

# TEST REPORT

## SAMPLE INFORMATION:

1. **Sample Description:** LED Street Light
2. **Trade Mark:**
3. **Models:** ARIALED 50 dim to 50%
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 50



## 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	27.20	0.137	0.947
220	50	27.40	0.132	0.938
230	50	27.60	0.129	0.929
240	50	27.70	0.126	0.919
250	50	27.90	0.123	0.908

### Sample 2

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	27.10	0.137	0.946
220	50	27.20	0.132	0.938
230	50	27.40	0.129	0.928
240	50	27.40	0.126	0.920
250	50	27.60	0.123	0.909

### Sample 3

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	27.30	0.137	0.948
220	50	27.30	0.133	0.939
230	50	27.40	0.129	0.929
240	50	27.60	0.125	0.918
250	50	27.70	0.123	0.909

### Sample 4

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	27.40	0.137	0.947
220	50	27.40	0.133	0.937
230	50	27.50	0.129	0.928
240	50	27.60	0.125	0.918
250	50	27.80	0.123	0.909

### Sample 5

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	27.20	0.137	0.946
220	50	27.30	0.132	0.939
230	50	27.50	0.129	0.927
240	50	27.60	0.126	0.917
250	50	27.60	0.123	0.908

### Watts

Voltage \ Sample	1	2	3	4	5
210	27.20	27.10	27.30	27.40	27.20
220	27.40	27.20	27.30	27.40	27.30
230	27.60	27.40	27.40	27.50	27.50
240	27.70	27.40	27.60	27.60	27.60
250	27.90	27.60	27.70	27.80	27.60

### VA

Voltage \ Sample	1	2	3	4	5
210	28.686	28.707	28.665	28.665	28.728
220	29.128	29.106	29.150	29.172	29.084
230	29.601	29.578	29.624	29.601	29.555
240	30.120	30.144	30.096	30.072	30.144
250	30.700	30.725	30.650	30.675	30.625

### 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

