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Issued: Jul. 01, 2016

TEST REPORT

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

Applicant	:	Orangtek International Pty Ltd
Address of Applicant	:	46 Stanley Street, Peakhurst, NSW 2210, Australla
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	:	LED Street Light
Model / Serial Number	:	VOYAGER 18
Manufacturer	:	Orangtek Limited Taiwan Branch
Rating	:	AC 220 V to 240 V (50 / 60) Hz, 18 W
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	:	Jul. 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-

t (886-2) 2299-3939

Signed for and on behalf of SGS TAIWAN Ltd.

Filter Yu

Willie Yu Sr. Engineer

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1 DATE OF RECEIPT OF SAMPLES

May 20, 2016

2 DATE(S) OF PERFORMANCE OF THE TEST

Jun. 08, 2016 ~ Jul. 01, 2016

3 IDENTITY OF SAMPLES

Quantity	Model	Serial Number
10	VOYAGER 18	# 1 - # 10

4 <u>TEST ITEMS</u>

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	Equi	pment:

Name	Brand	Model	S/N	Calibration Due Date
Digital Power Meter / AC Source	KOGAWA / apc	WT-210 / AFC-500W	91J837766 / F313030097	2017/2/23
Environmental Condition	<u>IS:</u>			
Ambient temperatures	<u>(20 to 27</u>	<u>) °C</u>		
Relative humidity:	<u>(60 ± 20)</u>	<u>%RH</u>		

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DUT Conditions:	
Power input:	AC 240 V 50 Hz
Dimension:	L 630 mm x W 165 mm x H 70 mm
Warm-up time:	> 120 minutes
Stabilization time:	30 minutes
Control Gear:	PHILIPS / XITANIUM 27W 1.0A Prog 230V-J sXt / 1 pc
Control Gear Spec:	I/P: AC (220 to 240) V 0.16 A, (50 / 60) Hz
	O/P: DC (0.1 to 1) A, (10 to 38) V
LED Module Conditions:	

Model Number:	30 LED PCB with 18 LEDs
Input condition:	<u>DC 300 mA, 18 W</u>
Dimension:	<u>L 134 mm x W 94 mm</u>

6 <u>TEST RESULTS</u>

S/N	Input Voltage (Vac)	Input Current (A)	Total circuit power (W) (Lamp Circuit Power)	Circuit Power factor	Note
# 1	240.02	0.0806	18.88	0.9763	Stabilization
#2	240.02	0.0817	19.15	0.9769	Stabilizatior
#3	240.02	0.0805	18.90	0.9775	Stabilizatior
#4	240.03	0.0784	18.36	0.9752	Stabilizatior
#5	240.02	0.0810	19.00	0.9773	Stabilizatior
#6	240.02	0.0789	18.46	0.9750	Stabilizatior
#7	240.03	0.0777	18.19	0.9756	Stabilization
# 8	240.03	0.0787	18.45	0.9761	Stabilization
#9	240.03	0.0789	18.47	0.9754	Stabilizatior
# 10	240.03	0.0810	18.99	0.9767	Stabilizatior
Avg.	240.03	0.0800	18.68	0.9762	

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7 <u>PHOTO</u>



Front View



Back View

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- End of Report -

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