

# 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 24  
Model / Serial Number : TERRALED mini 24 (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

**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 24 (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 145 mm x H 155 mm

Warm-up time: > 120 minutes

Stabilization time: 30 minutes

Control Gear: PHILIPS / XITANIUM Xi FP 40W 0.3-1.0A SNLDAE 230V S175 sXt  
/ 1 pc

Control Gear Spec: I/P: AC (220 to 240) V (0.21 ~ 0.19) A, (50 / 60) Hz  
O/P: DC (0.3 to 1.05) A, (20 to 54) V

#### LED Module Conditions:

Model Number: 30 LED PCB with 24 LEDs

Input condition: DC 300 mA

Dimension: L 118 mm x W 90 mm

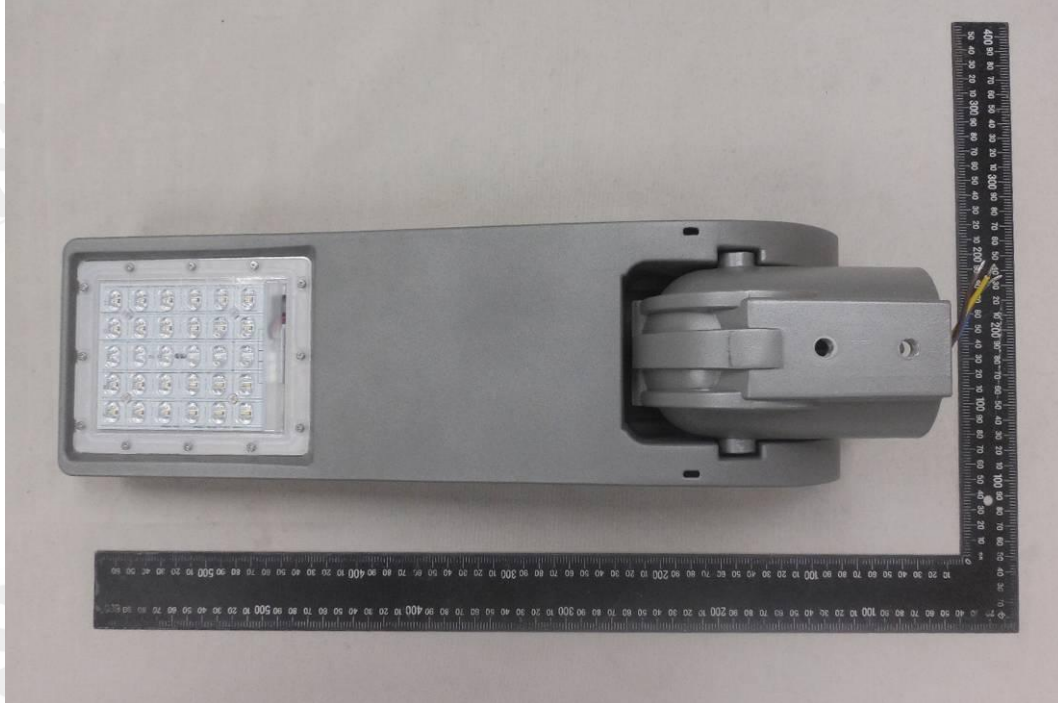
## 6 TEST RESULTS

S/N	Input Voltage (Vac)	Input Current (A)	Total circuit power (W) (Lamp Circuit Power)	Circuit power factor	Note
# 1	239.97	0.0991	23.06	0.9696	Stabilization
# 2	239.96	0.0985	22.91	0.9691	Stabilization
# 3	239.96	0.0990	23.02	0.9693	Stabilization
# 4	239.96	0.0985	22.93	0.9698	Stabilization
# 5	239.96	0.0995	23.17	0.9707	Stabilization
# 6	239.98	0.0994	23.17	0.9709	Stabilization
# 7	239.97	0.0985	22.90	0.9691	Stabilization
# 8	239.97	0.0988	22.99	0.9695	Stabilization
# 9	239.97	0.0987	22.96	0.9695	Stabilization
# 10	239.97	0.0985	22.92	0.9701	Stabilization
Avg.	239.97	0.0989	23.00	0.9698	--

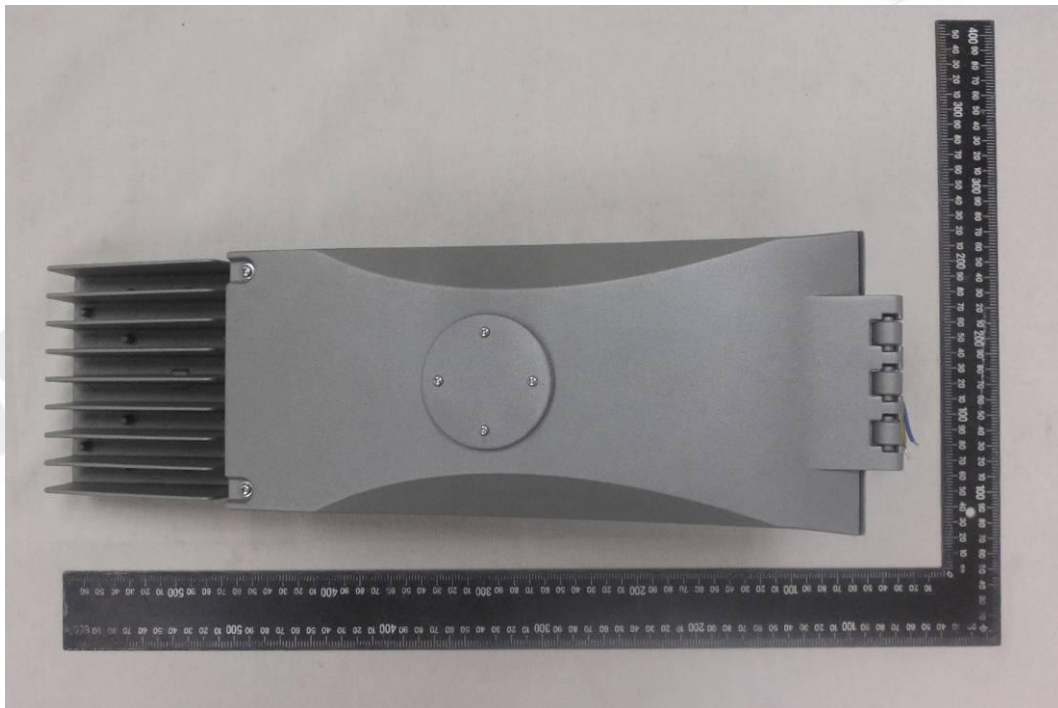
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## 7 PHOTO



Front View



Back View

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DUT



LED module

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Control Gear

**- End of Report -**

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