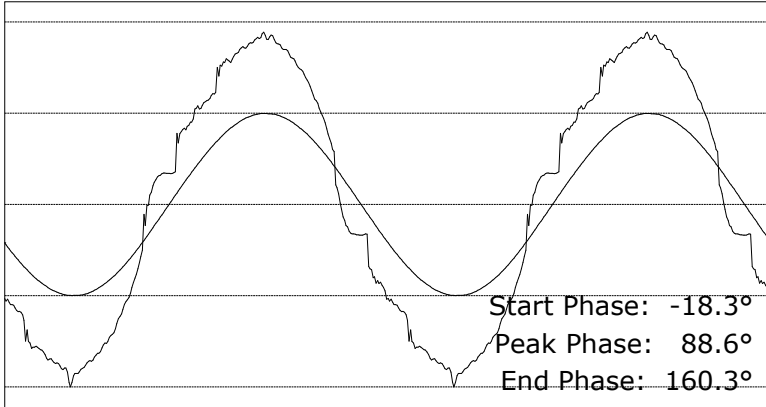
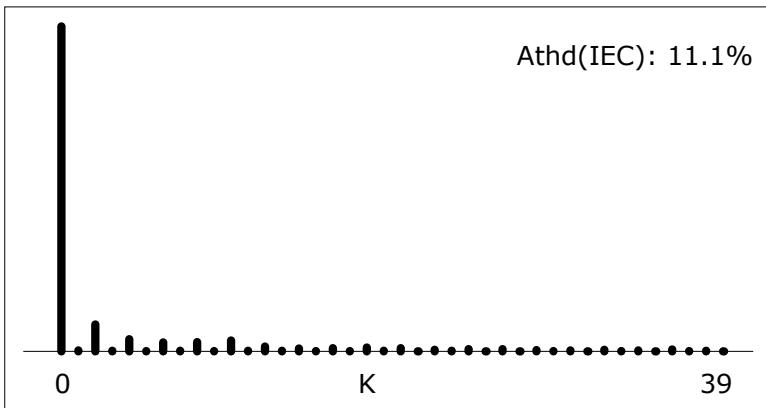
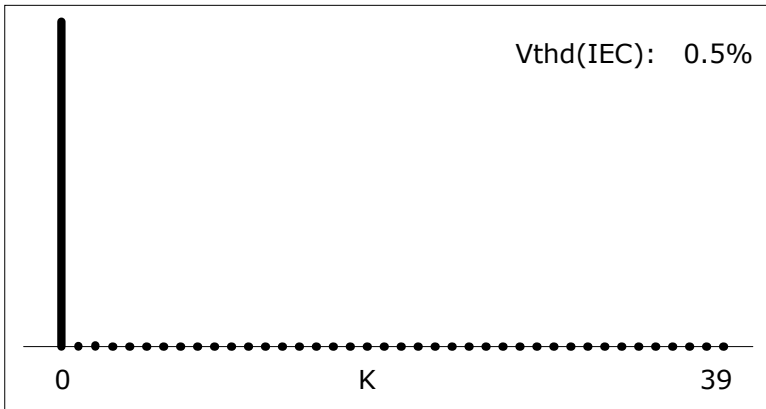


Input Characteristics Test Report [Narrow Band]

Voltage 230.67(V) Current 0.0576(A) Power 13.02(W) Power Factor 0.9801 Frequency 50.00(Hz)



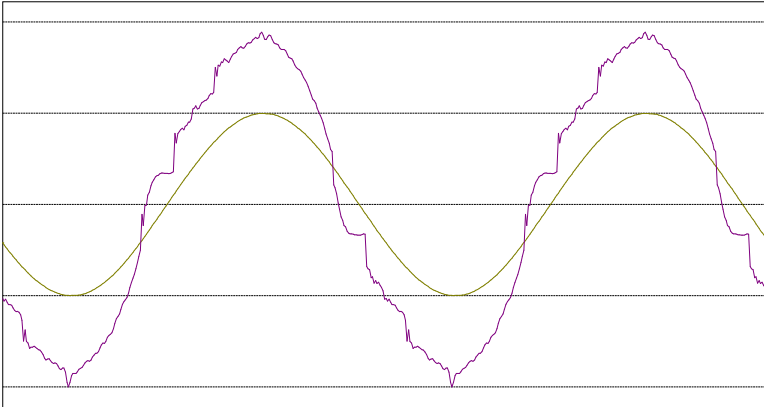
Spectrum(k)	Voltage	Current
0	0.0%	0.4%
1	100.0%	100.0%
2	0.2%	0.4%
3	0.5%	8.3%
4	0.1%	0.2%
5	0.1%	3.8%
6	0.0%	0.1%
7	0.0%	2.8%
8	0.0%	0.3%
9	0.0%	2.9%
10	0.0%	0.2%
11	0.0%	3.4%
12	0.0%	0.2%
13	0.0%	1.5%
14	0.0%	0.2%
15	0.1%	0.9%
16	0.0%	0.2%
17	0.0%	1.0%
18	0.0%	0.2%
19	0.0%	1.2%
20	0.0%	0.2%
21	0.0%	1.0%
22	0.0%	0.1%
23	0.1%	0.6%
24	0.0%	0.2%
25	0.1%	0.8%
26	0.0%	0.1%
27	0.0%	0.7%
28	0.0%	0.1%
29	0.0%	0.5%
30	0.0%	0.1%
31	0.0%	0.3%
32	0.0%	0.1%
33	0.0%	0.6%
34	0.0%	0.1%
35	0.0%	0.3%
36	0.0%	0.0%
37	0.0%	0.6%
38	0.0%	0.1%
39	0.0%	0.3%



Type:LED 0117.W.A231.6.60005.300mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-10

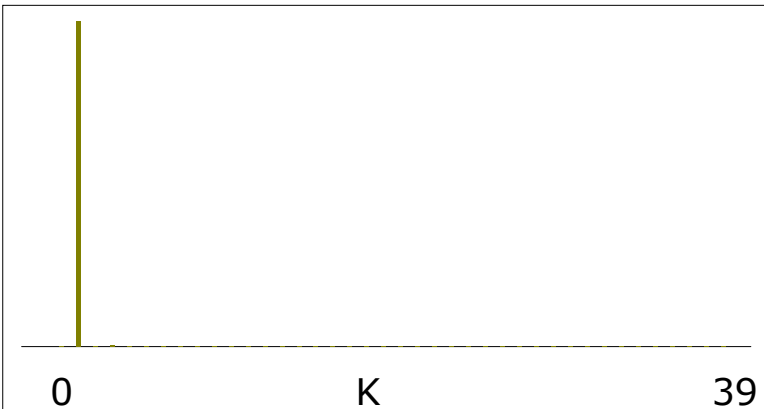
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
230.67(V)	0.0576(A)	13.02(W)	0.9801	50.00(Hz)

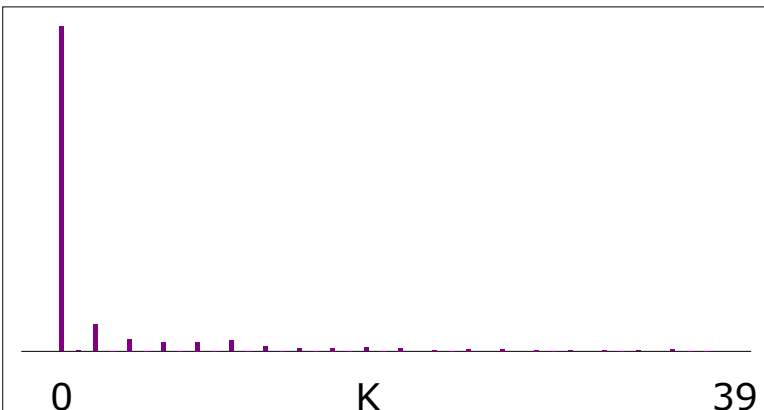


Voltage
Sensitivity: 327.22 V/Div
Peak: 327.22 V

Current
Sensitivity: 0.0440 A
Peak: 0.0881 A
Start Phase: -18.3°
Peak Phase: 88.6°
End Phase: 160.3°



Voltage Spectrum
THD(IEC): 0.53%
H3: 0.46%
H5: 0.05%
H7: 0.02%
H9: 0.01%



Current Spectrum
THD(IEC): 11.1%
H3: 8.29%
H5: 3.78%
H7: 2.76%
H9: 2.94%

Input Characteristics Test Report [Narrow Band] (Cont.)

Voltage: 230.67(V)

VCF: 1.419

Vthd(IEC): 0.53%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.02%	0.04
1	100.00%	230.67
2	0.20%	0.47
3	0.46%	1.05
4	0.08%	0.19
5	0.05%	0.12
6	0.01%	0.03
7	0.02%	0.05
8	0.01%	0.02
9	0.01%	0.02
10	0.01%	0.02
11	0.04%	0.10
12	0.01%	0.02
13	0.04%	0.08
14	0.01%	0.03
15	0.07%	0.16
16	0.01%	0.01
17	0.02%	0.04
18	0.01%	0.01
19	0.02%	0.04
20	0.01%	0.02
21	0.02%	0.06
22	0.01%	0.02
23	0.05%	0.12
24	0.01%	0.03
25	0.07%	0.16
26	0.01%	0.01
27	0.04%	0.08
28	0.01%	0.02
29	0.00%	0.00
30	0.00%	0.00
31	0.02%	0.05
32	0.00%	0.01
33	0.01%	0.01
34	0.00%	0.01
35	0.02%	0.04
36	0.00%	0.01
37	0.01%	0.02
38	0.00%	0.00
39	0.01%	0.03

Current: 0.0576(A)

ACF: 1.530

Athd(IEC): 11.08%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.40%	0.02
1	100.00%	4.39
2	0.39%	0.02
3	8.29%	0.36
4	0.24%	0.01
5	3.78%	0.17
6	0.15%	0.01
7	2.76%	0.12
8	0.27%	0.01
9	2.94%	0.13
10	0.17%	0.01
11	3.37%	0.15
12	0.22%	0.01
13	1.50%	0.07
14	0.21%	0.01
15	0.92%	0.04
16	0.15%	0.01
17	1.03%	0.05
18	0.16%	0.01
19	1.22%	0.05
20	0.24%	0.01
21	1.04%	0.05
22	0.07%	0.00
23	0.57%	0.02
24	0.21%	0.01
25	0.76%	0.03
26	0.09%	0.00
27	0.74%	0.03
28	0.10%	0.00
29	0.49%	0.02
30	0.13%	0.01
31	0.31%	0.01
32	0.05%	0.00
33	0.59%	0.03
34	0.13%	0.01
35	0.33%	0.01
36	0.04%	0.00
37	0.61%	0.03
38	0.11%	0.00
39	0.26%	0.01

Type:LED 0117.W.A231.6.60005.300mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-10-10

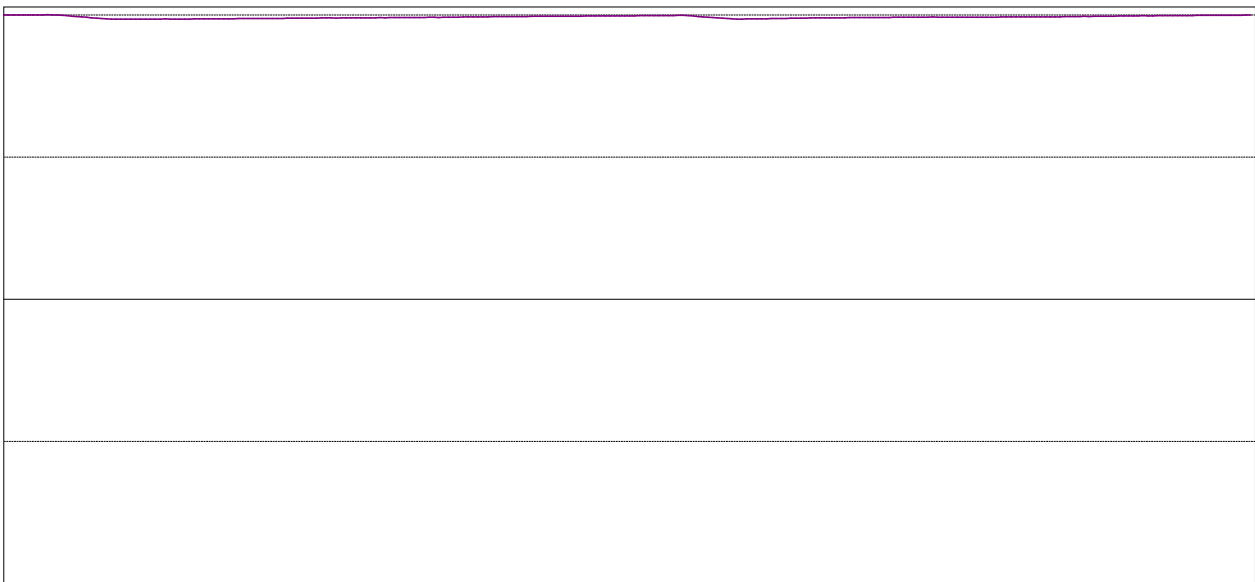
Output

Lamp Voltage(rms):36.81V Lamp Current(rms):0.3017A
Power:11.11W Ripple Current:0.000A Energy Efficiency:0.852

Lamp Voltage Wave



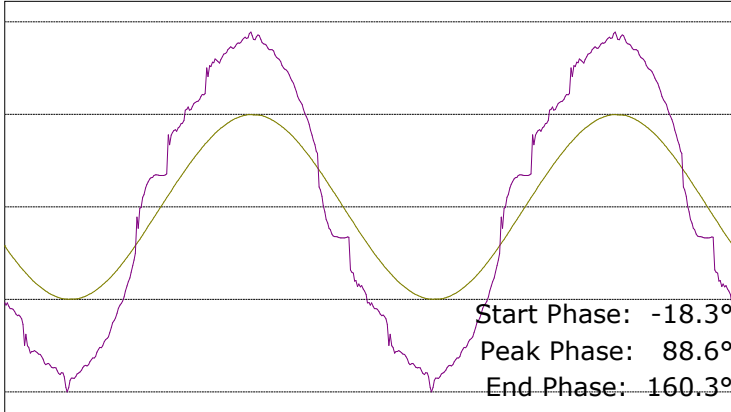
Lamp Current Wave



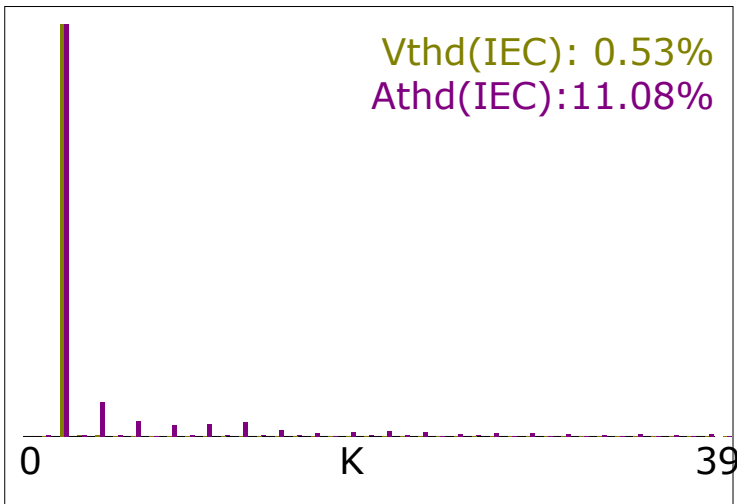
Type:LED 0117.W.A231.6.60005.300mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-10-10

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



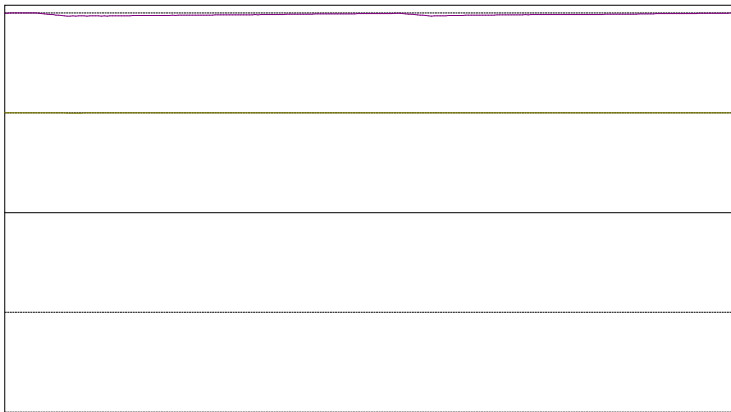
Voltage: 230.674(V)
 VCF: 1.419
 Vthd(IEC): 0.53%
 Current: 0.058(A)
 ACF: 1.530
 Athd(IEC): 11.08%
 Power: 13.0(W)
 Power Factor: 0.9801
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.46%
 H5: 0.05%
 H7: 0.02%
 H9: 0.01%

Current Spectrum
 H3: 8.29%
 H5: 3.78%
 H7: 2.76%
 H9: 2.94%

Output characteristics



Lamp Voltage(rms):36.81V
 Lamp Current(rms):0.3017A
 Power:11.11W
 Ripple Current:0.000A
 Energy Efficiency:0.852