

TEST REPORT

SAMPLE INFORMATION:

1. **Sample Description:** LED Street Light
2. **Trade Mark:**
3. **Models:** ARIALED 60 dim to 50% 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 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	32.30	0.160	0.961
220	50	32.50	0.155	0.954
230	50	32.70	0.150	0.947
240	50	32.90	0.146	0.939
250	50	33.10	0.142	0.931

Sample 2

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	32.30	0.160	0.960
220	50	32.40	0.154	0.953
230	50	32.50	0.150	0.947
240	50	32.70	0.146	0.940
250	50	32.90	0.142	0.932

Sample 3

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	32.40	0.160	0.961
220	50	32.50	0.155	0.955
230	50	32.50	0.150	0.946
240	50	32.60	0.146	0.938
250	50	33.80	0.142	0.930

Sample 4

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	32.40	0.160	0.962
220	50	32.50	0.155	0.954
230	50	32.80	0.150	0.946
240	50	32.80	0.145	0.938
250	50	33.10	0.142	0.931

Sample 5

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	32.40	0.160	0.960
220	50	32.50	0.155	0.955
230	50	32.60	0.150	0.947
240	50	32.70	0.146	0.938
250	50	33.00	0.142	0.930

Watts

Voltage \ Sample	1	2	3	4	5
210	32.30	32.30	32.40	32.40	32.40
220	32.50	32.40	32.50	32.50	32.50
230	32.70	32.50	32.50	32.80	32.60
240	32.90	32.70	32.60	32.80	32.70
250	33.10	32.90	33.80	33.10	33.00

VA

Voltage \ Sample	1	2	3	4	5
210	33.579	33.537	33.558	33.579	33.558
220	33.990	33.968	34.012	34.034	34.056
230	34.431	34.454	34.408	34.477	34.431
240	34.920	34.968	34.944	34.896	34.992
250	35.450	35.425	35.475	35.425	35.400

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

