



# Test Report



Report Number:

20210907019

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<b>Test Request By:</b>	RDC Share Laboratory Signify (China) Investment Co., Ltd. joey.ye Building 9, Lane 888, Tianlin Road, Shanghai		
<b>Tested Product Name:</b>	LED Luminaire	<b>Date of Received:</b>	2021-09-07
<b>Type Designation:</b>	BRP472 LED303/NW 236W DWV P7T SRB ANZ Model:824110139571	<b>Serial No:</b>	ST2196
<b>Test Specification:</b>	Test method according to IES LM-79-2019 (section 5) and Test Request numbered 20210907019.A1		
<b>Test Place:</b>	Signify (China) Investment Co., Ltd. LTC (Lighting Testing Center) No. 2 Building, No. 9, Lane 888, Tian Lin Road, Shanghai, P.R. China, 200233		
<b>Test Result:</b>	The test report only provides test data		
<b>Test By:</b>	Xiaoqing Yang 	<b>Review By:</b>	Jian Wang 
<b>Date:</b>	2021-10-21	<b>Date:</b>	2021-10-21
<b>Others:</b> 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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Summary of Test Result	
Test Item	Result (Average)
Power (W)	228.509
PF	0.9761

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## TEST SUMMARIES

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

*Test Result:*

*Test Data*

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## 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



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## 3. General Product Information

### 3.1. Product Information

Brand Name	Model Number
BRP472 LED303/NW 236W DWV P7T SRB ANZ	824110139571

### 3.2. Rated Electrical Parameter

Type Designation	Input Voltage
BRP472 LED303/NW 236W DWV P7T SRB ANZ 824110139571	230VAC/50Hz

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## 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  $25^{\circ}\text{C}$  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.

## 5. Test Result

### 5.1. Test Result for Electrical and Optical Performance

Test according to test plan attached numbered 20210907019.A1.

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

Test Result:

Test Data

**Table 1** Electrical Test on BRP472 LED303/NW 236W DWV P7T SRB ANZ, Model: 824110139571

Test Date: 2021-10-15

Stabilization time: 50min

Room temperature: 25.1°C

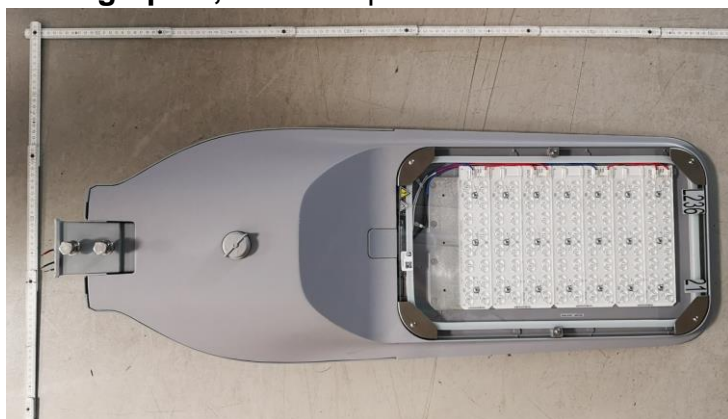
Room humidity: 43.2%

Lamp NO.	U	Frequency	I	P	PF
	(V)	(Hz)	(A)	(W)	
ST2196-01	229.94	50	1.0164	228.26	0.9766
ST2196-02	229.98	50	1.0241	229.88	0.976
ST2196-03	229.99	50	1.0159	227.81	0.9751
ST2196-04	229.99	50	1.0163	228.33	0.9769
ST2196-05	229.99	50	1.0211	229.32	0.9765
ST2196-06	229.98	50	1.0145	227.62	0.9756
ST2196-07	229.99	50	1.022	229.48	0.9763
ST2196-08	229.99	50	1.014	227.72	0.9764
ST2196-09	229.99	50	1.0153	227.82	0.9757
ST2196-10	229.98	50	1.0194	228.85	0.9761
Average	229.98	50	1.0179	228.51	0.9761

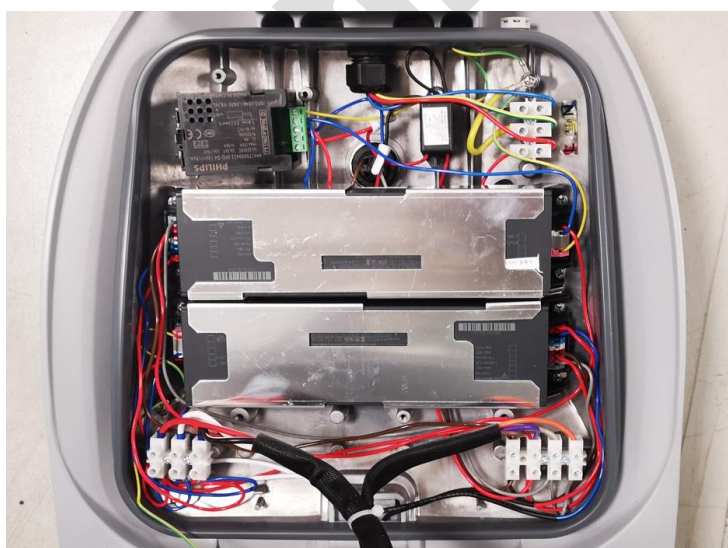


## 6. Test Photo

Photograph 1, Test Sample



Photograph 2, Electronic LED Driver



## 7. List of Tables

**Table 1** Electrical Test on BRP472 LED303/NW 236W DWV P7T SRB ANZ, Model: 824110139571 ..... 8

## 8. List of Photographs

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**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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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	824110139571 BRP472 LED303/NW 236W 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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