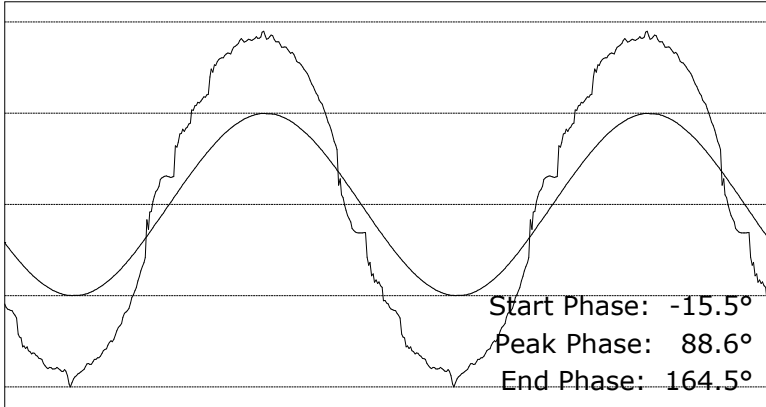
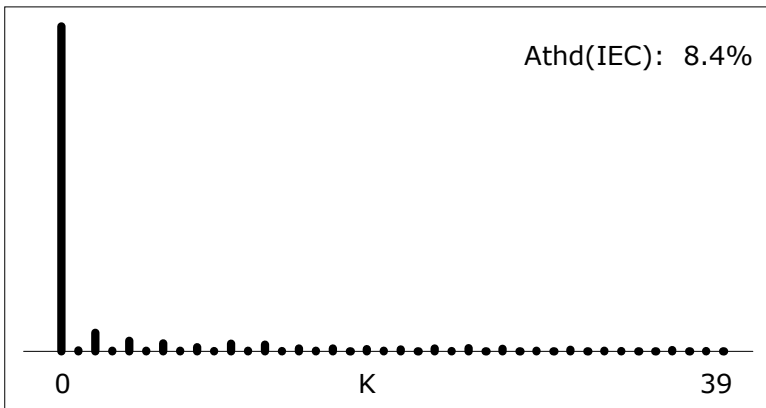
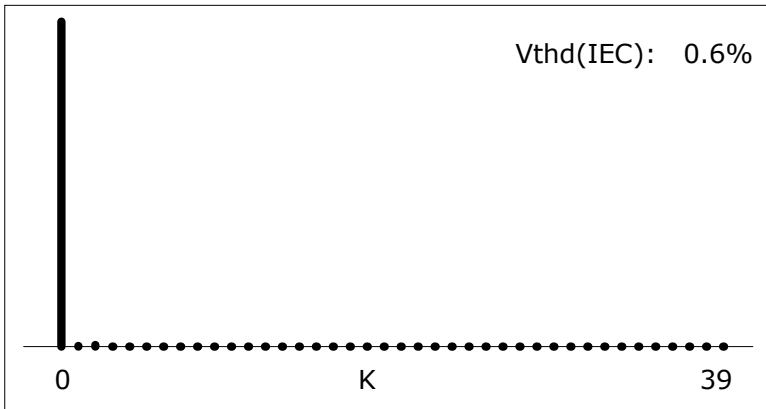


Input Characteristics Test Report [Narrow Band]

Voltage 229.98(V) Current 0.0666(A) Power 15.09(W) Power Factor 0.9854 Frequency 50.00(Hz)



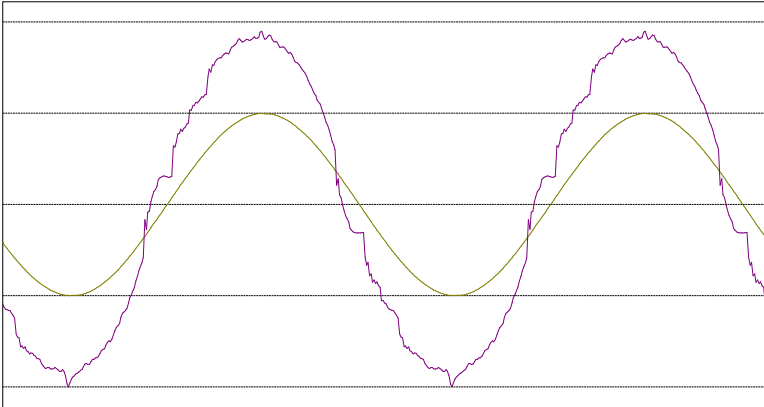
Spectrum(k)	Voltage	Current
0	0.0%	0.3%
1	100.0%	100.0%
2	0.2%	0.4%
3	0.6%	5.8%
4	0.1%	0.3%
5	0.0%	3.3%
6	0.0%	0.2%
7	0.0%	2.6%
8	0.0%	0.2%
9	0.0%	1.4%
10	0.0%	0.2%
11	0.0%	2.4%
12	0.0%	0.2%
13	0.0%	2.1%
14	0.0%	0.2%
15	0.1%	0.9%
16	0.0%	0.2%
17	0.0%	1.0%
18	0.0%	0.1%
19	0.0%	0.7%
20	0.0%	0.2%
21	0.0%	0.6%
22	0.0%	0.1%
23	0.0%	0.9%
24	0.0%	0.1%
25	0.1%	1.0%
26	0.0%	0.1%
27	0.0%	0.8%
28	0.0%	0.1%
29	0.0%	0.2%
30	0.0%	0.1%
31	0.0%	0.5%
32	0.0%	0.0%
33	0.0%	0.3%
34	0.0%	0.1%
35	0.0%	0.1%
36	0.0%	0.0%
37	0.0%	0.5%
38	0.0%	0.1%
39	0.0%	0.2%



Type:LED 0119.G.A331.6.60004.350mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-12-07

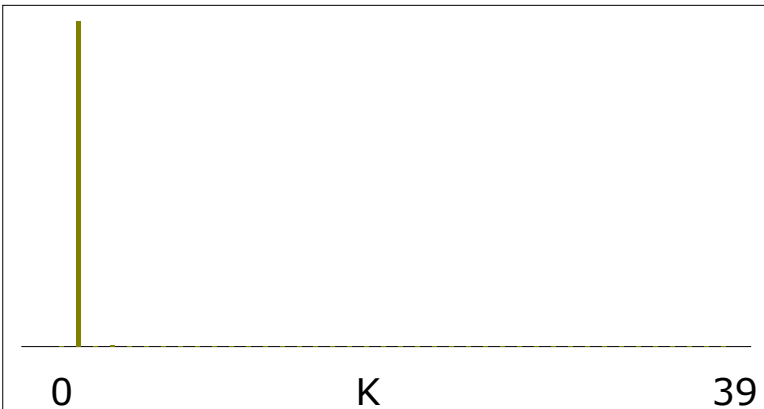
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
229.98(V)	0.0666(A)	15.09(W)	0.9854	50.00(Hz)

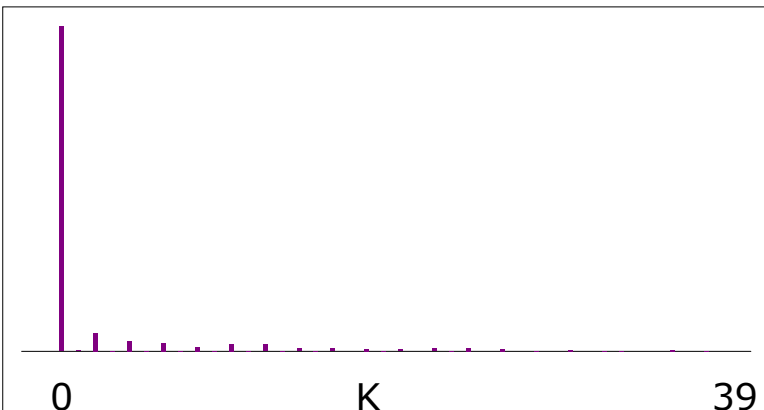


Voltage
Sensitivity: 326.67 V/Div
Peak: 326.67 V

Current
Sensitivity: 0.0487 A
Peak: 0.0975 A
Start Phase: -15.5°
Peak Phase: 88.6°
End Phase: 164.5°



Voltage Spectrum
THD(IEC): 0.62%
H3: 0.55%
H5: 0.02%
H7: 0.05%
H9: 0.01%



Current Spectrum
THD(IEC): 8.4%
H3: 5.80%
H5: 3.29%
H7: 2.55%
H9: 1.36%

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

Voltage: 229.98(V)

VCF: 1.420

Vthd(IEC): 0.62%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.06
1	100.00%	229.99
2	0.22%	0.50
3	0.55%	1.27
4	0.09%	0.21
5	0.02%	0.05
6	0.01%	0.02
7	0.05%	0.11
8	0.01%	0.02
9	0.01%	0.03
10	0.01%	0.03
11	0.05%	0.10
12	0.01%	0.02
13	0.04%	0.08
14	0.01%	0.02
15	0.06%	0.14
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	0.04%	0.10
22	0.00%	0.01
23	0.05%	0.11
24	0.01%	0.02
25	0.05%	0.12
26	0.00%	0.01
27	0.03%	0.08
28	0.01%	0.03
29	0.03%	0.06
30	0.00%	0.01
31	0.01%	0.03
32	0.01%	0.01
33	0.01%	0.02
34	0.00%	0.00
35	0.02%	0.04
36	0.00%	0.00
37	0.01%	0.02
38	0.00%	0.01
39	0.01%	0.02

Current: 0.0666(A)

ACF: 1.464

Athd(IEC): 8.43%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.27%	0.01
1	100.00%	4.40
2	0.37%	0.02
3	5.80%	0.25
4	0.25%	0.01
5	3.29%	0.14
6	0.22%	0.01
7	2.55%	0.11
8	0.23%	0.01
9	1.36%	0.06
10	0.17%	0.01
11	2.44%	0.11
12	0.21%	0.01
13	2.12%	0.09
14	0.19%	0.01
15	0.93%	0.04
16	0.20%	0.01
17	0.95%	0.04
18	0.08%	0.00
19	0.73%	0.03
20	0.20%	0.01
21	0.63%	0.03
22	0.07%	0.00
23	0.93%	0.04
24	0.14%	0.01
25	1.04%	0.05
26	0.08%	0.00
27	0.79%	0.03
28	0.09%	0.00
29	0.24%	0.01
30	0.07%	0.00
31	0.49%	0.02
32	0.02%	0.00
33	0.26%	0.01
34	0.10%	0.00
35	0.09%	0.00
36	0.02%	0.00
37	0.49%	0.02
38	0.05%	0.00
39	0.17%	0.01

Type:LED 0119.G.A331.6.60004.350mA

Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-12-07

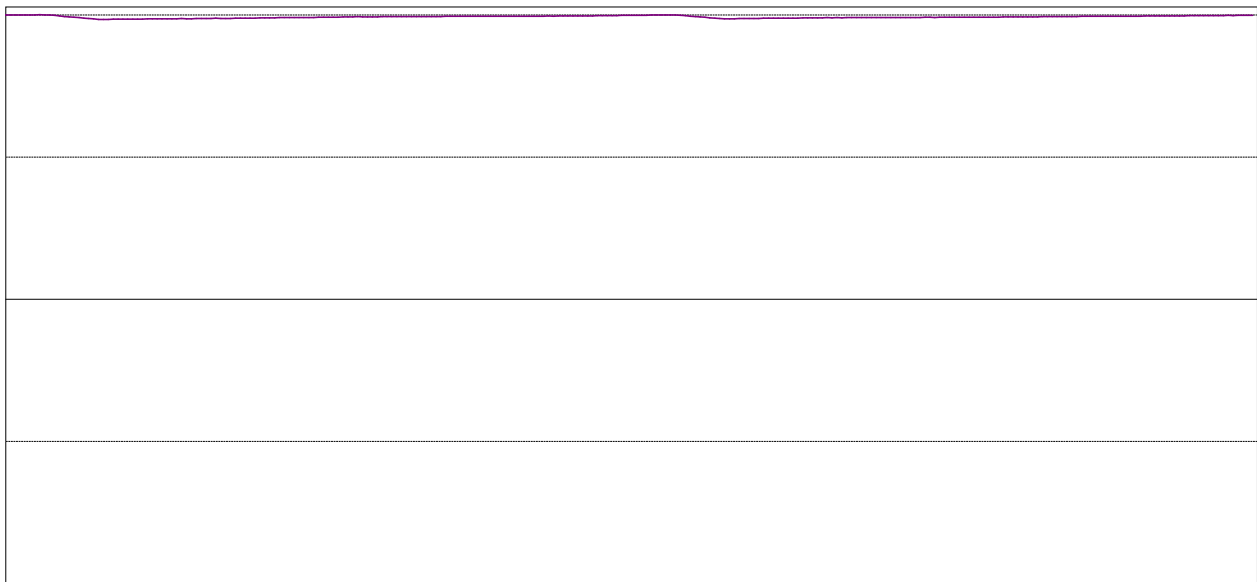
Output

Lamp Voltage(rms):36.44V Lamp Current(rms):0.3521A
Power:12.83W Ripple Current:0.000A Energy Efficiency:0.850

Lamp Voltage Wave



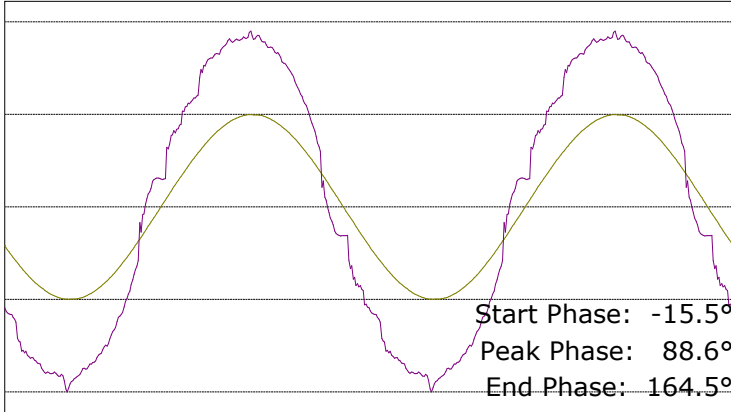
Lamp Current Wave



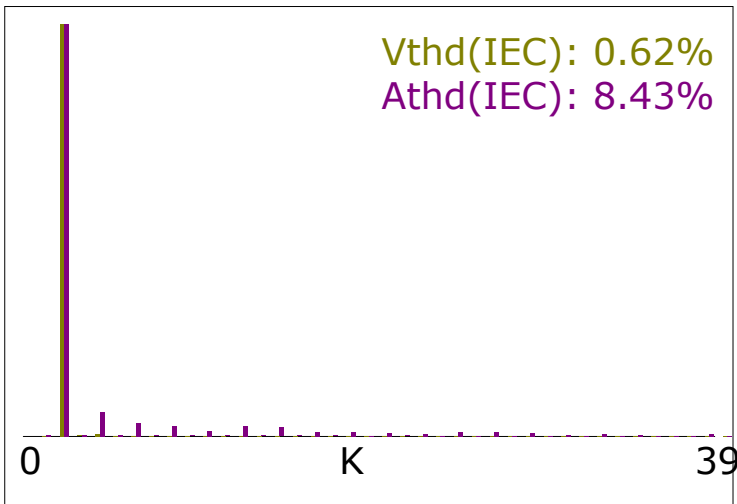
Type:LED 0119.G.A331.6.60004.350mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-12-07

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



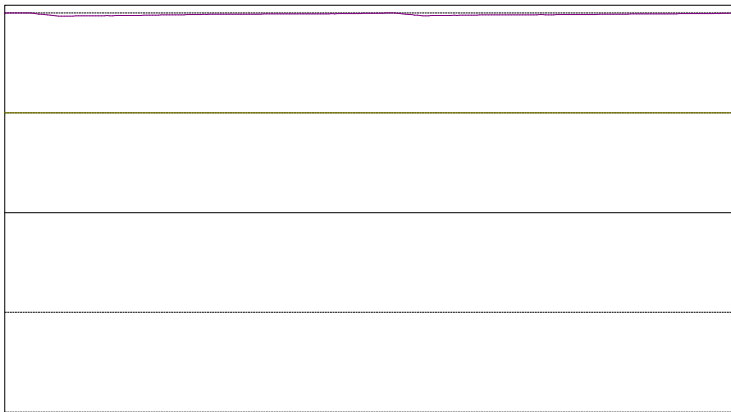
Voltage: 229.985(V)
 VCF: 1.420
 Vthd(IEC): 0.62%
 Current: 0.067(A)
 ACF: 1.464
 Athd(IEC): 8.43%
 Power: 15.1(W)
 Power Factor: 0.9854
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.55%
 H5: 0.02%
 H7: 0.05%
 H9: 0.01%

Current Spectrum
 H3: 5.80%
 H5: 3.29%
 H7: 2.55%
 H9: 1.36%

Output characteristics



Lamp Voltage(rms):36.44V
 Lamp Current(rms):0.3521A
 Power:12.83W
 Ripple Current:0.000A
 Energy Efficiency:0.850