

TEST REPORT

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

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 : TERRALED mini 30
Model / Serial Number : TERRALED mini 30 (300mA)
Manufacturer : Orangetek Limited Taiwan Branch
Rating : AC 220 V to 240 V (50 / 60) Hz
Tested Condition : AC 240 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 : Aug. 19, 2016

- ◆ 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.

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, 22, 2016 ~ Aug, 18, 2016

2 DATE(S) OF PERFORMANCE OF THE TEST

Jun. 22, 2016 ~ Aug. 19, 2016

3 IDENTITY OF SAMPLES

Quantity	Model	Serial Number
10	TERRALED mini 30 (300mA)	# 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-210 / AFC-500W	91J837766 / F313030097	2017/2/23

Environmental Conditions:Ambient temperature: (20 to 27) °CRelative humidity: (60 ± 20) %RH

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DUT Conditions:

Power input:	<u>AC 240 V 50 Hz</u>
Dimension:	<u>L 500 mm x W 145 mm x H 155 mm</u>
Warm-up time:	<u>> 120 minutes</u>
Stabilization time:	<u>30 minutes</u>
Control Gear:	<u>PHILIPS / XITANIUM Xi FP 40W 0.3-1.0A SNLDAE 230V S175 sXt</u> <u>/ 1 pc</u>
Control Gear Spec:	<u>I/P: AC (220 to 240) V (0.21 ~ 0.19) A, (50 / 60) Hz</u> <u>O/P: DC (0.3 to 1.05) A, (20 to 54) V</u>

LED Module Conditions:

Model Number:	<u>30 LED PCB with 30 LEDs</u>
Input condition:	<u>DC 300 mA</u>
Dimension:	<u>L 118 mm x W 90 mm</u>

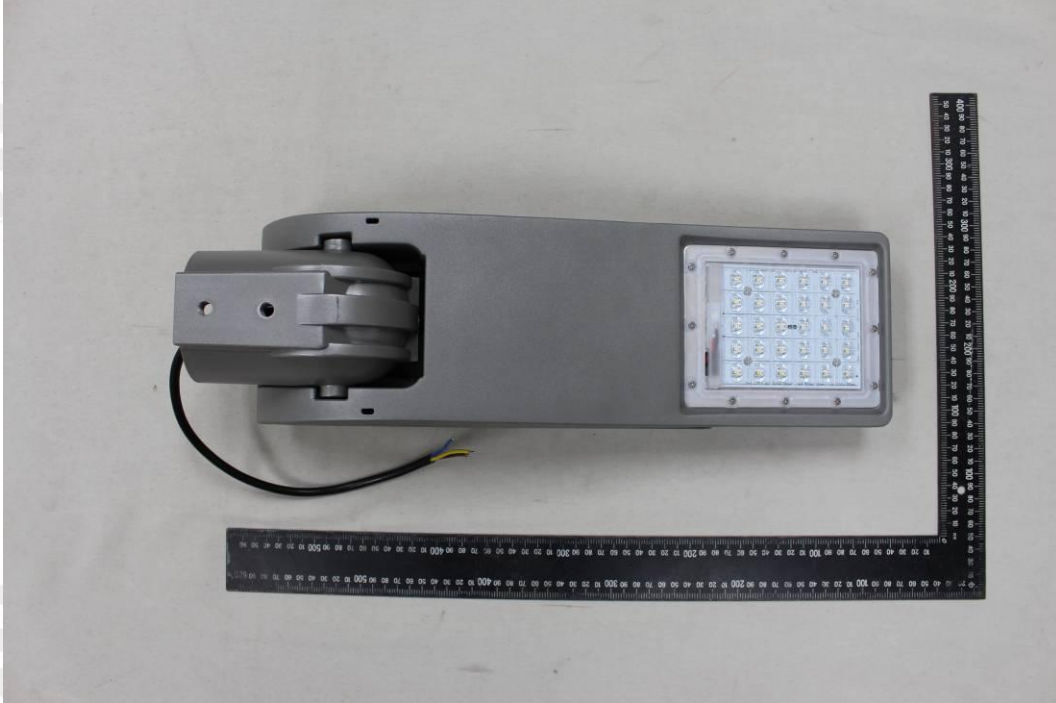
6 TEST RESULTS

S/N	Input Voltage (Vac)	Input Current (A)	Total circuit power (W) (Lamp Circuit Power)	Circuit power factor	Note
# 1	239.98	0.1211	28.43	0.9785	Stabilization
# 2	239.98	0.1201	28.16	0.9772	Stabilization
# 3	239.98	0.1200	28.14	0.9774	Stabilization
# 4	239.98	0.1199	28.15	0.9780	Stabilization
# 5	240.01	0.1205	28.28	0.9776	Stabilization
# 6	240.02	0.1205	28.29	0.9785	Stabilization
# 7	240.02	0.1200	28.19	0.9784	Stabilization
# 8	240.02	0.1199	28.15	0.9779	Stabilization
# 9	240.02	0.1208	28.40	0.9794	Stabilization
# 10	240.02	0.1201	28.21	0.9790	Stabilization
Avg.	240.00	0.1203	28.24	0.9782	--

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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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