox"/> QUALITY ASSURANCE <input type="checkbox"/> SAFETY	
<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

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TITLE:

Amendment 1 - LED light source characteristics - Part 1: Data sheets

PROPOSED STABILITY DATE: 2026

NOTE FROM TC/SC OFFICERS:

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1 **Proposal to amend IEC 63356-1 clause 4.1 as follows:**

2 Replace “Unless otherwise specified, mechanical dimensions refer to a temperature of (25 ±
3 5) °C.” by “Unless otherwise specified, dimensions are specified at a temperature of (25 ± 5) °C.”

4 **Proposal to amend IEC 63356-1 data sheet table structure as follows:**

5 *Clause 4.3.1: Add the following introductory text*

6 Tables 1A, 1B and 1C provide a summary of data sheets for non-integrated, semi-integrated
7 and integrated single-capped LED lamps respectively.

8 *Clause 4.3.1: Add the following table caption placeholders*

9 **Table 1B – List of data sheets for semi-integrated single-capped LED lamps**

10 Void

11 **Table 1C – List of data sheets for integrated single-capped LED lamps**

12 Void

13 *Clause 4.3.2: Add the following introductory text*

14 Tables 2A, 2B and 2C provide a summary of data sheets for non-integrated, semi-integrated
15 and integrated double-capped LED lamps respectively.

16 *Clause 4.3.2: Replace existing Table 1 with the following Table 2A*

17 **Table 2A – List of data sheets for non-integrated double-capped LED lamps**

Sheet no. 63356-1-IEC- 2xx-xxxx	Shape	Nominal length mm	Rated diameter mm	Rated current	Power range W	Cap
200-0001-1	linear	600	25,5	0,35 A DC	7,9 to 16,6	GX16t-5
200-0002-1	linear	600	32,5	0,35 A DC	7,9 to 16,6	GX16t-5
200-0003-1	linear	900	25,5	0,35 A DC	11,0 to 24,8	GX16t-5
200-0004-1	linear	900	32,5	0,35 A DC	11,0 to 24,8	GX16t-5
200-0005-1	linear	1 200	25,5	0,35 A DC	14,3 to 33,3	GX16t-5
200-0006-1	linear	1 200	32,5	0,35 A DC	14,3 to 33,3	GX16t-5
200-0007-1	linear	1 500	25,5	0,35 A DC	14,3 to 42,0	GX16t-5
200-0008-1	linear	1 500	32,5	0,35 A DC	14,3 to 42,0	GX16t-5
200-0009-1	linear	2 400	25,5	0,35 A DC	28,7 to 66,5	GX16t-5
200-0010-1	linear	2 400	32,5	0,35 A DC	28,7 to 66,5	GX16t-5

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19 *Clause 4.3.2: Add the following table caption placeholder*

20 **Table 2B – List of data sheets for semi-integrated double-capped LED lamps**

21 Void

22 *Clause 4.3.3: Add the following introductory text*

23 Tables 3A, 3B and 3C provide a summary of data sheets for non-integrated, semi-integrated
24 and integrated LED modules respectively.

25 *Clause 4.3.3: Add the following table caption placeholders*

26 **Table 3A – List of data sheets for non-integrated LED modules**

27 Void

28 **Table 3B – List of data sheets for semi-integrated LED modules**

29 Void

30 **Table 3C – List of data sheets for integrated LED modules**

31 Void

32 **Proposal to amend IEC 63356-1 to include data sheets for GH36d capped LED lamps as**
33 **follows:**

34 *Clause 4.3.1: Add the following new Table 1A*

35 **Table 1A – List of data sheets for non-integrated single-capped LED lamps**

36	Sheet no. 63356-1-IEC- 1xx-xxxx	Shape	Rated diameter mm	Rated current	Power range W	Cap
37	100-0001-1	round	50	0,25 A DC	5,0 to 12,5	GH36d-1
38	100-0002-1	round	50	0,35 A DC	7,0 to 17,5	GH36d-2
39	100-0003-1	round	50	0,5 A DC	10,0 to 25,0	GH36d-3
40	100-0004-1	round	50	0,7 A DC	14,0 to 35,0	GH36d-4
41	100-0005-1	round	50	0,9 A DC	18,0 to 45,0	GH36d-5
42	100-0006-1	round	50	1,1 A DC	22,0 to 55,0	GH36d-6

43 *New clauses: Add the following as a new clauses 5.1, 5.1.1 and 5.1.2.*

44 *Add the new Figure 1 and renumber subsequent figures (existing Figure 1 → Figure 2). Also,*
 45 *update the reference to existing Figure 1 in clause 6.1.1.*

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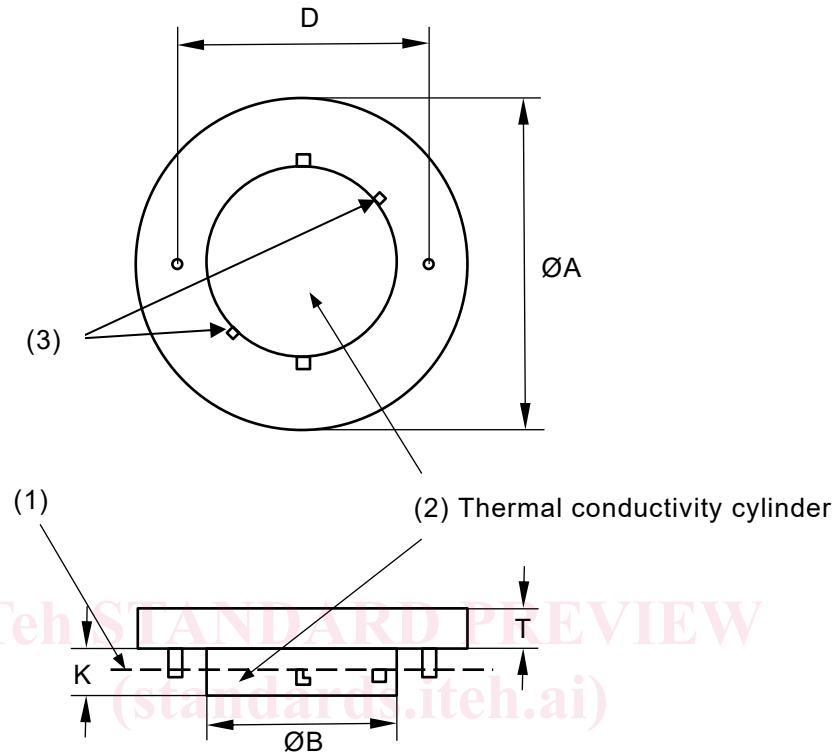
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47 **5.1 Single-capped LED lamps with GH36d caps**48 **5.1.1 Diagrammatic information for location of lamp dimensions**

49 Figure 1 shows the dimensions used in conjunction with the relevant data sheet for a GH36d
50 LED lamp.



51 (1) Reference plane

52 (2) The GH36d capped LED lamp is designed to be applied to a heat sink and in combination with the appropriate
53 key system to differentiate between input power combinations.

54 (3) Key position

55 NOTE: Details about key position are shown in IEC 60061-1 sheet 7004-186.

56 **Figure 1 – Location of dimensions of single-capped lamps with a GH36d cap**

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5.1.2 Data sheets

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Data sheet 63356-1-IEC-100-0001-1:

60

Nominal diameter mm	Rated DC lamp current A	Range of lamp power W	Cap
50	0,25	5,0 to 12,5	GH36d-1

Dimensions mm								
A		B		D	K		T	
Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
49,5	50,5	24,9	25,2	36,0	8,5	9,0	5,5	30,0

Electrical characteristics			
DC test current A		DC lamp voltage V	
0,25		Min.	Max.
		20	50

Information for controlgear design		
Type of controlgear	Constant DC current output SELV or PELV	
DC output voltage range for the constant DC current	V	
	Min.	Max.
	20	50
Tolerance of the constant DC current	±10 %	

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63 Data sheet 63356-1-IEC-100-0002-1:

Nominal diameter mm	Rated DC lamp current A	Range of lamp power W	Cap
50	0,35	7,0 to 17,5	GH36d-2

Dimensions mm								
A		B		D	K		T	
Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
49,5	50,5	24,9	25,2	36,0	8,5	9,0	5,5	30,0

Electrical characteristics			
DC test current A		DC lamp voltage V	
0,35		Min.	Max.
		20	50

Information for controlgear design		
Type of controlgear	Constant DC current output SELV or PELV	
DC output voltage range for the constant DC current	V	
	Min.	Max.
	20	50
Tolerance of the constant DC current	±10 %	

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66 Data sheet 63356-1-IEC-100-0003-1:

Nominal diameter mm	Rated DC lamp current A	Range of lamp power W	Cap
50	0,5	10,0 to 25,0	GH36d-3

Dimensions mm								
A		B		D	K		T	
Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
49,5	50,5	24,9	25,2	36,0	8,5	9,0	5,5	30,0

Electrical characteristics			
DC test current A		DC lamp voltage V	
0,5		Min.	Max.
		20	50

Information for controlgear design		
Type of controlgear	Constant DC current output SELV or PELV	
DC output voltage range for the constant DC current	V	
	Min.	Max.
	20	50
Tolerance of the constant DC current	±10 %	

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70 Data sheet 63356-1-IEC-100-0004-1:

Nominal diameter mm	Rated DC lamp current A	Range of lamp power W	Cap
50	0,7	14,0 to 35,0	GH36d-4

Dimensions mm								
A		B		D	K		T	
Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
49,5	50,5	24,9	25,2	36,0	8,5	9,0	5,5	30,0

Electrical characteristics			
DC test current A		DC lamp voltage V	
0,7		Min.	Max.
		20	50

Information for controlgear design		
Type of controlgear	Constant DC current output SELV or PELV	
DC output voltage range for the constant DC current	V	
	Min.	Max.
	20	50
Tolerance of the constant DC current	±10 %	

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73 Data sheet 63356-1-IEC-100-0005-1:

Nominal diameter mm	Rated DC lamp current A	Range of lamp power W	Cap
50	0,9	18,0 to 45,0	GH36d-5

Dimensions mm								
A		B		D	K		T	
Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
49,5	50,5	24,9	25,2	36,0	8,5	9,0	5,5	30,0

Electrical characteristics			
DC test current A		DC lamp voltage V	
		Min.	Max.
0,9		20	50

Information for controlgear design		
Type of controlgear	Constant DC current output SELV or PELV	
DC output voltage range for the constant DC current	V	
	Min.	Max.
	20	50
Tolerance of the constant DC current	±10 %	

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77 Data sheet 63356-1-IEC-100-0006-1:

Nominal diameter mm	Rated DC lamp current A	Range of lamp power W	Cap
50	1,1	22,0 to 55,0	GH36d-6

Dimensions mm								
A		B		D	K		T	
Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
49,5	50,5	24,9	25,2	36,0	8,5	9,0	5,5	30,0

Electrical characteristics		
DC test current A		DC lamp voltage V
		Min.
		20
		Max.
		50

Information for controlgear design		
Type of controlgear	Constant DC current output SELV or PELV	
	V	
	Min.	Max.
DC output voltage range for the constant DC current	20	50
Tolerance of the constant DC current	±10 %	

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