


Prüfbericht-Nr.: Test Report No.:	11050761 001	Auftrags-Nr.: Order No.:	114066173	Seite 1 von 1 Page 1 of 1
Kunden-Referenz-Nr.: Client Reference No.:	12098719	Auftragsdatum: Order date:	10.07.2017	
Auftraggeber: Client:	OrangeTek Limited Needwood, Burton upon Trent DE13 8AJ, United Kingdom Coach House, Blakenhall Park, Bar Lane, Barton under			
Prüfgegenstand: Test item:	LED Street Light			
Bezeichnung / Typ-Nr.: Identification / Type No.:	IGNIS mini 43.5W			
Auftrags-Inhalt: Order content:	TÜV Rheinland - Test report			
Prüfgrundlage: Test specification:	Electrical Parameter measurement			
Wareneingangsdatum: Date of receipt:	27.06.2017	See photos attached in report.		
Prüfmuster-Nr.: Test sample No.:	A000573007			
Prüfzeitraum: Testing period:	27.06.2017 – 29.06.2017			
Ort der Prüfung: Place of testing:	TÜV Rheinland Taiwan Ltd., Taichung Laboratory			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland Taiwan Ltd., Taichung Laboratory			
Prüfergebnis*: Test result*:	Siehe Sonstiges / See Other			
geprüft von / tested by:		kontrolliert von / reviewed by:		
10. Jul., 2017 Ryan C.M. Hsieh / Engineer		11. Jul., 2017 Julia Lai / Technical Certifier		
Datum Date	Name / Stellung Name / Position	Unterschrift Signature	Datum Date	Name / Stellung Name / Position
Sonstiges / Other: Details see next pages. This test report consists of 5 pages for test results of input power, input current, power factor and VA.				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
<p>* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet</p> <p>Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</p>				
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</p>				



TEST DATA	
LED Street Light – Electrical Parameter Measurement	
Report Number.:	11050761 001
Order Number.:	114066173
Date of issue	See cover page
Total number of pages	5 pages
Name of Testing Laboratory preparing the Report.....:	TÜV Rheinland Taiwan Ltd., Taichung Laboratory
Applicant's name.....:	OrangeTek Limited
Address	Coach House, Blakenhall Park, Bar Lane, Barton under Needwood, Burton upon Trent DE13 8AJ, United Kingdom
Test item description	LED Street Light
Trade Mark	OrangeTek 
Manufacturer.....:	OrangeTek Limited Taiwan Branch Rm. B1, 18F., No.51, Sec. 2, Gongyi Rd., Nantun Dist., Taichung City 408, Taiwan
Model/Type reference	IGNIS mini 43.5W
Testing.....:	Input power, input current, power factor and VA
Date of receipt of test item.....:	27.06.2017
Date (s) of performance of tests....:	27.06.2017

Summary of testing:

1. This project is for LED Street Light Electrical Parameter Measurement for input power, input current and power factor under 100% light output with original setting by manufacturer.

2. Tests are conducted at ambient temperature 25°C, humidity 55%RH

3. Five samples are tested and each sample is tested under input voltage AC 210V/50Hz, AC 220V/50Hz, AC 230V/50Hz, AC 240V/50Hz and AC 250V/50Hz.

All above conditions are requested by client.

General remark:

This test report is valid for received test samples only and shall not be reproduced in part without approval of testing laboratory.

Sample 1 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	41.9	0.201	0.989
220	50	41.8	0.192	0.988
230	50	41.8	0.184	0.986
240	50	41.7	0.176	0.984
250	50	41.6	0.169	0.982

Sample 2 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	42.1	0.202	0.989
220	50	42.0	0.193	0.988
230	50	41.9	0.185	0.986
240	50	41.9	0.177	0.984
250	50	41.8	0.170	0.982

Sample 3 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	41.8	0.201	0.989
220	50	41.7	0.192	0.988
230	50	41.7	0.183	0.986
240	50	41.6	0.176	0.984
250	50	41.6	0.169	0.982

Sample 4 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	41.8	0.201	0.989
220	50	41.7	0.192	0.988
230	50	41.6	0.183	0.986
240	50	41.6	0.176	0.984
250	50	41.5	0.169	0.981

Sample 5 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	42.0	0.202	0.989
220	50	41.9	0.193	0.987
230	50	41.8	0.184	0.986
240	50	41.8	0.177	0.984
250	50	41.7	0.170	0.981

Measured wattage at 100% light output

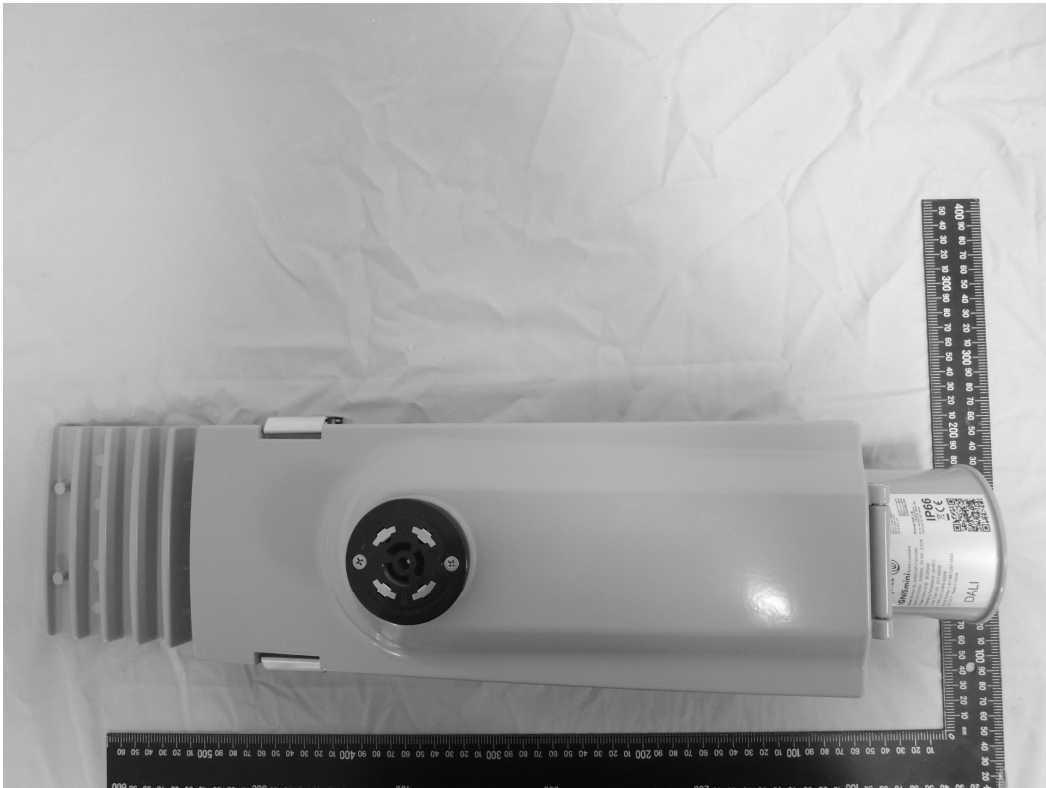
Voltage(V)/Sample	1 (W)	2 (W)	3 (W)	4 (W)	5 (W)
210	41.9	42.1	41.8	41.8	42.0
220	41.8	42.0	41.7	41.7	41.9
230	41.8	41.9	41.7	41.6	41.8
240	41.7	41.9	41.6	41.6	41.8
250	41.6	41.8	41.6	41.5	41.7

Measured VA at 100% light output

Voltage(V)/Sample	1 (VA)	2 (VA)	3 (VA)	4 (VA)	5 (VA)
210	42.4	42.5	42.3	42.2	42.5
220	42.3	42.5	42.3	42.2	42.4
230	42.3	42.5	42.3	42.2	42.4
240	42.4	42.5	42.3	42.2	42.5
250	42.4	42.6	42.3	42.3	42.5

Notes: Tests were conducted after operating for 1 hour to reach their steady load state.

Photo Documentation



Picture 1 Rear side of EUT



Picture 2 Front side of EUT