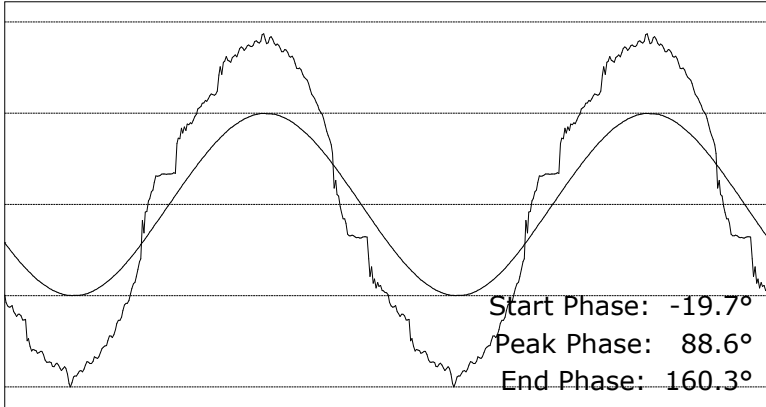
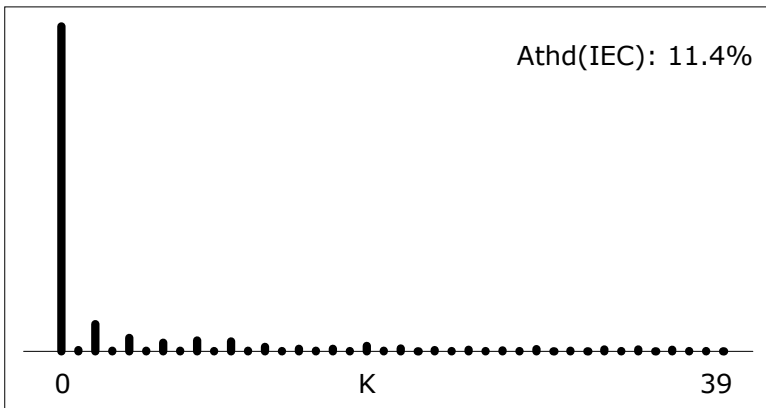
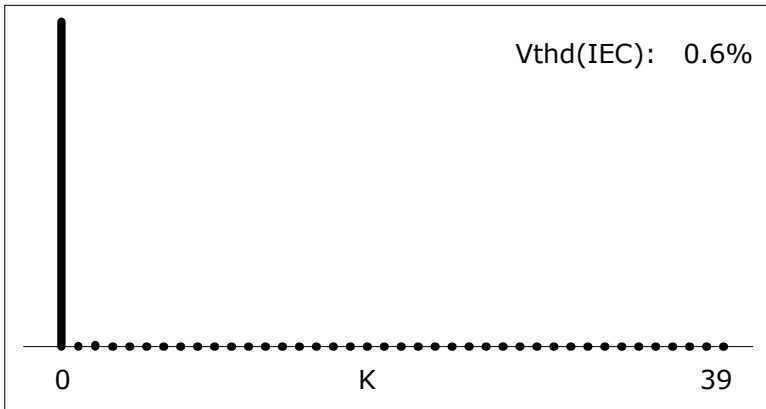


Input Characteristics Test Report [Narrow Band]

Voltage 229.49(V) Current 0.0579(A) Power 13.01(W) Power Factor 0.9787 Frequency 50.00(Hz)



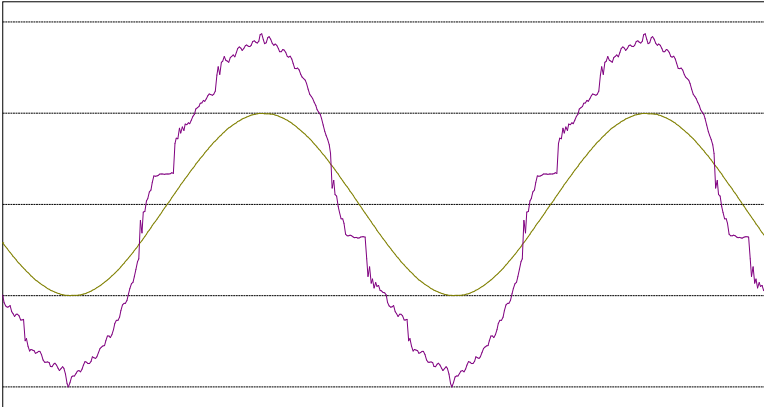
Spectrum(k)	Voltage	Current
0	0.0%	1.6%
1	100.0%	100.0%
2	0.2%	0.5%
3	0.5%	8.5%
4	0.1%	0.2%
5	0.0%	4.1%
6	0.0%	0.2%
7	0.0%	2.7%
8	0.0%	0.3%
9	0.0%	3.4%
10	0.0%	0.2%
11	0.0%	3.1%
12	0.0%	0.2%
13	0.0%	1.4%
14	0.0%	0.2%
15	0.1%	0.9%
16	0.0%	0.3%
17	0.0%	0.8%
18	0.0%	0.2%
19	0.0%	1.7%
20	0.0%	0.2%
21	0.0%	0.9%
22	0.0%	0.1%
23	0.0%	0.4%
24	0.0%	0.2%
25	0.1%	0.6%
26	0.0%	0.1%
27	0.0%	0.4%
28	0.0%	0.1%
29	0.0%	0.7%
30	0.0%	0.1%
31	0.0%	0.3%
32	0.0%	0.1%
33	0.0%	0.7%
34	0.0%	0.1%
35	0.0%	0.6%
36	0.0%	0.1%
37	0.0%	0.6%
38	0.0%	0.1%
39	0.0%	0.2%



Type:LED 0409.WB.A231.6.60010.300mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-18

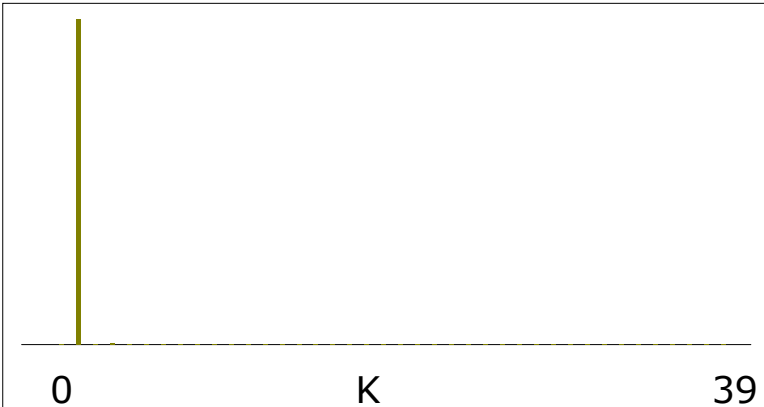
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
229.49(V)	0.0579(A)	13.01(W)	0.9787	50.00(Hz)



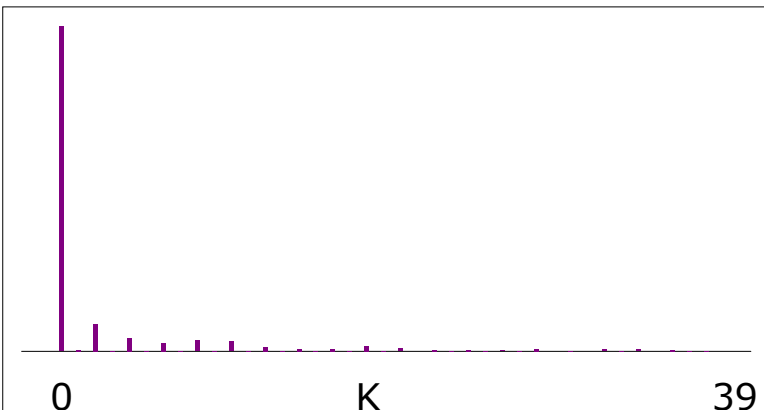
Voltage
Sensitivity: 325.79 V/Div
Peak: 325.79 V

Current
Sensitivity: 0.0443 A
Peak: 0.0887 A
Start Phase: -19.7°
Peak Phase: 88.6°
End Phase: 160.3°



Voltage Spectrum
THD(IEC): 0.56%

H3:	0.50%
H5:	0.04%
H7:	0.03%
H9:	0.02%



Current Spectrum
THD(IEC): 11.4%

H3:	8.47%
H5:	4.14%
H7:	2.73%
H9:	3.38%

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

Voltage: 229.49(V)

VCF: 1.420

Vthd(IEC): 0.56%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.02%	0.05
1	100.00%	229.50
2	0.20%	0.46
3	0.50%	1.14
4	0.08%	0.18
5	0.04%	0.09
6	0.01%	0.03
7	0.03%	0.07
8	0.01%	0.02
9	0.02%	0.04
10	0.01%	0.02
11	0.05%	0.11
12	0.01%	0.02
13	0.02%	0.06
14	0.01%	0.03
15	0.06%	0.14
16	0.01%	0.02
17	0.02%	0.04
18	0.01%	0.01
19	0.04%	0.09
20	0.01%	0.02
21	0.03%	0.06
22	0.01%	0.02
23	0.04%	0.09
24	0.01%	0.03
25	0.07%	0.15
26	0.00%	0.01
27	0.02%	0.04
28	0.01%	0.02
29	0.02%	0.04
30	0.00%	0.00
31	0.02%	0.05
32	0.01%	0.01
33	0.00%	0.01
34	0.00%	0.00
35	0.02%	0.05
36	0.00%	0.01
37	0.01%	0.01
38	0.00%	0.00
39	0.01%	0.02

Current: 0.0579(A)

ACF: 1.531

Athd(IEC): 11.41%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	1.60%	0.07
1	100.00%	4.43
2	0.48%	0.02
3	8.47%	0.37
4	0.20%	0.01
5	4.14%	0.18
6	0.22%	0.01
7	2.73%	0.12
8	0.25%	0.01
9	3.38%	0.15
10	0.16%	0.01
11	3.06%	0.14
12	0.20%	0.01
13	1.42%	0.06
14	0.17%	0.01
15	0.87%	0.04
16	0.29%	0.01
17	0.81%	0.04
18	0.17%	0.01
19	1.74%	0.08
20	0.22%	0.01
21	0.94%	0.04
22	0.07%	0.00
23	0.45%	0.02
24	0.19%	0.01
25	0.57%	0.03
26	0.10%	0.00
27	0.39%	0.02
28	0.11%	0.01
29	0.75%	0.03
30	0.08%	0.00
31	0.27%	0.01
32	0.07%	0.00
33	0.66%	0.03
34	0.13%	0.01
35	0.60%	0.03
36	0.07%	0.00
37	0.58%	0.03
38	0.11%	0.00
39	0.19%	0.01

Type:LED 0409.WB.A231.6.60010.300mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-10-18

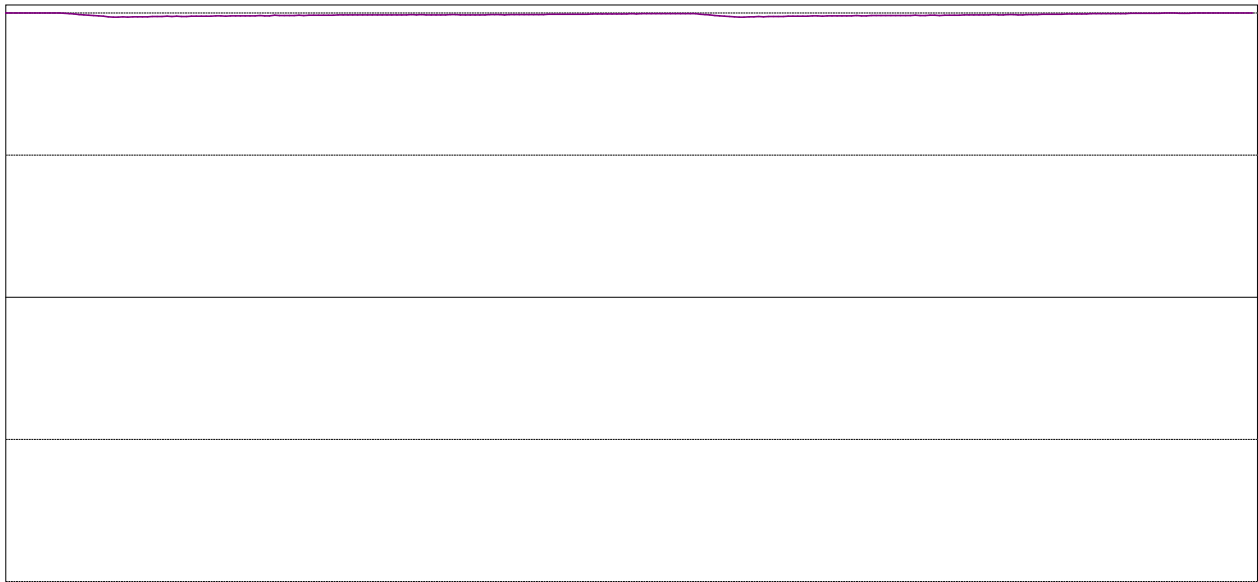
Output

Lamp Voltage(rms):36.57V Lamp Current(rms):0.3018A
Power:11.03W Ripple Current:0.000A Energy Efficiency:0.848

Lamp Voltage Wave



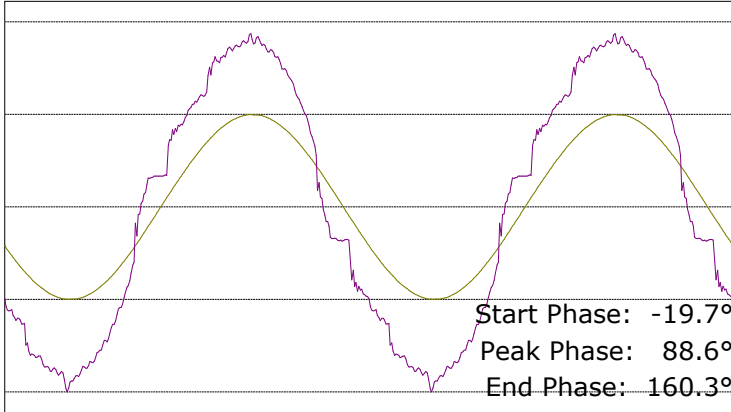
Lamp Current Wave



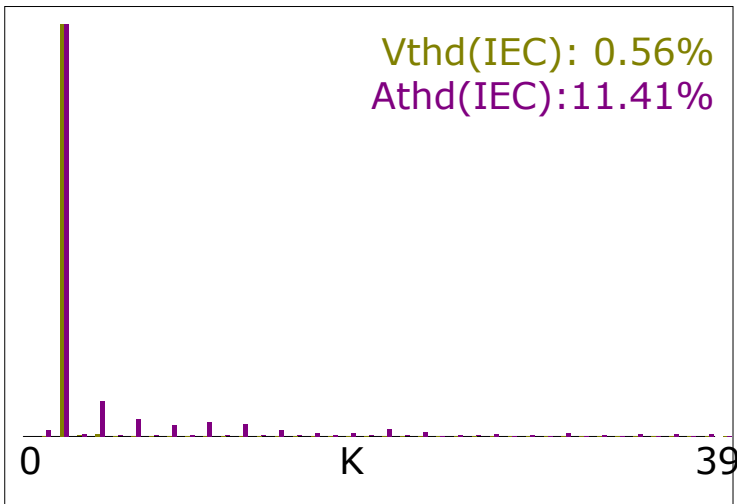
Type:LED 0409.WB.A231.6.60010.300mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-10-18

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



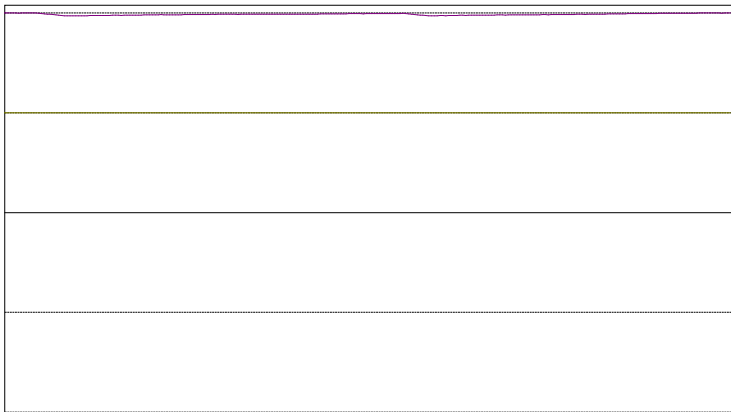
Voltage: 229.490(V)
 VCF: 1.420
 Vthd(IEC): 0.56%
 Current: 0.058(A)
 ACF: 1.531
 Athd(IEC): 11.41%
 Power: 13.0(W)
 Power Factor: 0.9787
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.50%
 H5: 0.04%
 H7: 0.03%
 H9: 0.02%

Current Spectrum
 H3: 8.47%
 H5: 4.14%
 H7: 2.73%
 H9: 3.38%

Output characteristics



Lamp Voltage(rms):36.57V
 Lamp Current(rms):0.3018A
 Power:11.03W
 Ripple Current:0.000A
 Energy Efficiency:0.848