

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 18
Model / Serial Number : TERRALED mini 18 (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. 01, 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 ~ Jul, 28, 2016

2 DATE(S) OF PERFORMANCE OF THE TEST

Jun. 22, 2016 ~ Jul. 29, 2016

3 IDENTITY OF SAMPLES

Quantity	Model	Serial Number
10	TERRALED mini 18 (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: AC 240 V 50 Hz
Dimension: L 500 mm x W 142 mm x H 155 mm
Warm-up time: > 120 minutes
Stabilization time: 30 minutes
Control Gear: PHILIPS / XITANIUM Xi FP 22W 0.3-1.0A SNLDAE 230V S175 sXt
/ 1 pc
Control Gear Spec: I/P: AC (220 to 240) V (0.12 ~ 0.11) A, (50 / 60) Hz
O/P: DC (0.3 to 1.05) A, (10 to 32) V

LED Module Conditions:

Model Number: 30 LED PCB with 18 LEDs
Input condition: DC 300 mA
Dimension: L 118 mm x W 90 mm

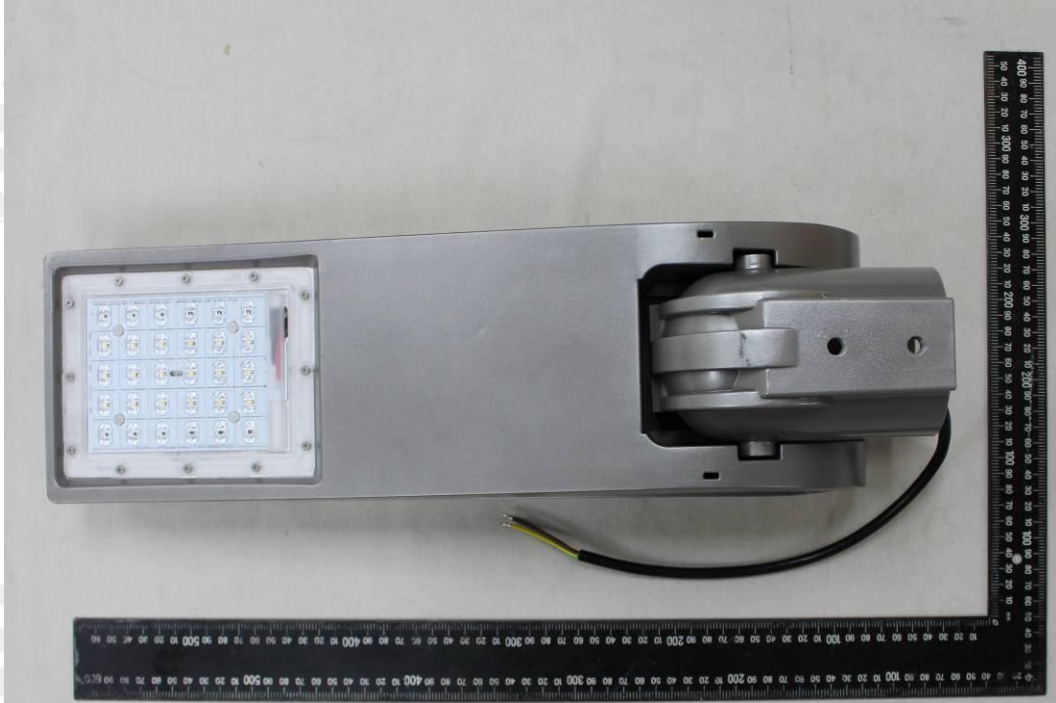
6 TEST RESULTS

S/N	Input Voltage (Vac)	Input Current (A)	Total circuit power (W) (Lamp Circuit Power)	Circuit power factor	Note
# 1	239.98	0.0743	17.52	0.9826	Stabilization
# 2	239.98	0.0743	17.50	0.9811	Stabilization
# 3	239.98	0.0754	17.76	0.9817	Stabilization
# 4	239.98	0.0750	17.67	0.9820	Stabilization
# 5	239.98	0.0751	17.68	0.9814	Stabilization
# 6	240.01	0.0751	17.68	0.9815	Stabilization
# 7	240.01	0.0754	17.76	0.9817	Stabilization
# 8	240.01	0.0743	17.49	0.9811	Stabilization
# 9	240.01	0.0744	17.56	0.9827	Stabilization
# 10	240.01	0.0748	17.63	0.9820	Stabilization
Avg.	240.00	0.0748	17.62	0.9818	--

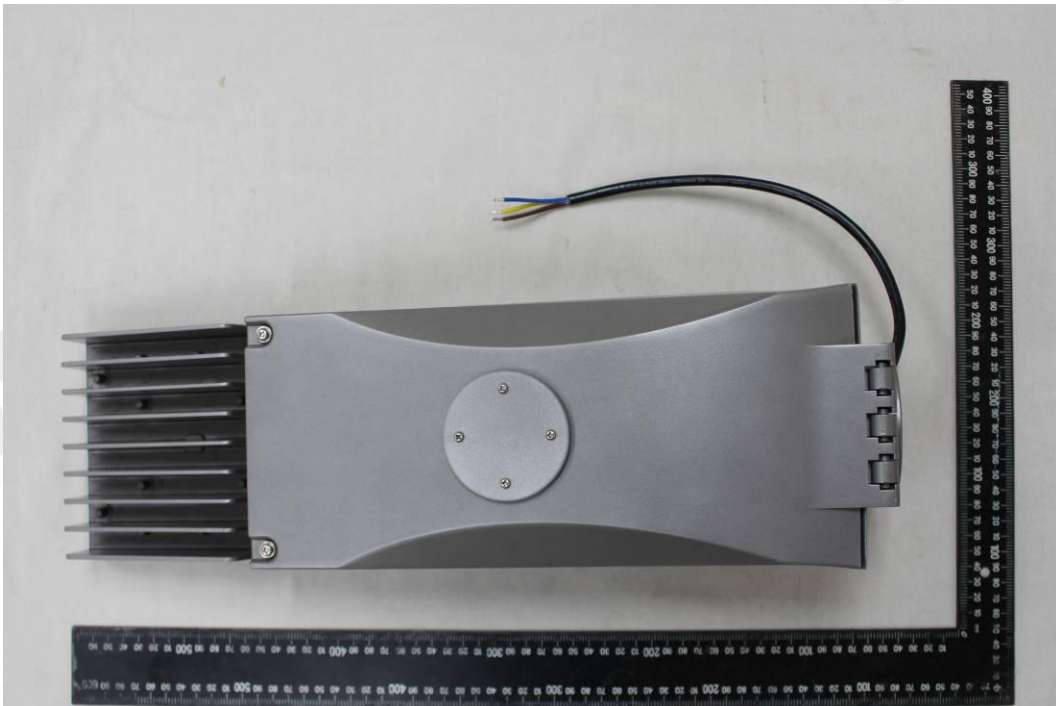
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7 PHOTO



Front View



Back View

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DUT



LED module

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Control Gear
- End of Report -

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