



Report No.: OI-2016-50078

Page 1 of 6

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 30
Manufacturer	:	Orangtek Limited Taiwan Branch
Rating	:	AC 220 V to 240 V (50 / 60) Hz, 30 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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Report No.: OI-2016-50078

Page 2 of 6

Issued: Jul. 01, 2016

# 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 30	# 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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Report No.: OI-2016-50078	Page 3 of 6	Issued: Jul. 01, 2016
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:	<u>30 minutes</u>	
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	
	<u>O/P: DC (0.1 to 1) A, (10 to 38) V</u>	
LED Module Conditions:		
Model Number:	30 LED PCB with 30 LEDs	
Input condition:	DC 300 mA, 30 W	

L 134 mm x W 94 mm

# 6 TEST RESULTS

Dimension:

S/N	Input Voltage (Vac)	Input Current (A)	Total circuit power (W) (Lamp Circuit Power)	Circuit power factor	Note
#1	240.01	0.1238	0.1238 29.40	0.9892	Stabilization
#2	240.01	0.1256	29.83	0.9894	Stabilization
#3	240.02	0.1237	29.40	0.9898	Stabilization
# 4	239.93	0.1220	28.95	0.9889	Stabilization
# 5	240.01	0.1243	29.52	0.9896	Stabilizatio
# 6	240.01	0.1227	29.11	0.9889	Stabilization
# 7	240.01	0.1210	28.72	0.9892	Stabilization
# 8	240.01	0.1228	29.16	0.9893	Stabilization
#9	240.01	0.1225	29.08	0.9890	Stabilizatio
# 10	240.00	0.1245	29.56	0.9894	Stabilization
Avg.	240.00	0.1233	29.27	0.9893	

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Report No.: OI-2016-50078

Page 4 of 6

Issued: Jul. 01, 2016

#### **PHOTO** 7



#### **Back View**

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Control Gear - End of Report -

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