

# TEST REPORT

## SAMPLE INFORMATION:

1. **Sample Description:** LED Street Light
2. **Trade Mark:**
3. **Models:** ARIALED 40 dim to 70% current
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 40



## 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	30.80	0.153	0.956
220	50	30.90	0.148	0.948
230	50	31.10	0.143	0.940
240	50	31.20	0.139	0.931
250	50	31.40	0.136	0.922

### Sample 2

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	30.70	0.153	0.955
220	50	30.80	0.148	0.947
230	50	31.20	0.143	0.940
240	50	31.20	0.140	0.931
250	50	31.50	0.136	0.923

### Sample 3

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	30.70	0.153	0.956
220	50	30.90	0.148	0.949
230	50	31.00	0.144	0.941
240	50	31.10	0.139	0.930
250	50	31.30	0.136	0.921

### Sample 4

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	30.90	0.153	0.956
220	50	31.00	0.148	0.949
230	50	31.10	0.144	0.939
240	50	31.10	0.140	0.931
250	50	31.30	0.136	0.921

### Sample 5

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	30.80	0.153	0.955
220	50	30.80	0.148	0.946
230	50	31.00	0.143	0.940
240	50	31.10	0.139	0.930
250	50	31.20	0.136	0.923

### Watts

Voltage \ Sample	1	2	3	4	5
210	30.80	30.70	30.70	30.90	30.80
220	30.90	30.80	30.90	31.00	30.80
230	31.10	31.20	31.00	31.10	31.00
240	31.20	31.20	31.10	31.10	31.10
250	31.40	31.50	31.30	31.30	31.20

### VA

Voltage \ Sample	1	2	3	4	5
210	32.172	32.193	32.151	32.214	32.193
220	32.560	32.538	32.582	32.582	32.604
230	32.982	32.959	33.028	33.005	32.936
240	33.456	33.480	33.432	33.504	33.432
250	33.975	33.925	33.900	33.950	33.900

### 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

