

## Commission test report

Report No.: GZES210501895931

Date: 2021-06-10

Applicant: Jademar Corporation  
12950 NW 25<sup>th</sup> Street, Suite 300, Miami, FL 33182, USA

Manufacturer: Shenzhen AMB Technology Co., Ltd.  
Blag 3, Huaqiang Industrial Park, Qingfeng Road, Baolong Community, Longgang, shenzhen, Guangdong, China

Testing location/address: SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch  
198 Kezhu Road, Science City, Economic & Technology Development Area, Guangzhou, Guangdong, China

Test specifications / Test standard: The requirement of IK10 of IEC 62262: 2002

Model/Type for test: CDTP-2D-20W, CDTP-4D-40W, CDTP-6D-60W, CDTP-8D-80W

Ratings: DC 48 V; Class III  
CDTP-2D-20W: 20 W; CDTP-4D-40W: 40 W  
CDTP-6D-60W: 60 W; CDTP-8D-80W: 80 W

Test result: In the opinion of SGS – CSTC the presented appliance was found to be in compliance with the test specification as indicated in the details on the following pages.

Remark: Throughout this report a comma is used as the decimal separator.  
When determining for test conclusion, measurement uncertainty of tests has been considered.  
This is a commission test report

Ivory Lu  
Reviewer  
E&E Safety Laboratory

Sunday Zhou  
Project Engineer



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Copy of marking plate

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Summary of testing:

As the client's request, IK10 was applied to the product.

After the test, the enclosure of test samples was not damaged.

The submitted appliance was found to be in compliance with the IK10 requirement of IEC 62262: 2002.

DRAFT



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Guangzhou Branch IEC Laboratory

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<b>Test item particulars</b> .....	Tri-Proof LED Light
Lamp cap .....	—
Lamp identification .....	LED
Commission received from .....	Jademar Corporation
Date .....	2021-05-20
Electrical safety class .....	Class III
IP number .....	IP67
<b>Possible test case verdicts:</b>	
- test case does not apply to the test object .....	N/A (not applicable)
- test object does meet the requirement .....	P (Pass)
- test object does not meet the requirement .....	F (Fail)
<b>Testing</b>	
Date of receipt of test item .....	2021-05-22
Date (s) of performance of tests.....	2021-05-22 to 2021-06-09
<b>General product information:</b>	
Tri-Proof LED Light, connected to the main supply via a input wire, Class III; IP67	
All models are identical except for the rated power and size.	
Model list:	
Model	Size (mm)
CDTP-2D-20W	Ø38 x 600
CDTP-4D-40W	Ø38 x 1200
CDTP-6D-60W	Ø38 x 1800
CDTP-8D-80W	Ø38 x 2400



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**Test Results:**

Clause	Requirement – Test	Result - Remark	Verdict
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	SAFETY REQUIREMENTS		P
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<b>4.2</b>	<b>Characteristic group numerals of the IK code and their meanings</b>		
	IK00 (not protected according to this standard)		N/A
	IK01..... 0,14 J:		N/A
	IK02..... 0,2 J:		N/A
	IK03..... 0,35 J:		N/A
	IK04..... 0,5 J:		N/A
	IK05..... 0,7 J:		N/A
	IK06..... 1 J:		N/A
	IK07..... 2 J:		N/A
	IK08..... 5 J:		N/A
	IK09..... 10 J:		N/A
	IK10..... 20 J:		P

<b>6</b>	<b>Test to verify the protection against mechanical impacts</b>		
6.1	The test specified in this standard is a type test		P
6.2	In order to verify the protection against mechanical impacts, blows shall be applied to the enclosure to be tested.		P
6.3	During the test the enclosure shall be mounted on a rigid support, according to the manufacturer's instructions for use.		P



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Clause	Requirement – Test	Result - Remark	Verdict
6.4	The number of impacts shall be five on each exposed face unless otherwise specified in the relevant product standard. The impacts shall be evenly distributed on the faces of the enclosure(s) under test. In no case shall more than three impacts be applied in the surroundings of the same point of the enclosure. The relevant product standard shall specify the points of application of impacts		P
6.5	Test evaluation		P
	The relevant product standard shall specify the criteria upon which the acceptance or rejection of the enclosure is to be based, particularly: - admissible damages, - verification criteria relative to the continuity of the safety and reliability of the equipment	After the test, there was no damage to the enclosure (The input connector and waterproof connector at the end were not evaluated)	P

7	Test apparatus		
	The test shall be done by using one of the test apparatus described in IEC 60068-2-75:		P
	<input type="checkbox"/> pendulum hammer		N/A
	<input type="checkbox"/> spring hammer		N/A
	<input checked="" type="checkbox"/> vertical hammer		P



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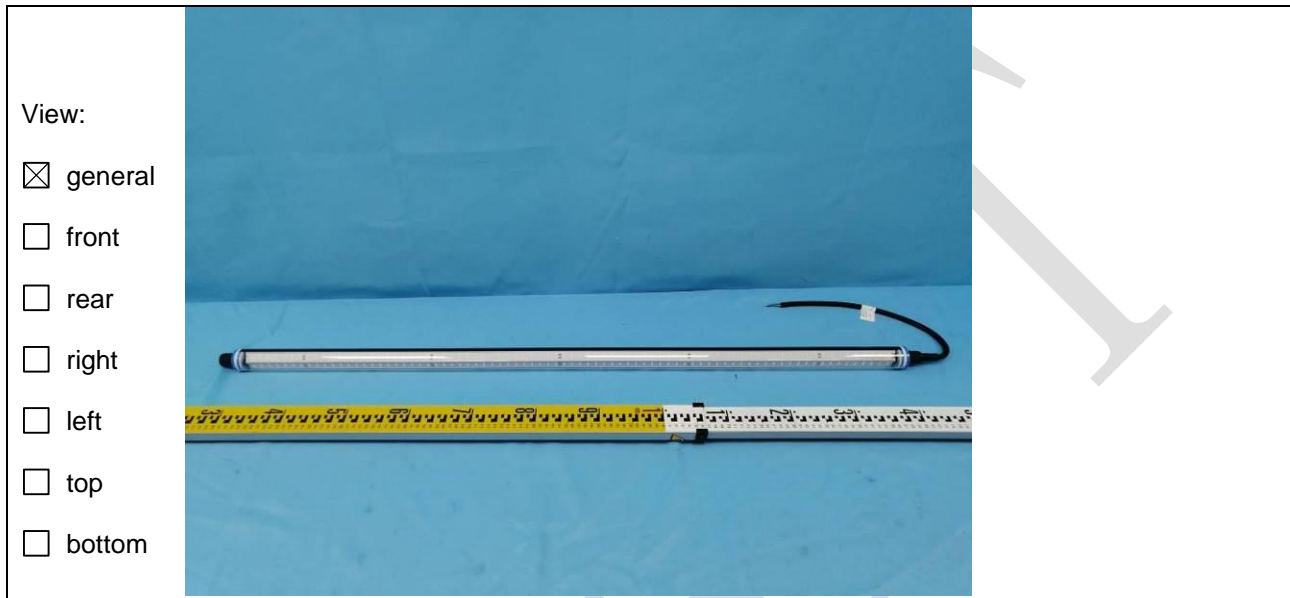
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## ANNEX 1: Photo documentation

Details of: General view for model CDTP-4D-40W; other models has identical construction and appearance, only size is different.



Details of: Input connector view



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Details of: Input connector view

View:

general

front

rear

right

left

top

bottom

Details of: Waterproof connector at the end

View:

general

front

rear

right

left

top

bottom



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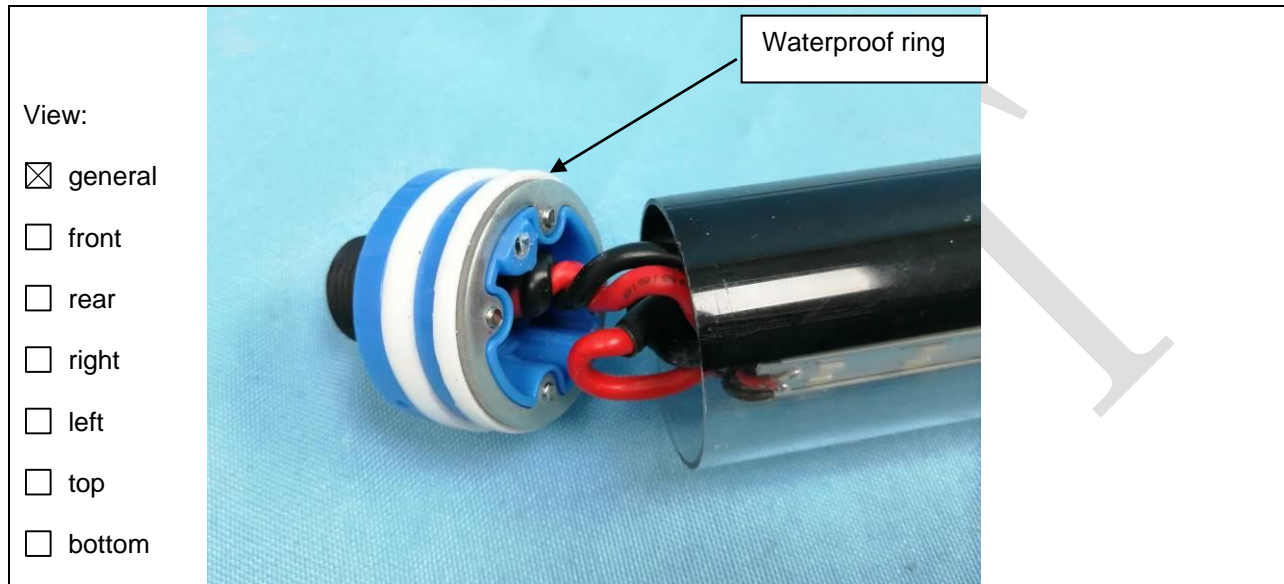
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Details of: Internal view



--- End of Report ---



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