



中国认可
国际互认
检测
TESTING
CNAS L3337

Test Report Number:	LCZS22080062	Total Page(s): 7			
Applicant Name:	Imminent Teknologies Limited				
Applicant Address:	Suite 5, Valley Towers, Valley Road, Birkirkara BKR9022, Malta				
Test item:	LED Strip Light				
Model / Type Reference:	BLU-FLEXI-SL				
Date of Issue:	2022-08-10				
Testing Laboratory:	LCTECH Guangdong Testing Services Co., Ltd. 2/F., Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China				
Test Specification:	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE (According to EN IEC 60598-1:2021 Cl. 9.2.1 and Cl. 9.2.5)				
Test Result:	Passed				
Compiled by:	Reviewed by:				
2022-08-10 Ricky Wang	<i>Ricky Wang</i>	2022-08-10 Shona Chen	<i>Shona Chen</i>		
<i>Date</i>	<i>Name</i>	<i>Signature</i>	<i>Date</i>	<i>Name</i>	<i>Signature</i>
Remark: N/A					
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Test item description	LED Strip Light
Trade Mark	
Manufacturer	Imminent Teknologies Limited Suite 5, Valley Towers, Valley Road, Birkirkara BKR9022, Malta
Model/Type reference	BLU-FLEXI-SL
Ratings	24Vdc, Class III, IP54
Test item particulars	
Classification of installation and use	LED Strip Light for indoor application only.
Supply Connection	Supply cord
Possible test case verdicts:	
- test case does not apply to the test object..... : N/A	
- test object does meet the requirement : P (Pass)	
- test object does not meet the requirement : F (Fail)	
Testing	
Date of receipt of test item	: 2022-08-10
Date (s) of performance of tests.....	: 2022-08-10

General remarks:

The test results presented in this report relate only to the object tested.
 This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.
 "(See Enclosure #)" refers to additional information appended to the report.
 "(See appended table)" refers to a table appended to the report.
Note: EN Group Differences together with National Differences and Special National Conditions, if any, are in the Appendix to the main body of this TRF.
 Throughout this report a comma (point) is used as the decimal separator.
 Clause numbers between brackets refer to clauses in IEC 60598-1
 When determining of test conclusion, measurement uncertainty of test has been considered.
 The report is quoted the standard EN IEC 60598-1:2021 have been accredited by CNAS (L3337), and the following clauses in the standard EN IEC 60598-1:2021 are restricted by CNAS (L3337).
 Cl. 9.2 IPX1, IPX2, IPX9

General product information:

- The product is LED Strip Light for indoor application only.
- The coating for IP54 is covering with a very thin layer of PU called nano coating thats why it looks like normal strip only.

Summary of testing:



Model BLU-FLEXI-SL was perform all the tests.

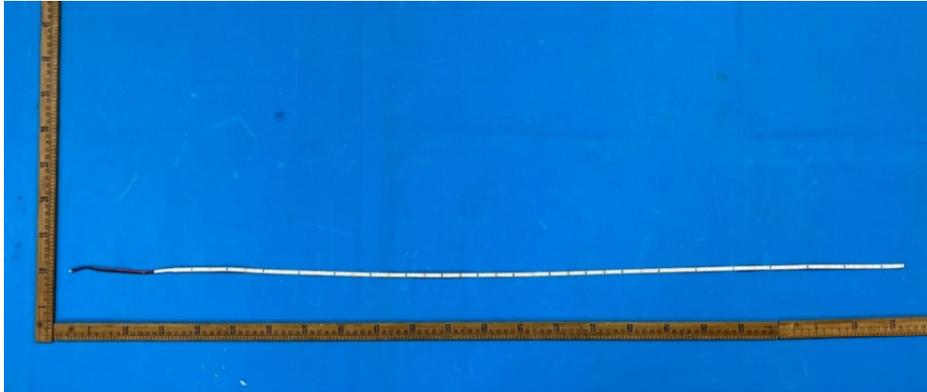
The sample was found to comply with the standard:

RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE (According to EN IEC 60598-1:2021 Cl. 9.2.1 and Cl. 9.2.5)

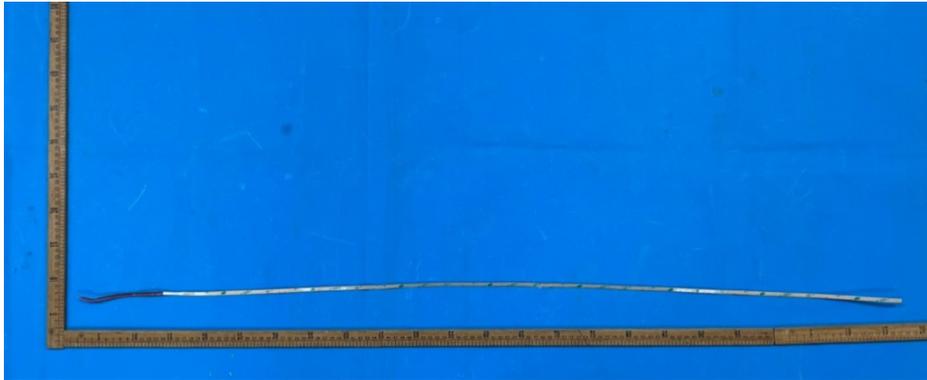
EN IEC 60598-1			
Cl.	Requirement – Test	Result	Verdict
9	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE		P
9.2	Tests for ingress of dust, solid objects and moisture:		—
	- classification according to IP	IP54	—
	- mounting position during test	As normal use	—
	- tests according to clauses	Cl. 9.2.1 & Cl. 9.2.5	—
	- electric strength test afterwards	Between current-carrying parts of different polarity: 500V Between live parts and enclosure: 500V	P
9.2.1	<p>IP5X test: Dust-proof luminaires (first characteristic IP numeral 5) shall be tested in a dust chamber similar to that shown in Figure 6, in which talcum powder is maintained in suspension by an air current. The chamber shall contain 2 kg of powder for every cubic metre of its volume. The talcum powder used shall be able to pass through a square-meshed sieve whose nominal wire diameter is 50 µm and whose nominal free distance between wires is 75 µm. It shall not have been used for more than 20 tests. The test shall proceed as follows.</p> <p>a) The luminaire is suspended outside the dust chamber and operated at rated supply voltage until operating temperature is achieved.</p> <p>b) The luminaire, whilst still operating, is placed with the minimum disturbance in the dust chamber.</p> <p>c) The door of the dust chamber is closed.</p> <p>d) The fan/blower causing the talcum powder to be in suspension is switched on.</p> <p>a).....e) After 1 min, the luminaire is switched off and allowed to cool for 3 h whilst the talcum powder remains in suspension.</p>	No deposit of talcum powder inside enclosures	P

9.2.5	<p>IPX4 test:</p> <p>Splash-proof luminaires (second characteristic IP numeral 4) are sprayed from every direction with water for 10 min by means of the spray apparatus shown in Figure 7 and described in 9.2.4. The luminaire shall be mounted under the pivot line of the tube so that the ends of the luminaire receive adequate coverage from the jets. The tube shall be caused to oscillate through an angle of almost 360°, 180° on either side of the vertical, the time for one complete oscillation (2 × 360°) being about 12 s. The luminaire shall be turned about its vertical axis during the test at a rate of 1 r/min.</p> <p>The support for the equipment under test shall be grid shaped in order to avoid acting as a baffle. After this 10 min period, the luminaire shall be switched off and allowed to cool naturally whilst the water spray is continued for a further 10 min.</p>	Without water inside enclosure	P
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Photo document



Picture 1: Overview for model BLU-FLEXI-SL



Picture 2: Overview for model BLU-FLEXI-SL



Picture 3: IP5X test view for model BLU-FLEXI-SL



Picture 4: IPX4 test view for model BLU-FLEXI-SL
---End of test report---