



Test Report Number:	LCZS20060057	
Applicant Name:	Imminent Teknologies Limited	
Applicant Address:	Suite 5, Valley Towers, Valley Road, Birkirkara BKR9022, Malta	
Test item:	LED SPOT LIGHT	
Model / Type Reference:	BLU-RETRO-R-9W	
Date of Issue:	2020-07-02	
Testing Laboratory:	LCTECH Guangdong Testing Services Co., Ltd. 2F.,Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China	
Test Specification:	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE (According to EN 60598-1:2015+A1:2018 Clause 9.2.0, Clause 9.2.2 and Clause 9.2.6)	
Test Result:	Passed	
Compiled by:	Reviewed by:	
2020-07-02 kyle zhang <i>kyle zhang</i>	2020-07-02 Shona chen <i>Shona chen</i>	
<i>Date Name Signature</i>	<i>Date Name Signature</i>	
Remark: N/A		
<p>The duplication of this report or parts of it and its use for advertising purposes is only allowed with permission of the testing laboratory. This report contains the result of the examination of the product sample submitted by the applicant. A general statement concerning the quality of the products from the series manufacture cannot be derived therefore.</p>		

Test item description	LED SPOT LIGHT
Trade Mark	BLUi Lighting
Manufacturer	Imminent Teknologies Limited Suite 5, Valley Towers, Valley Road, Birkirkara BKR9022, Malta
Model/Type reference	BLU-RETRO-R-9W
Ratings	220-240V~, 50/60Hz, Class II, IP65(for parts outside ceiling), IP20(for parts inside ceiling).
Test item particulars	
Classification of installation and use	LED SPOT LIGHT for indoor or outdoor use
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	: 2020-06-28
Date (s) of performance of tests.....	: 2020-06-20 to 2020-06-28

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 EN60598-1
 When determining of test conclusion, measurement uncertainty of test has been considered.

General product information:

The product is LED SPOT LIGHT for indoor or outdoor use. IP classification is IP65(for parts outside ceiling), IP20(for parts inside ceiling).
 The product is supplied with the independent SELV LED driver. The LED driver should be constant current type.
 LED driver Input: 220-240Vac, 50/60Hz.



Summary of testing:

Resistance to Dust test was performed in Guangzhou Quality Technology Service Co., Ltd. (CNASL10743). Report No.: 61.11.20.0163.01, Date of Issue: 2020-06-29.

The samples are found to comply with the standard:

Resistance to Dust, Solid, Objects and Moisture EN 60598-1:2015+A1:2018(Clause 9.2.0, Clause 9.2.2 and Clause 9.2.6)



EN 60598-1			
Cl.	Requirement – Test	Result	Verdict
9	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE		—
9.2	Tests for ingress of dust, solid objects and moisture:		—
	- classification according to IP	IP65(for parts outside ceiling), IP20(for parts inside ceiling)	—
	- mounting position during test	As normal use	—
	- electric strength test afterwards	Between live parts of different polarity: 1480V Between live parts and metal enclosure: 2960V	P
9.2.0	IP2X test: Solid-object-proof luminaires (first characteristic IP numeral 2) shall be tested with the standard test finger specified in IEC 60529 according to the requirements of Sections 8 and 11 of this standard.	IP20(for parts inside ceiling) No contact with live parts	

<p>9.2.2</p>	<p>IP6X test: Dust-proof luminaires (first characteristic IP numeral 6) 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: a).....T The luminaire is suspended outside the dust chamber and operated at rated supply voltage until operating temperature is achieved. b).....T The luminaire, whilst still operating, is placed with the minimum disturbance in the dust chamber. c).....T The door of the dust chamber is closed. d).....T The fan/blower causing the talcum powder to be in suspension is switched on. e).....A After 1 min, the luminaire is switched off and allowed to cool for 3 h whilst the talcum powder remains in suspension .</p>	<p>IP6X(for parts outside ceiling) No talcum in dust-tight luminaire</p>	<p>P</p>
<p>9.2.6</p>	<p>IPX5 test: Jet-proof luminaires (second characteristic IP numeral 5) are switched off and immediately subjected to a water jet for 15 min from all directions by means of a hose having a nozzle with the shape and dimensions shown in Figure 8. The nozzle shall be held 3 m away from the sample. The water pressure at the nozzle shall be adjusted to achieve a water delivery rate of 12,5 l/min ± 5 % (approximately 30 kN/m²).</p>	<p>IPX5(for parts outside ceiling) Without water inside enclosure</p>	<p>P</p>

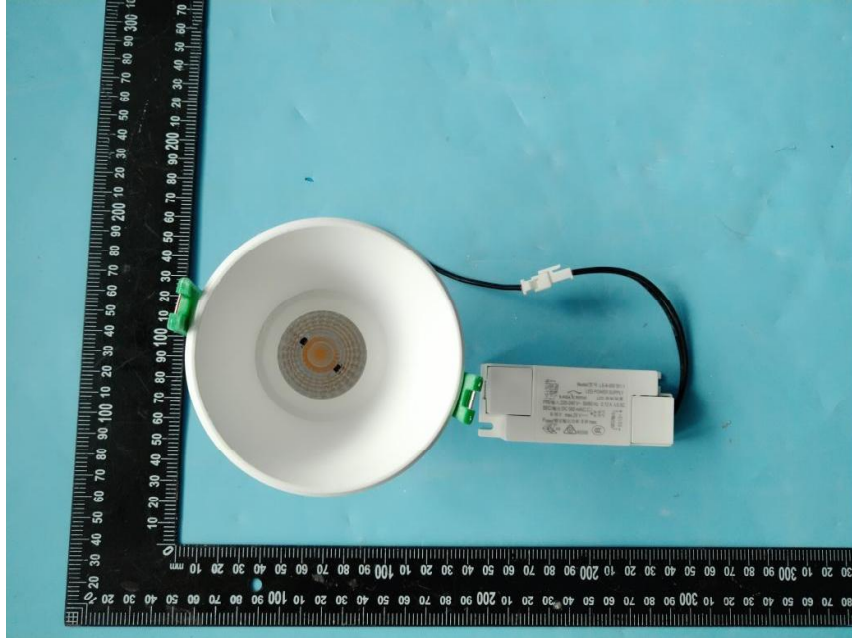
Photo document



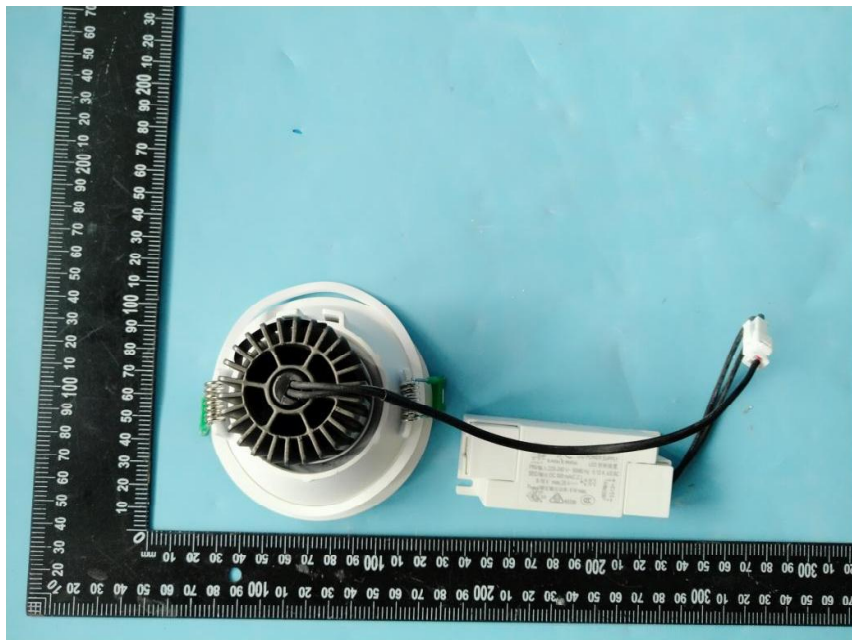
Picture 1: IPX5 Test of model BLU-RETRO-R-9W



Picture 2: IP6X Test of model BLU-RETRO-R-9W



Picture 3: Overview of model BLU-RETRO-R-9W



Picture 4: Overview of model BLU-RETRO-R-9W



Picture 5: Overview of model BLU-RETRO-R-9W

---End of test report---