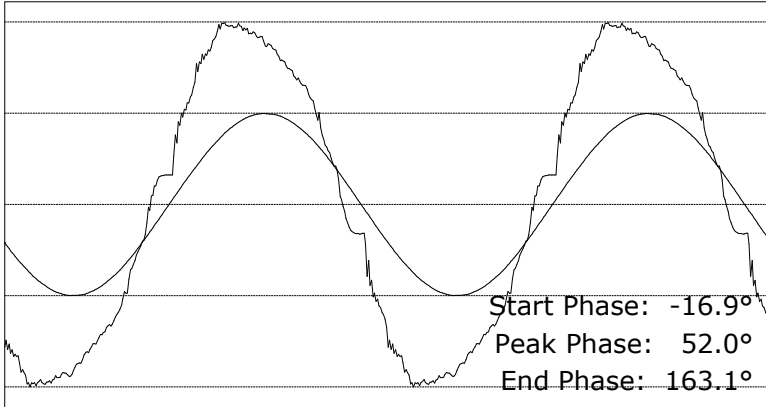
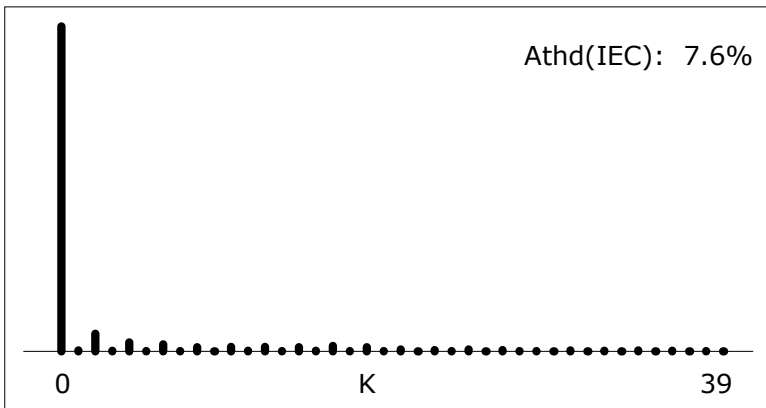
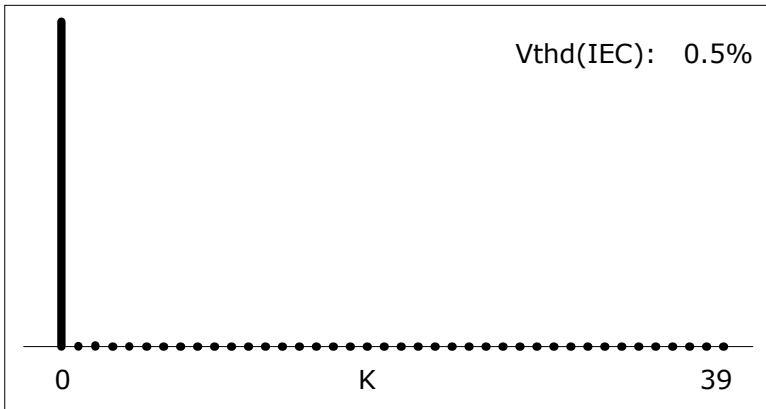


Input Characteristics Test Report [Narrow Band]

Voltage 230.23(V) Current 0.0986(A) Power 21.75(W) Power Factor 0.9583 Frequency 50.00(Hz)



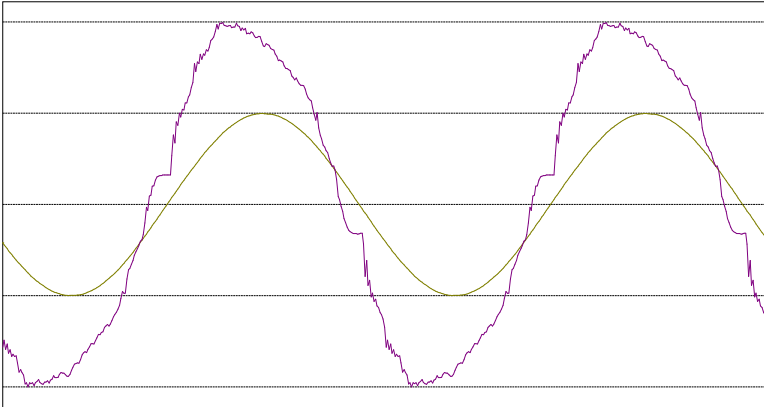
Spectrum(k)	Voltage	Current
0	0.0%	0.2%
1	100.0%	100.0%
2	0.2%	0.4%
3	0.5%	5.4%
4	0.1%	0.2%
5	0.1%	2.8%
6	0.0%	0.1%
7	0.0%	2.2%
8	0.0%	0.2%
9	0.0%	1.3%
10	0.0%	0.1%
11	0.1%	1.4%
12	0.0%	0.2%
13	0.0%	1.4%
14	0.0%	0.1%
15	0.0%	1.3%
16	0.0%	0.2%
17	0.0%	1.7%
18	0.0%	0.1%
19	0.0%	1.3%
20	0.0%	0.1%
21	0.1%	0.6%
22	0.0%	0.1%
23	0.1%	0.4%
24	0.0%	0.2%
25	0.0%	0.6%
26	0.0%	0.0%
27	0.0%	0.5%
28	0.0%	0.1%
29	0.0%	0.2%
30	0.0%	0.1%
31	0.0%	0.3%
32	0.0%	0.0%
33	0.0%	0.2%
34	0.0%	0.0%
35	0.0%	0.3%
36	0.0%	0.0%
37	0.0%	0.2%
38	0.0%	0.1%
39	0.0%	0.2%



Type:LED 0108.W.A311.6.60022.500mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-25

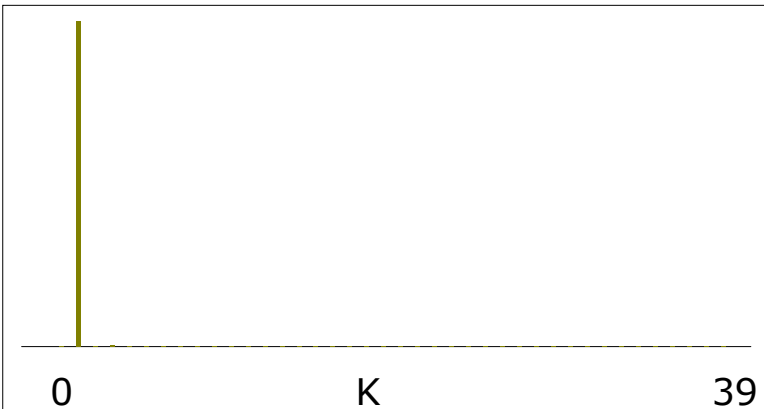
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
230.23(V)	0.0986(A)	21.75(W)	0.9583	50.00(Hz)

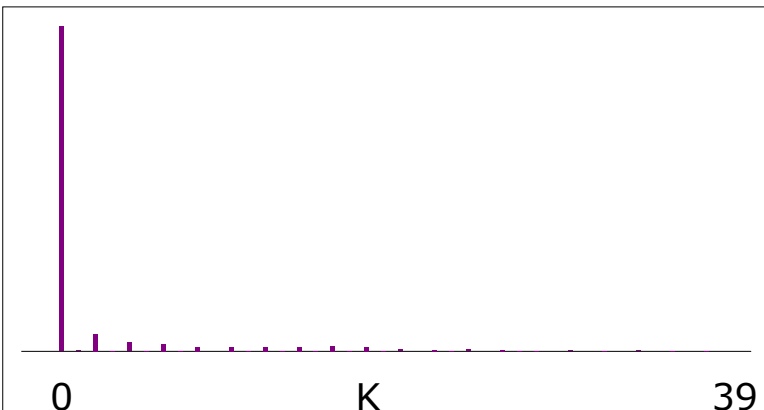


Voltage
Sensitivity: 326.90 V/Div
Peak: 326.90 V

Current
Sensitivity: 0.0698 A
Peak: 0.1395 A
Start Phase: -16.9°
Peak Phase: 52.0°
End Phase: 163.1°



Voltage Spectrum
THD(IEC): 0.55%
H3: 0.46%
H5: 0.10%
H7: 0.01%
H9: 0.01%



Current Spectrum
THD(IEC): 7.6%
H3: 5.42%
H5: 2.82%
H7: 2.22%
H9: 1.35%

Type:LED 0108.W.A311.6.60022.500mA	Number:1
Manufacturer: Brasled	
Temperature:25iãC	Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester	
Operator:	Inspector:
Test Time:2016-10-25	

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

Voltage: 230.23(V)

VCF: 1.420

Vthd(IEC): 0.55%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.06
1	100.00%	230.23
2	0.21%	0.49
3	0.46%	1.06
4	0.09%	0.22
5	0.10%	0.23
6	0.02%	0.05
7	0.01%	0.02
8	0.00%	0.01
9	0.01%	0.03
10	0.01%	0.02
11	0.07%	0.17
12	0.01%	0.02
13	0.04%	0.10
14	0.01%	0.03
15	0.04%	0.10
16	0.01%	0.02
17	0.02%	0.05
18	0.01%	0.02
19	0.04%	0.09
20	0.01%	0.03
21	0.05%	0.12
22	0.01%	0.03
23	0.06%	0.15
24	0.01%	0.03
25	0.05%	0.11
26	0.01%	0.02
27	0.03%	0.07
28	0.01%	0.02
29	0.02%	0.05
30	0.00%	0.01
31	0.02%	0.04
32	0.00%	0.01
33	0.02%	0.04
34	0.00%	0.00
35	0.01%	0.03
36	0.01%	0.02
37	0.00%	0.01
38	0.00%	0.00
39	0.02%	0.04

Current: 0.0986(A)

ACF: 1.415

Athd(IEC): 7.64%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.18%	0.01
1	100.00%	4.52
2	0.38%	0.02
3	5.42%	0.25
4	0.22%	0.01
5	2.82%	0.13
6	0.15%	0.01
7	2.22%	0.10
8	0.16%	0.01
9	1.35%	0.06
10	0.10%	0.00
11	1.44%	0.07
12	0.20%	0.01
13	1.40%	0.06
14	0.15%	0.01
15	1.35%	0.06
16	0.20%	0.01
17	1.73%	0.08
18	0.12%	0.01
19	1.33%	0.06
20	0.13%	0.01
21	0.63%	0.03
22	0.09%	0.00
23	0.42%	0.02
24	0.18%	0.01
25	0.64%	0.03
26	0.04%	0.00
27	0.46%	0.02
28	0.13%	0.01
29	0.16%	0.01
30	0.06%	0.00
31	0.32%	0.01
32	0.04%	0.00
33	0.21%	0.01
34	0.04%	0.00
35	0.35%	0.02
36	0.04%	0.00
37	0.23%	0.01
38	0.06%	0.00
39	0.15%	0.01

Type:LED 0108.W.A311.6.60022.500mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-10-25

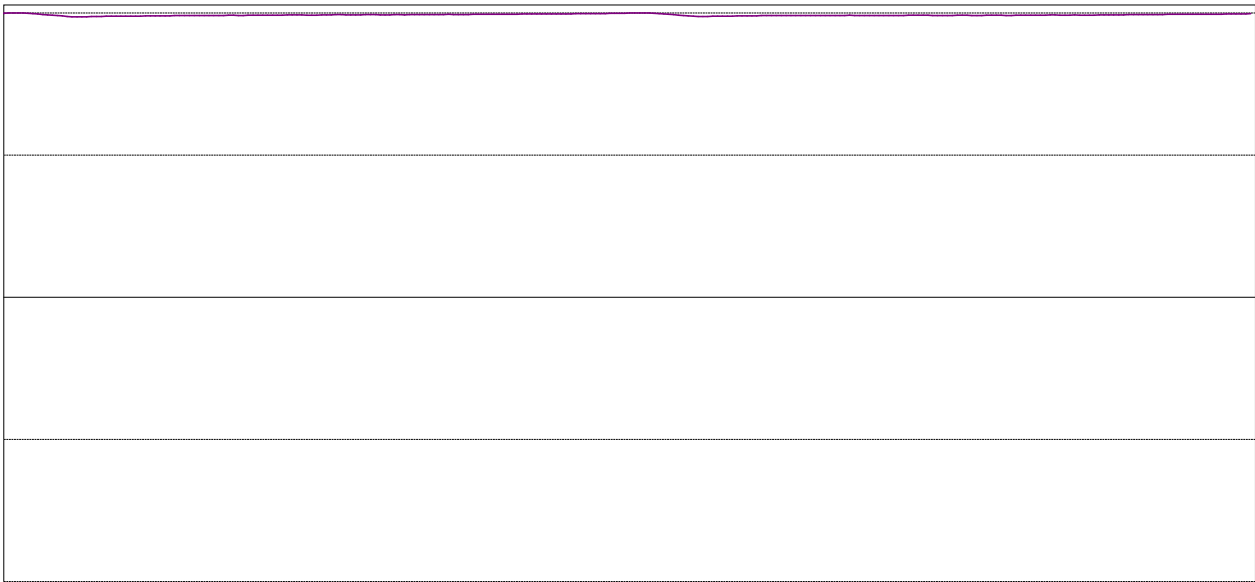
Output

Lamp Voltage(rms):37.47V Lamp Current(rms):0.5074A
Power:19.01W Ripple Current:0.000A Energy Efficiency:0.874

Lamp Voltage Wave



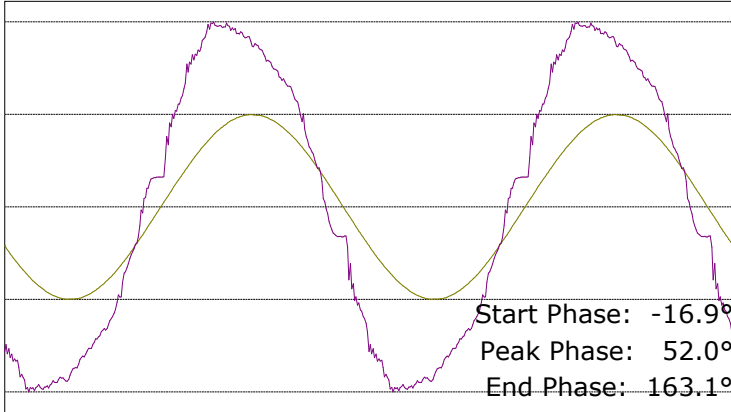
Lamp Current Wave



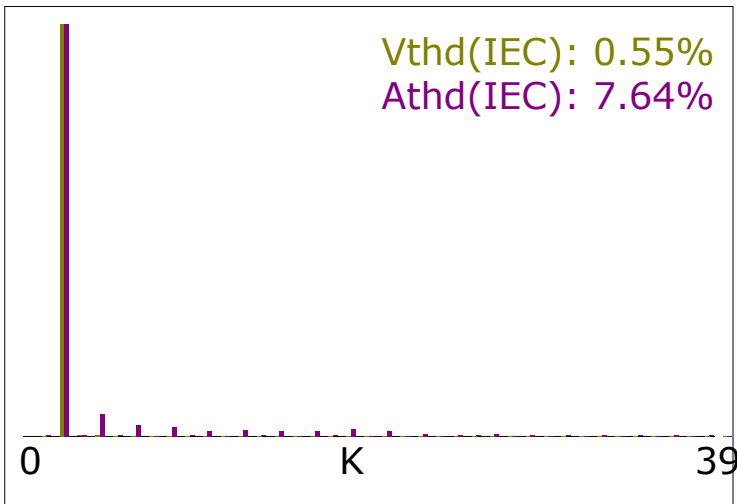
Type:LED 0108.W.A311.6.60022.500mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-10-25

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



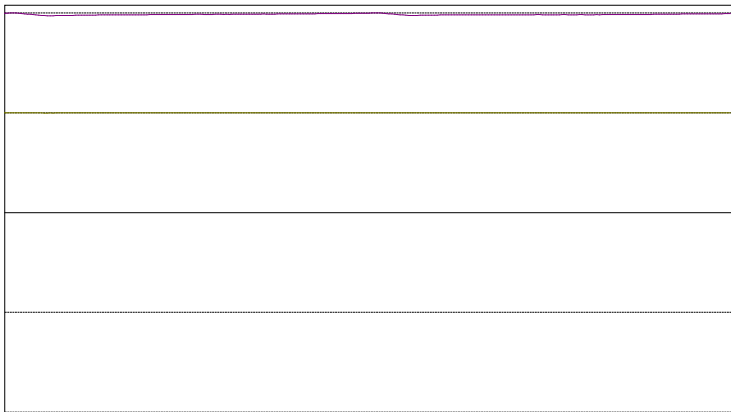
Voltage: 230.226(V)
 VCF: 1.420
 Vthd(IEC): 0.55%
 Current: 0.099(A)
 ACF: 1.415
 Athd(IEC): 7.64%
 Power: 21.8(W)
 Power Factor: 0.9583
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.46%
 H5: 0.10%
 H7: 0.01%
 H9: 0.01%

Current Spectrum
 H3: 5.42%
 H5: 2.82%
 H7: 2.22%
 H9: 1.35%

Output characteristics



Lamp Voltage(rms):37.47V
 Lamp Current(rms):0.5074A
 Power:19.01W
 Ripple Current:0.000A
 Energy Efficiency:0.874