



Test Report



Report Number:

20210907017

Page 1 of 11

Test Request By:	RDC Share Laboratory Signify (China) Investment Co., Ltd. joey.ye Building 9, Lane 888, Tianlin Road, Shanghai		
Tested Product Name:	LED Luminaire	Date of Received:	2021-09-07
Type Designation:	BRP472 LED189/NW 144W DWV P7T SRB ANZ Model:824110139561	Serial No:	ST2195
Test Specification:	Test method according to IES LM-79-2019 (section 5) and Test Request numbered 20210907017.A1		
Test Place:	Signify (China) Investment Co., Ltd. LTC (Lighting Testing Center) No. 2 Building, No. 9, Lane 888, Tian Lin Road, Shanghai, P.R. China, 200233		
Test Result:	The test report only provides test data		
Test By:	Xiaojing Yang 	Review By:	Jian Wang 
Date:	2021-10-21	Date:	2021-10-21
Others: This test is to verify the product electrical parameters according to IES LM-79-2019 (section 5). The test is performed on condition AC230V/50Hz base on the test request.			

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Test Report



Report Number:

20210907017

Page 2 of 11

Summary of Test Result

Test Item	Result (Average)
Power (W)	139.97
PF	0.9808

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Contents

1. PURPOSE	5
2. TEST EQUIPMENT	5
3. GENERAL PRODUCT INFORMATION	6
3.1. PRODUCT INFORMATION	6
3.2. RATED ELECTRICAL PARAMETER	6
4. TEST SET-UP AND OPERATION MODES	7
4.1. ELECTRICAL MEASUREMENTS	7
5. TEST RESULT	8
5.1. TEST RESULT FOR ELECTRICAL AND OPTICAL PERFORMANCE	8
5.1.1 Test Result of Electrical Performance (Number 1 in Test Plan)	8
6. TEST PHOTO	9
7. LIST OF TABLES	10
8. LIST OF PHOTOGRAPHS	10

TEST SUMMARIES

5.1.1 TEST RESULT OF ELECTRICAL PERFORMANCE (NUMBER 1 IN TEST PLAN)

Test Result:

Test Data

Signify LTC Asia

1. Purpose

The test is for verify the product electrical performance base on section 5.0 of IES LM-79-2019 related standard requirement.

2. Test Equipment

Signify (China) Investment Co., Ltd.

LTC (Lighting Testing Center)

No. 2 Building, No. 9, Lane 888, Tian Lin Road, Shanghai, P.R. China, 200233

Equipment	Type	Manufacturer	S/N	Calibrated until
AC Power Source	6812B	Agilent	MY41001761	2022-05-31
Digital Power Meter	WT1600	YOKOGAWA	91G419142	2022-07-18
Photocurrent meter	I1000	LMT	10B0671	2021-11-02
TEC Source Meter	2510	Keithley	1097298	2022-02-21



3. General Product Information

3.1. Product Information

Brand Name	Model Number
BRP472 LED189/NW 144W DWV P7T SRB ANZ	824110139561

3.2. Rated Electrical Parameter

Type Designation	Input Voltage
BRP472 LED189/NW 144W DWV P7T SRB ANZ 824110139561	230VAC/50Hz



Test Report



Report Number:

20210907017

Page 7 of 11

4. Test Set-up and Operation Modes

4.1. Electrical Measurements

The sample is placed on the fixture in base up position and powered by a regulated and conditioned 230 Volt with a tolerance interval of $\pm 0.5\%$, 50 Hertz alternating current supply. The sample is tested at ambient temperature 25°C with a tolerance interval of $\pm 1.2^{\circ}\text{C}$ and humidity maintained between 10% and 65%. The electrical power measurements data contained in this report are the readings upon which stabilization is verified. The stabilization time shown on the results pages of this report denote the time of measurement since this is the minimum time that the sample is assumed to have taken to reach stabilization according to section 6.0 of IES LM-79-2019.

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5. Test Result

5.1. Test Result for Electrical and Optical Performance

Test according to test plan attached numbered 20210907017.A1.

5.1.1 Test Result of Electrical Performance (Number 1 in Test Plan)

Test Result:

Test Data

Table 1 Electrical Test on BRP472 LED189/NW 144W DWV P7T SRB ANZ, Model: 824110139561

Test Date: 2021-09-29

Stabilization time: 50min

Room temperature: 25.2°C

Room humidity: 43.5%

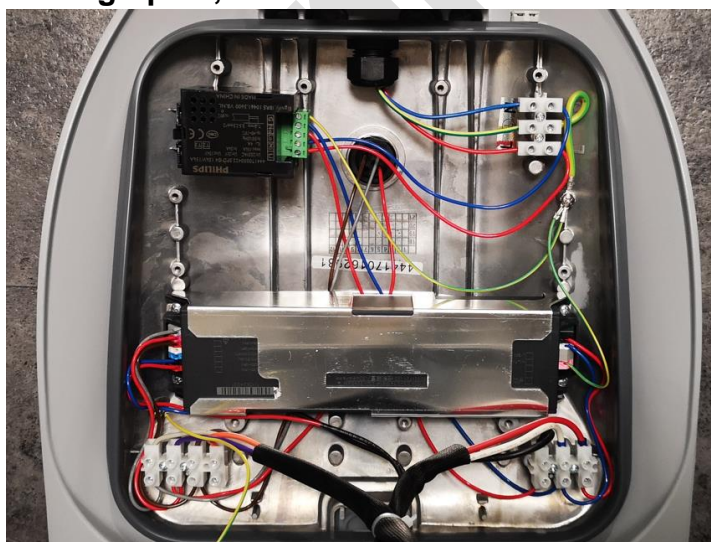
Lamp NO.	U	Frequency	I	P	PF
	(V)	(Hz)	(A)	(W)	
ST2195-01	229.99	50	0.6224	140.41	0.9809
ST2195-02	230	50	0.6220	140.34	0.9810
ST2195-03	230	50	0.6205	140.03	0.9812
ST2195-04	230	50	0.6210	139.95	0.9799
ST2195-05	230	50	0.6202	139.98	0.9813
ST2195-06	230	50	0.6211	140.16	0.9811
ST2195-07	230	50	0.6213	140.15	0.9807
ST2195-08	230	50	0.6207	140.04	0.9811
ST2195-09	230	50	0.6159	138.79	0.9798
ST2195-10	229.99	50	0.6193	139.80	0.9815
Average	229.99	50	0.6204	139.97	0.9809

6. Test Photo

Photograph 1, Test Sample



Photograph 2, Electronic LED Driver



7. List of Tables

Table 1 Electrical Test on BRP472 LED189/NW 144W DWV P7T SRB ANZ, Model: 824110139561..... 8

8. List of Photographs

Photograph 1, Test Sample 9

Photograph 2, Electronic LED Driver 9

The test results presented in this report relate only to the item tested.

The test results presented in this report relate only to the samples tested.

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Test Plan Number:

20210907017.A1

Page 11 of 11

No.	Group	Test Item	According to	Type Designation	Tested By	QTY	Test Specification	Acceptable Value/Range
1	A	Electrical measurement	LV237-108-012-B-G007/IESNA LM79	824110139561 BRP472 LED189/NW 144W DWV P7T SRB ANZ	LTC	10	Equipment: GM01 Test on 230VAC@50Hz preheating and stabilization method according to LM79 sec6.0	REF

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