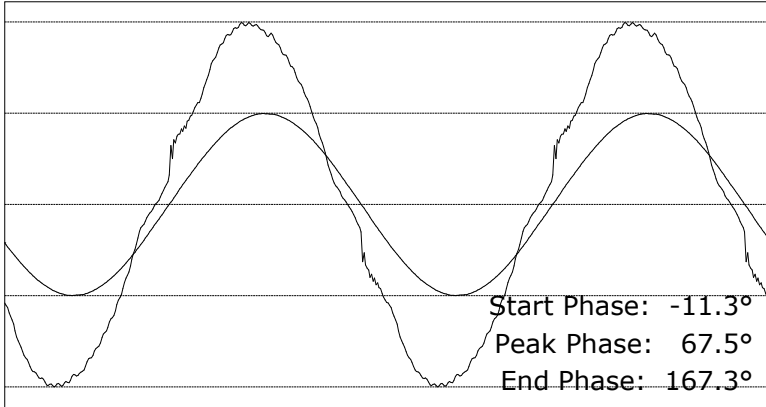
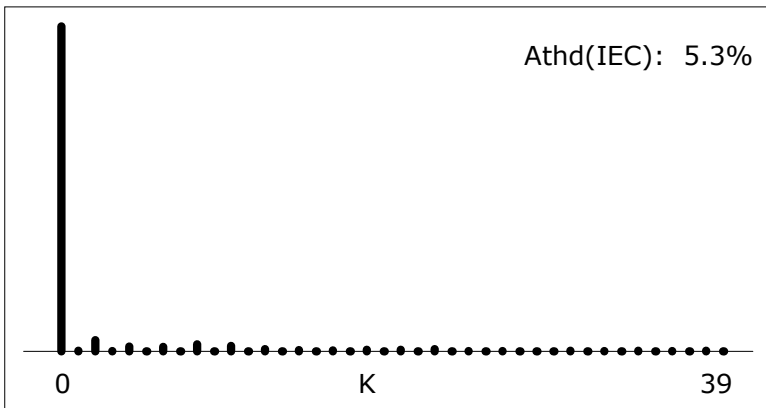
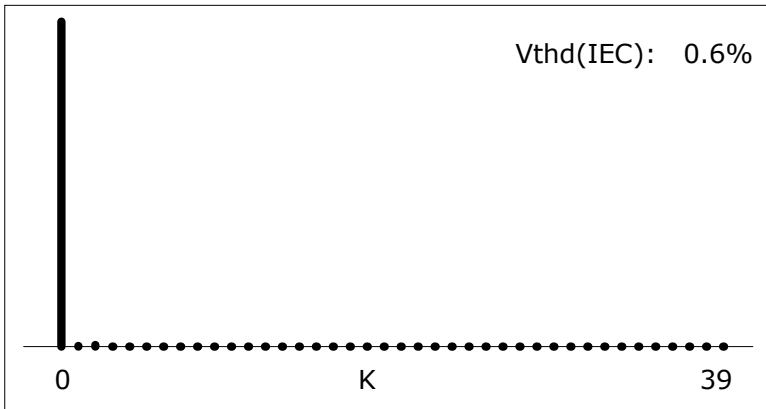


Input Characteristics Test Report [Narrow Band]

Voltage 229.71(V) Current 0.1441(A) Power 32.12(W) Power Factor 0.9704 Frequency 50.00(Hz)



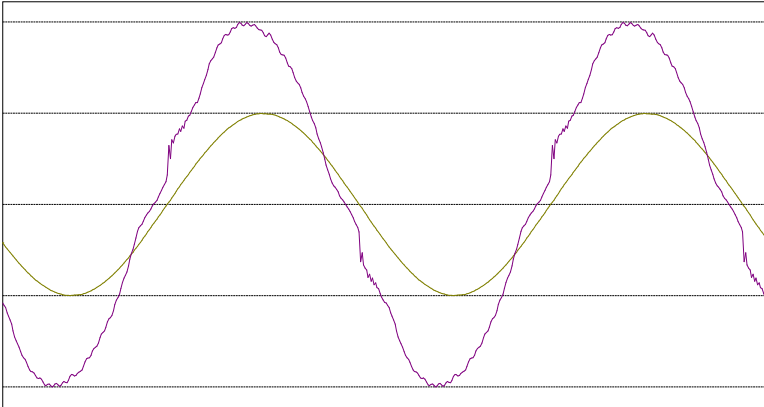
Spectrum(k)	Voltage	Current
0	0.0%	0.1%
1	100.0%	100.0%
2	0.2%	0.2%
3	0.5%	3.5%
4	0.1%	0.1%
5	0.1%	1.6%
6	0.0%	0.0%
7	0.0%	1.4%
8	0.0%	0.0%
9	0.1%	2.2%
10	0.0%	0.1%
11	0.1%	1.7%
12	0.0%	0.0%
13	0.0%	0.8%
14	0.0%	0.0%
15	0.1%	0.4%
16	0.0%	0.0%
17	0.0%	0.3%
18	0.0%	0.0%
19	0.0%	0.6%
20	0.0%	0.0%
21	0.1%	0.5%
22	0.0%	0.0%
23	0.0%	0.8%
24	0.0%	0.0%
25	0.1%	0.1%
26	0.0%	0.0%
27	0.0%	0.2%
28	0.0%	0.0%
29	0.0%	0.1%
30	0.0%	0.0%
31	0.0%	0.2%
32	0.0%	0.0%
33	0.0%	0.1%
34	0.0%	0.0%
35	0.0%	0.3%
36	0.0%	0.0%
37	0.0%	0.2%
38	0.0%	0.0%
39	0.0%	0.2%



Type:LED 0124.W.A931.6.60048.800mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-24

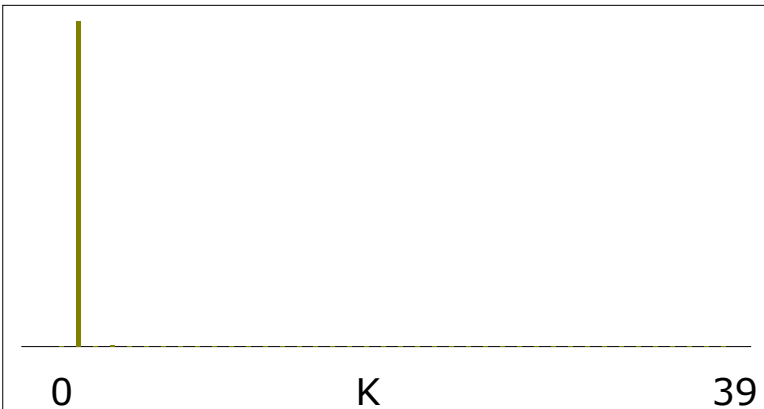
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
229.71(V)	0.1441(A)	32.12(W)	0.9704	50.00(Hz)

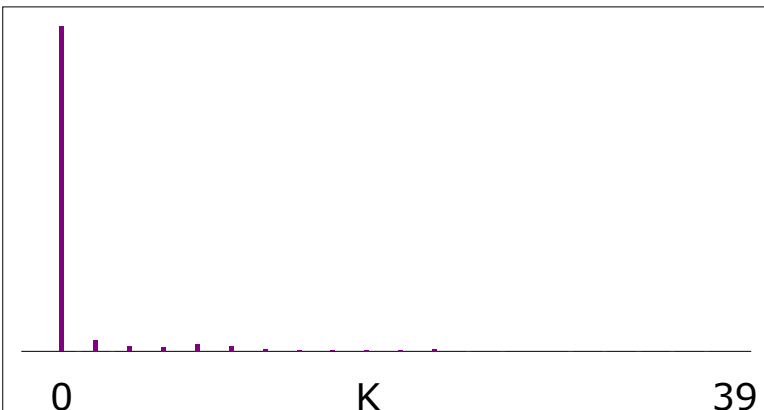


Voltage
Sensitivity: 326.67 V/Div
Peak: 326.67 V

Current
Sensitivity: 0.1054 A
Peak: 0.2107 A
Start Phase: -11.3°
Peak Phase: 67.5°
End Phase: 167.3°



Voltage Spectrum
THD(IEC): 0.59%
H3: 0.51%
H5: 0.07%
H7: 0.04%
H9: 0.06%



Current Spectrum
THD(IEC): 5.3%
H3: 3.50%
H5: 1.56%
H7: 1.42%
H9: 2.24%

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

Voltage: 229.71(V)

VCF: 1.422

Vthd(IEC): 0.59%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.06
1	100.00%	229.73
2	0.20%	0.47
3	0.51%	1.18
4	0.09%	0.21
5	0.07%	0.16
6	0.02%	0.05
7	0.04%	0.10
8	0.00%	0.00
9	0.06%	0.13
10	0.01%	0.01
11	0.05%	0.12
12	0.01%	0.02
13	0.04%	0.09
14	0.01%	0.02
15	0.07%	0.17
16	0.00%	0.01
17	0.02%	0.05
18	0.00%	0.01
19	0.02%	0.06
20	0.00%	0.01
21	0.06%	0.13
22	0.00%	0.00
23	0.05%	0.11
24	0.00%	0.01
25	0.07%	0.17
26	0.01%	0.01
27	0.02%	0.05
28	0.01%	0.01
29	0.02%	0.05
30	0.01%	0.01
31	0.01%	0.03
32	0.01%	0.01
33	0.02%	0.05
34	0.00%	0.01
35	0.01%	0.03
36	0.00%	0.01
37	0.02%	0.04
38	0.00%	0.00
39	0.01%	0.02

Current: 0.1441(A)

ACF: 1.463

Athd(IEC): 5.28%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.14%	0.01
1	100.00%	4.48
2	0.20%	0.01
3	3.50%	0.16
4	0.11%	0.00
5	1.56%	0.07
6	0.02%	0.00
7	1.42%	0.06
8	0.02%	0.00
9	2.24%	0.10
10	0.06%	0.00
11	1.72%	0.08
12	0.05%	0.00
13	0.75%	0.03
14	0.03%	0.00
15	0.44%	0.02
16	0.02%	0.00
17	0.31%	0.01
18	0.02%	0.00
19	0.55%	0.02
20	0.01%	0.00
21	0.52%	0.02
22	0.02%	0.00
23	0.77%	0.03
24	0.03%	0.00
25	0.15%	0.01
26	0.02%	0.00
27	0.16%	0.01
28	0.01%	0.00
29	0.07%	0.00
30	0.02%	0.00
31	0.25%	0.01
32	0.02%	0.00
33	0.14%	0.01
34	0.01%	0.00
35	0.29%	0.01
36	0.01%	0.00
37	0.17%	0.01
38	0.01%	0.00
39	0.21%	0.01

Type:LED 0124.W.A931.6.60048.800mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-10-24

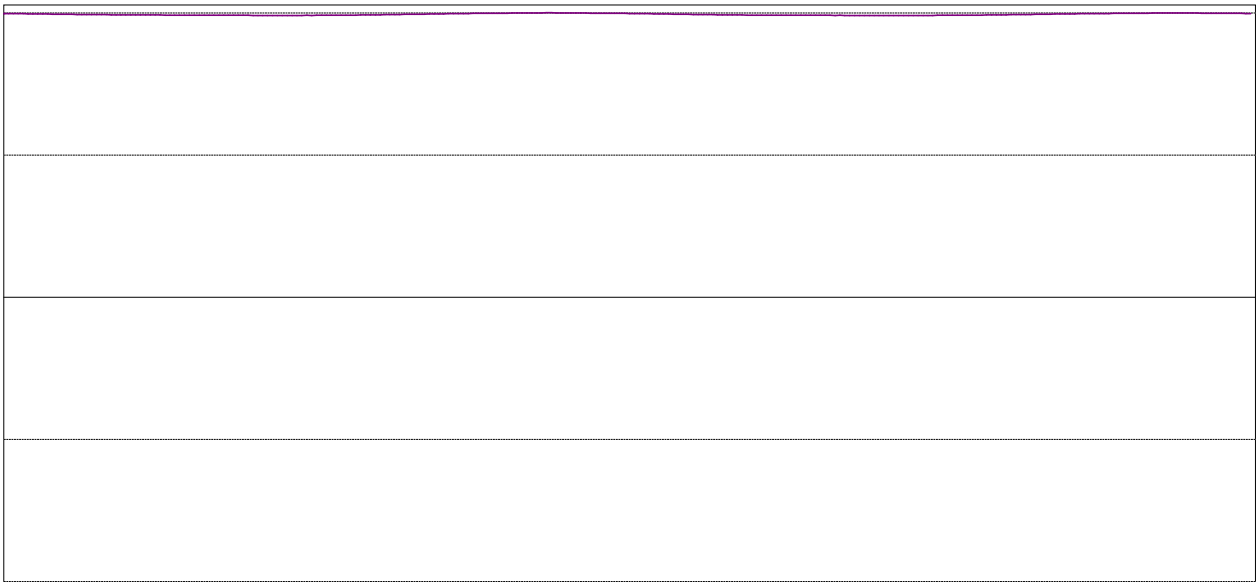
Output

Lamp Voltage(rms):35.51V Lamp Current(rms):0.7996A
Power:28.39W Ripple Current:0.000A Energy Efficiency:0.883

Lamp Voltage Wave



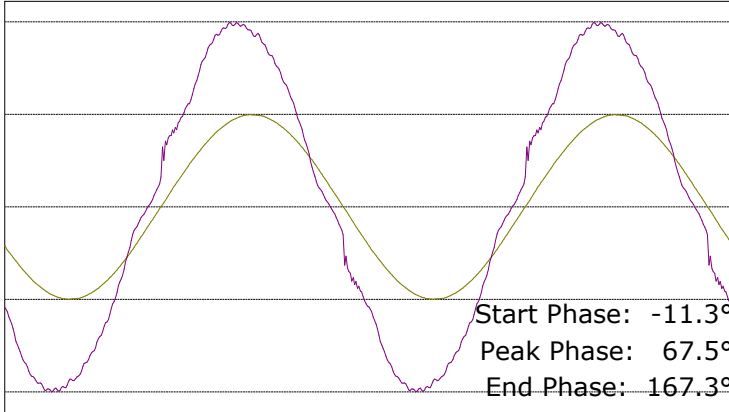
Lamp Current Wave



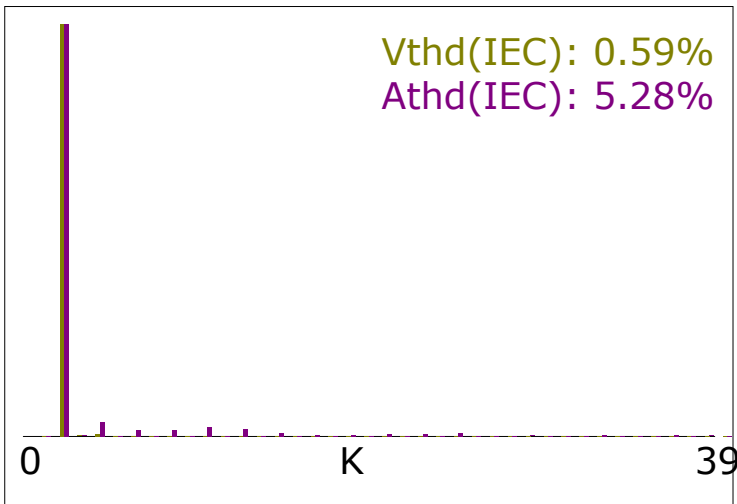
Type:LED 0124.W.A931.6.60048.800mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-10-24

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



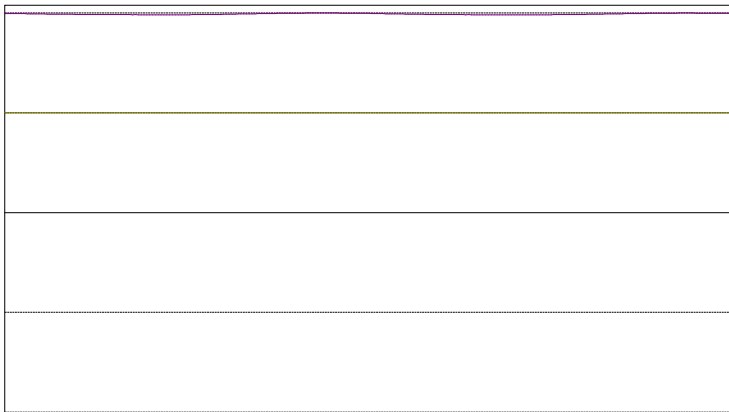
Voltage: 229.707(V)
VCF: 1.422
Vthd(IEC): 0.59%
Current: 0.144(A)
ACF: 1.463
Athd(IEC): 5.28%
Power: 32.1(W)
Power Factor: 0.9704
Frequency: 50.00(Hz)



Voltage Spectrum
H3: 0.51%
H5: 0.07%
H7: 0.04%
H9: 0.06%

Current Spectrum
H3: 3.50%
H5: 1.56%
H7: 1.42%
H9: 2.24%

Output characteristics



Lamp Voltage(rms):35.51V
Lamp Current(rms):0.7996A
Power:28.39W
Ripple Current:0.000A
Energy Efficiency:0.883