

# TEST REPORT

The following tested product(s) were submitted and identified by the vendor as:

Report No. : TOOC210700014700  
Applicant : Orangetek International Pty Ltd.  
Address of Applicant : 46 Stanley Street, Peakhurst, NSW 2210, Australia  
Testing Laboratory : SGS Taiwan Ltd., Optics Laboratory  
Laboratory Address : 33, Wu Chyuan Road, New Taipei Industrial Park, Wu Ku District, New Taipei City 24886, Taiwan  
Product Name : Emilio  
Model / Serial Number : Emilio 036 LED 71w  
Manufacturer : Orangetek International Pty Ltd.  
Rating : AC 220 V to 240 V (50 / 60) Hz, 71 W  
Tested Condition : AC 230 V 50 Hz  
Test Standard/Method : Clause 8 & Clause 9 of IEC 62384 DC or AC supplied electronic control gear for LED modules – Performance requirements  
Date of Issue : Jul. 16, 2021

- ◆ The test results are solely accountable for the testing samples.
- ◆ All reported contents shall not be used for advertising, publication, marketing strategies and legal proceedings.
- ◆ Excerpts taken from the report will not be valid unless otherwise stated in the laboratory agreement.
- ◆ For the statements of conformity in this report, the decision rules are not disclosed the considered provision of uncertainty of measurement, and are in accordance with the requirements of above test standards.

Test Results : -PLEASE SEE ATTACHED SHEETS-

Signed for and on behalf of  
SGS TAIWAN Ltd.



Willie Yu  
Sr. Engineer

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## 1 DATE OF RECEIPT OF SAMPLES

Jul. 09, 2021

## 2 DATE(S) OF PERFORMANCE OF THE TEST

Jul. 09, 2021 to Jul. 12, 2021

## 3 IDENTITY OF SAMPLES

Quantity	Model	Serial Number
10	Emilio 036 LED 71w	# 1 - # 10

## 4 TEST ITEMS

### 4.1 Total circuit power

The test results were implemented referring to Clause 8 Total circuit power of IEC 62384 DC or AC supplied electronic control gear for LED modules – Performance requirements.

### 4.2 Circuit power factor

The test results were implemented referring to Clause 9 Circuit power factor of IEC 62384 DC or AC supplied electronic control gear for LED modules – Performance requirements.

## 5 TEST CONDITIONS

### Main Test Equipment:

Name	Brand	Model	S/N	Calibration Due Date
Digital Power Meter / AC Source	YOKOGAWA / apc	WT-310 / APF-11001G	OPT-0125 / OPT-0050	2022/4/12

### Environmental Conditions:

Ambient temperature: (20 to 27) °C  
 Relative humidity: (60 ± 20) %RH

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**DUT Conditions:**

Power input:	<u>AC 230 V 50 Hz</u>
Dimension:	<u>Ø 480 mm x L 480 mm</u>
Warm-up time:	<u>&gt; 120 minutes</u>
Stabilization time:	<u>30 minutes</u>
Control Gear:	<u>PHILIPS / Xi FP 75W 0.2-0.7A SNLDAE 230V S240 sXt / 1 pce</u>
Control Gear Spec:	<u>I/P: AC (220 to 240) V (0.4 to 0.34) A, (50 / 60) Hz</u> <u>O/P: DC (200 to 700) mA, (50 to 150) V</u>

**LED Module Conditions:**

Model Number:	<u>36 LED PCB with 36 LEDs</u>
Input condition:	<u>DC 625 mA, 71 W</u>
Dimension:	<u>L 127.3 mm x W 143 mm</u>

## 6 TEST RESULTS

S/N	Input Voltage (Vac)	Input Current (A)	Total circuit power (W) (Lamp Circuit Power)	Circuit power factor	Note
# 1	230.00	0.3025	68.45	0.9839	Stabilization
# 2	229.99	0.3011	68.10	0.9833	Stabilization
# 3	229.99	0.3020	68.31	0.9835	Stabilization
# 4	229.99	0.3013	68.15	0.9837	Stabilization
# 5	230.01	0.2995	67.84	0.9848	Stabilization
# 6	230.00	0.3016	68.17	0.9829	Stabilization
# 7	230.04	0.3026	68.47	0.9835	Stabilization
# 8	230.03	0.3006	67.99	0.9834	Stabilization
# 9	230.02	0.3027	68.50	0.9837	Stabilization
# 10	230.03	0.3002	67.94	0.9839	Stabilization
Avg.	230.01	0.3014	68.19	0.9837	--

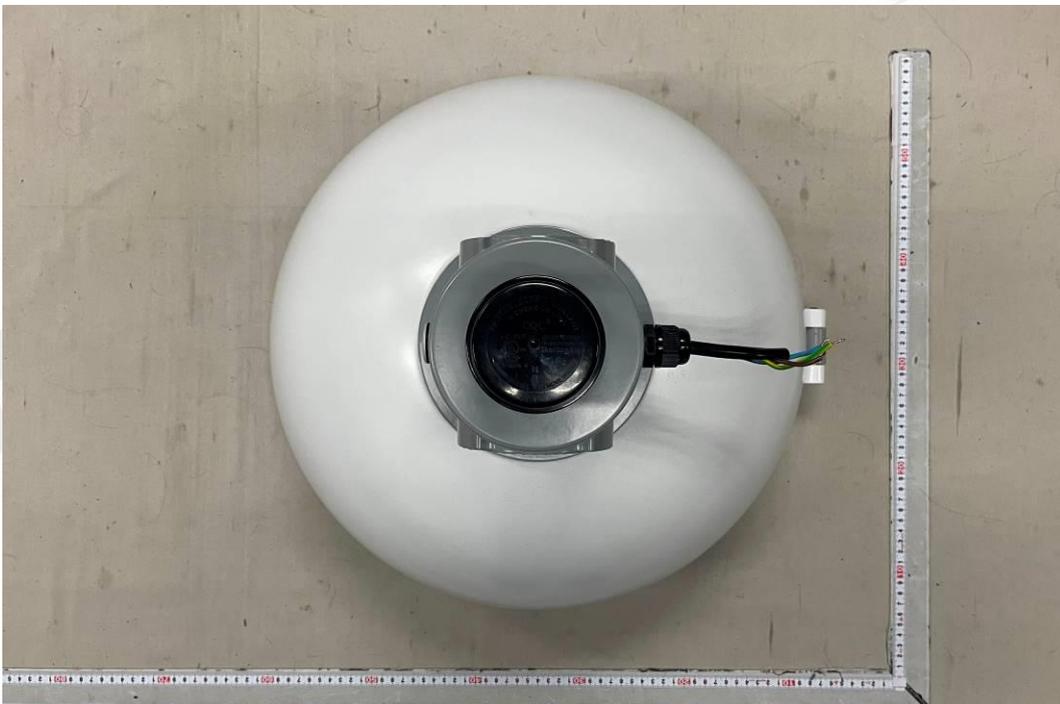
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## 7 PHOTO



Front View



Back View

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DUT



LED module

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Control Gear  
- End of Report -

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