

# TEST REPORT

## SAMPLE INFORMATION:

1. **Sample Description:** LED Street Light
2. **Trade Mark:**
3. **Models:** ARIALED 60
4. **Serial/Batch No. of Sample:** ---
5. **Manufacturer Date:** ----
6. **Manufacturer:** OrangeTek Limited
7. **Manufacturer Address:** Coach House, Blakenhall Park, Bar Lane, Barton under Needwood, Burton upon Trent DE138AJ
8. **Sample Quantity:** 5 units ARIALED 60



## CLIENT INFORMATION

1. **Applicant:** OrangeTek Limited
2. **Applicant Address:** Coach House Blakenhall Park, Bar Lane, Barton under Needwood, Burton upon Trent DE13 8AJ
3. **Applicant Post Code:** ---
4. **Applicant Telephone:** ---+44 (0)128 371 6690

## TEST INFORMATION:

1. **Applicant No:**
2. **Sampling Method:** Delivered by Applicant
3. **Date of Receipt:** 2013-06-04
4. **Issued Date:** 2013-06-10
5. **Test Item:** Input characteristic
6. **Ref. Documents for the Test:** Specified by client.

## CONCLUSION:

### REMARKS:

1. The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.
2. Characterization & Condition of Sample: Normal.
3. Ambient Condition During Testing: 25 ± 2 C, 50-60% RH.

### Sample 1

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	64.30	0.309	0.988
220	50	64.30	0.296	0.986
230	50	64.40	0.284	0.983
240	50	64.50	0.273	0.981
250	50	64.70	0.263	0.978

### Sample 2

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	64.40	0.309	0.987
220	50	64.40	0.296	0.985
230	50	64.50	0.284	0.983
240	50	64.60	0.273	0.981
250	50	64.70	0.263	0.977

### Sample 3

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	64.30	0.309	0.988
220	50	64.40	0.296	0.986
230	50	64.50	0.284	0.984
240	50	64.50	0.273	0.982
250	50	64.60	0.264	0.979

### Sample 4

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	64.30	0.309	0.989
220	50	64.40	0.296	0.986
230	50	64.40	0.284	0.983
240	50	64.50	0.273	0.981
250	50	64.60	0.263	0.977

### Sample 5

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	64.40	0.309	0.988
220	50	64.50	0.296	0.985
230	50	64.60	0.284	0.982
240	50	64.60	0.273	0.980
250	50	64.70	0.263	0.977

### Watts

Voltage \ Sample	1	2	3	4	5
210	64.30	64.40	64.30	64.30	64.40
220	64.30	64.40	64.40	64.40	64.50
230	64.40	64.50	64.50	64.40	64.60
240	64.50	64.60	64.50	64.50	64.60
250	64.70	64.70	64.60	64.60	64.70

### VA

Voltage \ Sample	1	2	3	4	5
210	64.869	64.848	64.848	64.890	64.869
220	65.054	65.076	65.032	65.098	65.010
230	65.297	65.320	65.274	65.297	65.274
240	65.544	65.520	65.568	65.592	65.544
250	65.850	65.825	65.875	65.775	65.800

### Notes:

1. Test be conducted after operating for 12 hours to reach their steady load state.
2. The measurement uncertainties are for a confidence probability of not less than 98%.
3. The measurement uncertainties of the below value (k=2), Urel(v)=0.1% , Urel(w)=0.1% , Urel(i)=0.2% , Urel(f)=0.05% , Urel(PF)=0.5

## Photograph of Sample

Photo 1 View of EUT



Photo 2 View of EUT

