



TEST REPORT ANSI/UL 153-2024 Standard for Safety - Portable Electric Luminaires		
Report Number..... : AOC251202004S Date of issue..... : December 2, 2025 Total number of pages : 13 pages		
Name of Testing Laboratory preparing the Report : Shenzhen AOCE Electronic Technology Service Co., Ltd		
Applicant's name : Shenzhen Hondo Lighting Technology Co., Limited Address..... : 5F, Building C, Zhongyu Green Hi tech Industrial Park, Wenge Road, Heshuikou Community, Matian Street, Guangming New District, Shenzhen City, Guangdong Province, China		
Test specification: Standard..... : ANSI/UL 153-2024 Test procedure : Safety Test Non-standard test method : N/A		
Test item description..... : LED Desk Lamp Trade Mark..... : N/A Test Date..... : November 25, 2025 - December 2, 2025 Model/Type reference..... : HD-ZD0501, HD-ZD0502, HD-ZD0503, HD-ZD0504, HD-ZD0505, HD-ZD0506, HD-ZD0507, HD-ZD0508, HD-ZD0509, HD-ZD0510 Ratings..... : Input Rated: AC 100-240V~, 50/60Hz Output Rated: DC 5V, 3.1A Max		
Testing location/ address.....		Shenzhen AOCE Electronic Technology Service Co., Ltd Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China
Tested by.....		WanYang Ye Technical Engineer <i>WanYang Ye</i>
Approved by		Bill Hu Technical Manager <i>Bill Hu</i>

General remarks:

This report shall not be reproduced except in full without the written approval of the testing laboratory.
The test results presented in this report relate only to the item tested.
In this test report, "P" means "Pass", "F" means "Fail", "N/A" means "Not Applicable".

General product information:

- Unless otherwise specified, the model HD-ZD0501 was chosen as representative model to perform all test.

Components:

object/part No.	manufacturer/ trademark	type/model	technical data	mark(s) of conformity
Cord	Various	Various	Min. 24AWG, 300V, 80°C	UR
metal	Various	Various	5VA, Min1.7mm, 130°C	E69414

ANSI/UL 153-2024			
Clause	Requirement + Test	Result - Remark	Verdict

1	Scope		P
	Cover portable luminaires at 120 volts.....:		—

4	General		P
4.1	Components..... :	Comply with standards	—

	CONSTRUCTION		P
7	General		P
8	Assembly and Packaging		P
9	Enclosures		P
10	Metal Thickness for Enclosures		P
11	Corrosion Protection		N/A
12	Polymeric Enclosures		P
13	Decorative Parts		N/A
14	Enclosure Openings		N/A
15	Wireways and Tubing		N/A
16	Shade Construction		N/A
17	Strain Relief		P
18	Portable Luminaires Having Play Value		N/A
19	Resistance to Liquid Damage		P
20	Portable Luminaire Containing Hazardous Substance		N/A

	INCANDESCENT UNITS		P
21	General		P
22	Assembly and Packaging		P
23	Accessibility of Live Parts		N/A
24	Electrical Spacings		N/A
25	Insulating Materials		P
26	Electrical Ratings		P
27	Wiring and Conductors		P
27.1	Conductor size		P

ANSI/UL 153-2024			
Clause	Requirement + Test	Result - Remark	Verdict
27.2	Temperature and voltage rating		P
28	Splices and Connections		N/A
29	Wiring Attached to Movable or Flexible Parts		N/A
30	Protection of Wiring		P
31	Power-Supply Cords		P
32	Attachment Plugs		N/A
33	Interconnected Units		N/A
34	Alternate Power-Supply Connections		N/A
35	Polarization and Identification		N/A
36	Grounding and Bonding		N/A
37	Electronic Circuits		P
38	Secondary Low Voltage Circuits		N/A
39	Separation of Secondary Circuit Conductors		N/A
40	Separation of Communication Circuit Conductors		N/A
41	Component Mounting		P
42	Lampholders		N/A
42.1	General		N/A
42.2	Incandescent lampholders		N/A
42.3	Fluorescent lampholders		N/A
43	Switches and Dimmers		N/A
44	Receptacles		N/A
45	Transformers		N/A
46	Motors		N/A
46A	Overcurrent Protection		N/A
47	Portable Luminaires with Batteries		N/A

	INCANDESCENT UNITS – SUPPLEMENTARY		N/A
48	General		N/A
49	Temperature Test-Exempt Units		N/A
49.1	General		N/A
49.2	Determination of temperature test-exempt status		N/A

ANSI/UL 153-2024			
Clause	Requirement + Test	Result - Remark	Verdict
49.3	Shade designation		N/A
49.4	Lamp-to-shade spacing		N/A
49.5	Wire insulation temperature rating		N/A
49.6	Other shade designs		N/A
50	Incandescent Torchiere		N/A
51	Tests		N/A
51.1	Normal temperature test		N/A
51.2	Incandescent torchiere abnormal operation tests		N/A
51.3	Torchiere input test		N/A
52	Markings		N/A
53	Instructions		N/A

	GENERAL – NORMAL TEMPERATURE TEST	P
143	General	P
144	Test Method – General	P
144.1	Temperature limits	P
144.2	Test duration	P
144.3	Temperature measurement by thermocouple	P
144.4	Temperature measurement by change-of-resistance	N/A
144.5	Ambient temperature measurement	P
144.6	Test voltage, current, and wattage	P
144.7	High intensity discharge lamp nominal test conditions	N/A
144.8	Incandescent test lamps	N/A
144.9	Tungsten-halogen test lamps	N/A
144.10	Fluorescent test lamps	N/A
144.11	High intensity discharge test lamps	N/A
144.12	Shade positions and decorative parts	N/A
144.13	Portable luminaires with secondary batteries	N/A
145	Specific Test Conditions – Free Standing and Surface Mounted Units	N/A
145.1	General	N/A
145.2	Test results	N/A
146	Specific Test Conditions – Portable Cabinet Lights	N/A
146.1	Other than pot style	N/A
146.2	Pot style	N/A

ANSI/UL 153-2024			
Clause	Requirement + Test	Result - Remark	Verdict

146.3	Test results		N/A
147	Specific Test Conditions - Work Lights		N/A
147.1	General		N/A
147.2	Test results		N/A
148	Specific Test Conditions - Portable Hand Lights		N/A
148.1	General		N/A
148.2	Test results		N/A

	GENERAL – ABNORMAL OPERATION TESTS		P
149	Adjustable Position or Multiple Shade Abnormal Operation Test	Adjustable Position	P
149.1	General		P
149.2	Test method - general		P
149.3	Test method - adjustable or flexible shade position	adjustable	P
149.4	Test method - multiple shades		N/A
149.5	Test method - folding position		N/A
149.6	Test results		P
150	Transformer Short-Circuited Test		N/A
150.1	General		N/A
150.2	Test method		N/A
150.3	Test results		N/A
151	Component Fault Test		N/A
151.1	General		N/A
151.2	Test method		N/A
151.3	Test results		N/A
152	Conductor Short Circuit and Abnormal Operation Test		N/A
152.1	General		N/A
152.2	Test method - short circuit		N/A
152.3	Test method - abnormal operation		N/A
152.4	Test results		N/A

	GENERAL – MECHANICAL TESTS		P
153	Stability Test		P
153.1	General		P
153.2	Test method - general		P
153.3	Test method - units with flexible or articulated arm		P
153.4	Test method - units having provisions for loading		N/A

ANSI/UL 153-2024			
Clause	Requirement + Test	Result - Remark	Verdict
153.5	Test results		N/A
154	Strain Relief Test		N/A
154.1	General		N/A
154.2	Test method		N/A
154.3	Test results		N/A
155	Drop Test		P
155.1	General		P
155.2	Test method		P
155.3	Test results		P
156	Security of Screws Test		N/A
156.1	General		N/A
156.2	Test method		N/A
156.3	Test results		N/A
157	Power-Supply Cord Twist Test		N/A
157.1	General		N/A
157.2	Method		N/A
157.3	Results		N/A

	GENERAL – ELECTRICAL TESTS		P
158	Grounding Continuity Test		N/A
158.1	General		N/A
158.2	Test method		N/A
158.3	Test results		N/A
159	Dielectric Voltage-Withstand Test	See below form	P
159.1	General		P
159.2	Test method		P
159.3	Test results		P
160	Low Voltage Hinged or Movable Part Cycling Test		N/A
160.1	General		N/A
160.2	Test method		N/A
160.3	Test results		N/A
161	Resistance to Moisture Test	See below form	P
161.1	General		P
161.2	Test method		P
161.3	Test results		P

	INCANDESCENT UNIT TESTS		N/A
162	Torchiere Input Test		N/A
162.1	General		N/A

ANSI/UL 153-2024			
Clause	Requirement + Test	Result - Remark	Verdict
162.2	Test method		N/A
162.3	Test results		N/A
163	Lamp Harp Torque Test		N/A
163.1	General		N/A
163.2	Test method		N/A
163.3	Test results		N/A
164	Lampshade Ease of Ignition Test		N/A
164.1	Genera		N/A
164.2	Test method		N/A
164.3	Test results		N/A

Test Result:

--	Input Test				P
Model	Input Voltage	Current	Power	Power Factor	--
HD-ZD0501	AC 120V	0.146A	8.59W	--	--

154	Strain Relief Test			N/A
Model	Test method		Result	--
--	--		--	--
Test Photo:				

159	Production-Line Dielectric Voltage-Withstand Test			N/A
Model	Location	Test Voltage	Result	--
--	--	--	--	--
Test Photo:				

161	Resistance to Moisture Test		P
Model	Test method	Result	--
HD-ZD0501	88 ±2%, 32.0 ±2° C	No breakdown	--
Test Photo:			

161.2.3~161.2.7	Leakage current test			N/A
Model	Location	Test Voltage	Result	--
--	--	--	--	--
Test Photo:				

--	Insulation Resistance Test		P
Model	Location	Result	--
HD-ZD0501	+/- to enclosure	>100M Ω	--
Test Photo:			

12	Ball impact test				P
Model	Test Weight	Test high	Test times	Result	--
HD-ZD0501	0.38kg	0.60m	3	No damage and pass of Dielectric Voltage-Withstand Test	--

143~145	Normal Temperature Test			P
Model	HD-ZD0501			--
Lamp	LED			--
Test Voltage	AC 120V			--
Measurement value	--			--
Ambient	20°C-30°C			
Temperature(°C) of part	Measurement value	Corrected to ta	Limit	--
Wire	27.1	27.1	80	--
Inlet	28.4	28.4	Ref.	--
LED	54.3	54.3	Ref.	--
Metal part	34.7	34.7	90	--
Marking location	29.9	29.9	90	--
Ambient	25.0	25.0	--	--
Chart:				

Attachment No.1

Photo Documentation

Details of: Overview for model HD-ZD0501



Details of: Overview for model HD-ZD0501



Attachment No.1

Photo Documentation

Details of: Parts view for model HD-ZD0501



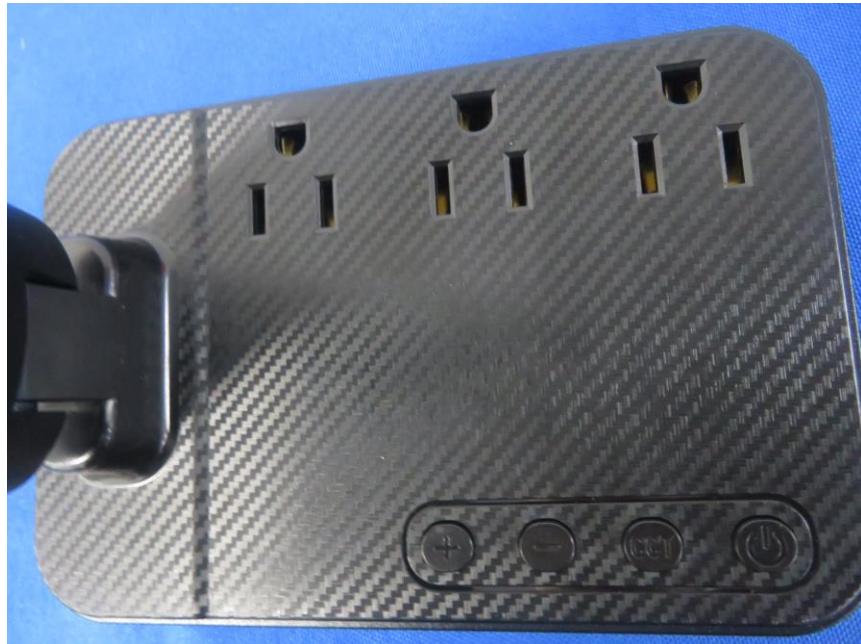
Details of: Parts view for model HD-ZD0501



Details of: Parts view for model HD-ZD0501

Attachment No.1

Photo Documentation



Details of: Parts view for model HD-ZD0501



-----End of Test Report-----