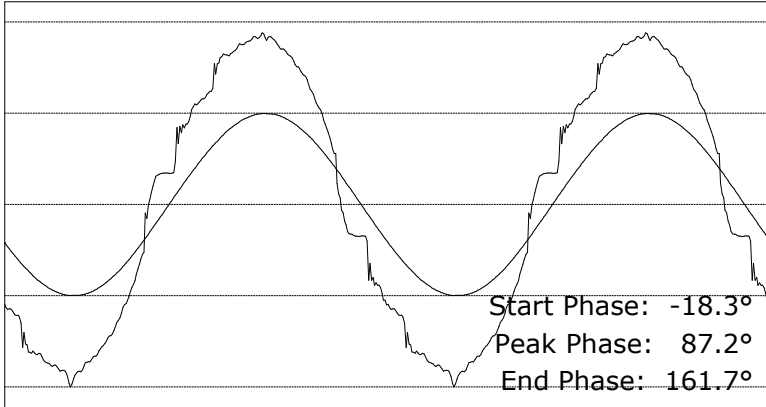
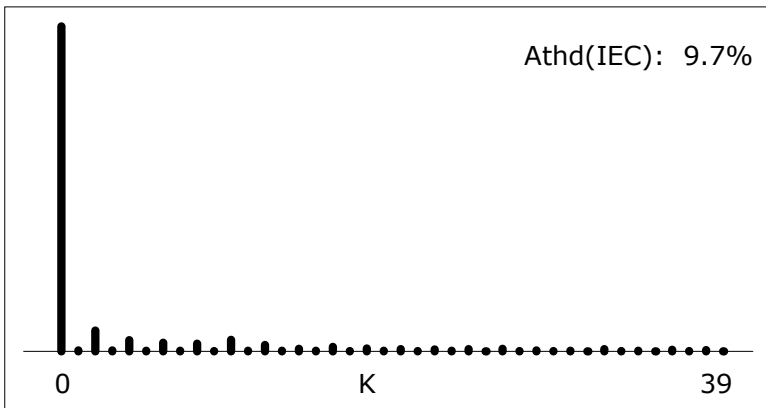
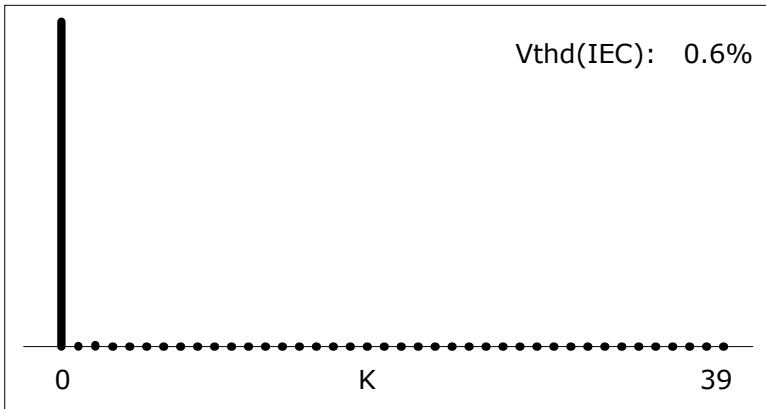


Input Characteristics Test Report [Narrow Band]

Voltage 229.37(V) Current 0.0573(A) Power 12.86(W) Power Factor 0.9783 Frequency 50.00(Hz)



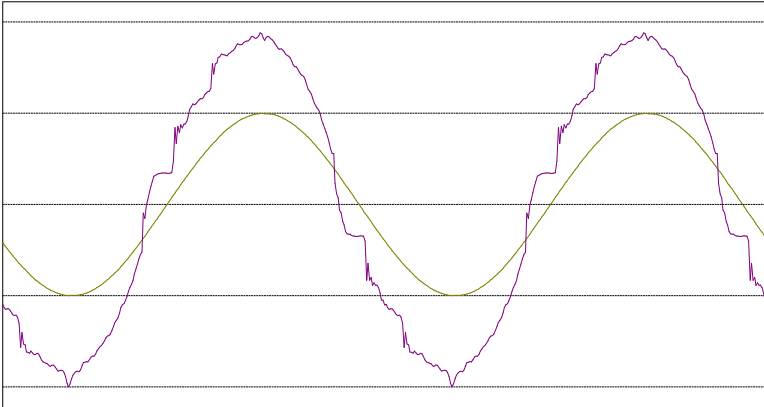
Spectrum(k)	Voltage	Current
0	0.0%	0.1%
1	100.0%	100.0%
2	0.2%	0.4%
3	0.6%	6.4%
4	0.1%	0.3%
5	0.1%	3.5%
6	0.0%	0.2%
7	0.1%	2.7%
8	0.0%	0.3%
9	0.0%	2.4%
10	0.0%	0.1%
11	0.0%	3.6%
12	0.0%	0.3%
13	0.0%	2.0%
14	0.0%	0.2%
15	0.1%	0.8%
16	0.0%	0.2%
17	0.0%	1.4%
18	0.0%	0.2%
19	0.0%	0.9%
20	0.0%	0.2%
21	0.0%	0.7%
22	0.0%	0.1%
23	0.1%	0.7%
24	0.0%	0.3%
25	0.1%	0.8%
26	0.0%	0.1%
27	0.0%	0.9%
28	0.0%	0.1%
29	0.0%	0.4%
30	0.0%	0.1%
31	0.0%	0.3%
32	0.0%	0.0%
33	0.0%	0.7%
34	0.0%	0.1%
35	0.0%	0.2%
36	0.0%	0.0%
37	0.0%	0.5%
38	0.0%	0.1%
39	0.0%	0.5%



Type:LED 0409.WGB.A231.6.60012.300mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-12

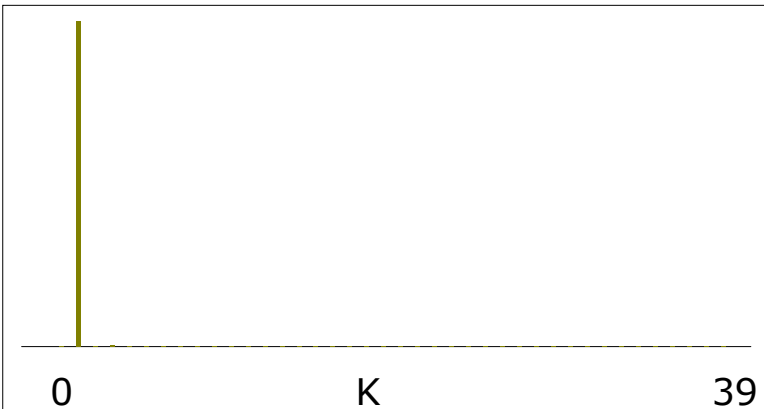
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
229.37(V)	0.0573(A)	12.86(W)	0.9783	50.00(Hz)

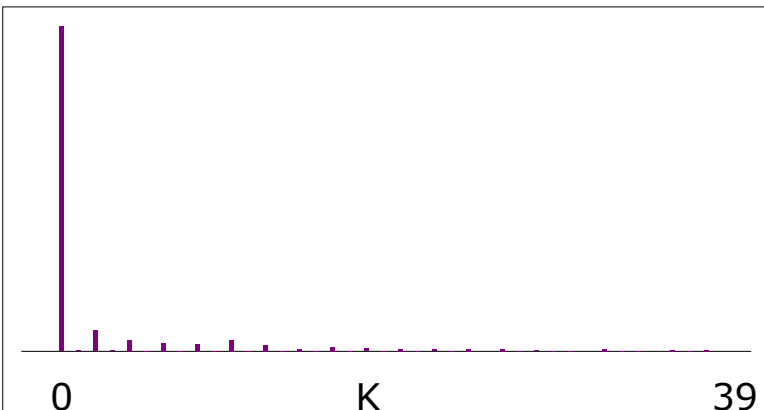


Voltage
Sensitivity: 325.83 V/Div
Peak: 325.83 V

Current
Sensitivity: 0.0429 A
Peak: 0.0859 A
Start Phase: -18.3°
Peak Phase: 87.2°
End Phase: 161.7°



Voltage Spectrum
THD(IEC): 0.63%
H3: 0.57%
H5: 0.05%
H7: 0.05%
H9: 0.02%



Current Spectrum
THD(IEC): 9.7%
H3: 6.42%
H5: 3.54%
H7: 2.72%
H9: 2.41%

Type:LED 0409.WGB.A231.6.60012.300mA
Number:1
Manufacturer: Brasled
Temperature:25iãC
Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator:
Inspector:
Test Time:2016-10-12

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

Voltage: 229.37(V)
 VCF: 1.421
 Vthd(IEC): 0.63%

Current: 0.0573(A)
 ACF: 1.498
 Athd(IEC): 9.66%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.07
1	100.00%	229.37
2	0.21%	0.48
3	0.57%	1.31
4	0.08%	0.18
5	0.05%	0.12
6	0.01%	0.03
7	0.05%	0.13
8	0.01%	0.02
9	0.02%	0.05
10	0.01%	0.02
11	0.03%	0.08
12	0.01%	0.02
13	0.03%	0.06
14	0.01%	0.03
15	0.06%	0.15
16	0.01%	0.02
17	0.03%	0.06
18	0.01%	0.01
19	0.01%	0.02
20	0.01%	0.02
21	0.03%	0.07
22	0.01%	0.02
23	0.06%	0.14
24	0.01%	0.02
25	0.06%	0.13
26	0.01%	0.01
27	0.04%	0.10
28	0.01%	0.02
29	0.02%	0.04
30	0.00%	0.00
31	0.02%	0.05
32	0.01%	0.02
33	0.01%	0.03
34	0.00%	0.00
35	0.02%	0.04
36	0.00%	0.00
37	0.01%	0.01
38	0.00%	0.01
39	0.02%	0.03

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.06%	0.00
1	100.00%	4.43
2	0.39%	0.02
3	6.42%	0.28
4	0.34%	0.01
5	3.54%	0.16
6	0.21%	0.01
7	2.72%	0.12
8	0.27%	0.01
9	2.41%	0.11
10	0.14%	0.01
11	3.56%	0.16
12	0.27%	0.01
13	1.97%	0.09
14	0.22%	0.01
15	0.82%	0.04
16	0.23%	0.01
17	1.40%	0.06
18	0.18%	0.01
19	0.89%	0.04
20	0.20%	0.01
21	0.73%	0.03
22	0.11%	0.00
23	0.65%	0.03
24	0.26%	0.01
25	0.75%	0.03
26	0.08%	0.00
27	0.88%	0.04
28	0.13%	0.01
29	0.37%	0.02
30	0.11%	0.00
31	0.26%	0.01
32	0.05%	0.00
33	0.74%	0.03
34	0.13%	0.01
35	0.21%	0.01
36	0.04%	0.00
37	0.52%	0.02
38	0.11%	0.00
39	0.46%	0.02

Type:LED 0409.WGB.A231.6.60012.300mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-12

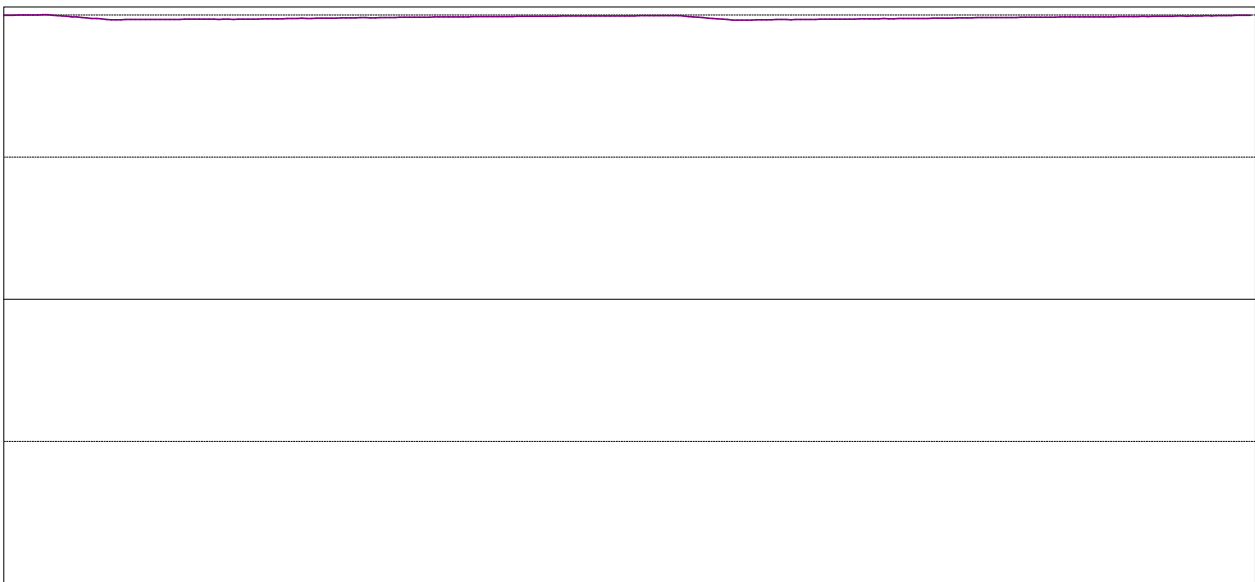
Output

Lamp Voltage(rms):36.52V Lamp Current(rms):0.3000A
Power:10.96W Ripple Current:0.000A Energy Efficiency:0.851

Lamp Voltage Wave



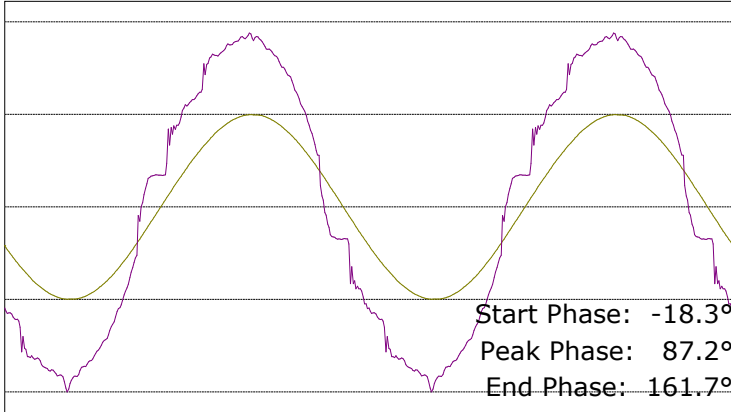
Lamp Current Wave



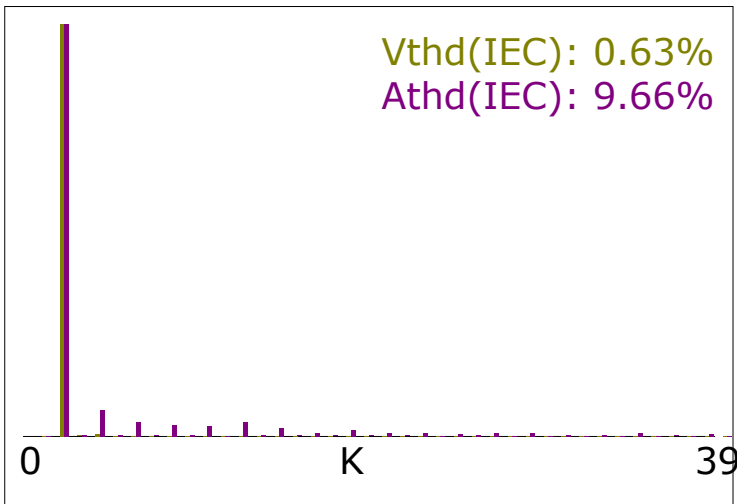
Type:LED 0409.WGB.A231.6.60012.300mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-10-12

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



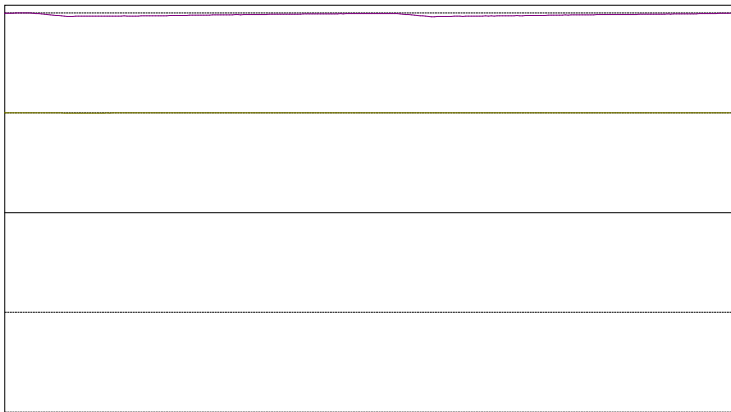
Voltage: 229.374(V)
 VCF: 1.421
 Vthd(IEC): 0.63%
 Current: 0.057(A)
 ACF: 1.498
 Athd(IEC): 9.66%
 Power: 12.9(W)
 Power Factor: 0.9783
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.57%
 H5: 0.05%
 H7: 0.05%
 H9: 0.02%

Current Spectrum
 H3: 6.42%
 H5: 3.54%
 H7: 2.72%
 H9: 2.41%

Output characteristics



Lamp Voltage(rms):36.52V
 Lamp Current(rms):0.3000A
 Power:10.96W
 Ripple Current:0.000A
 Energy Efficiency:0.851