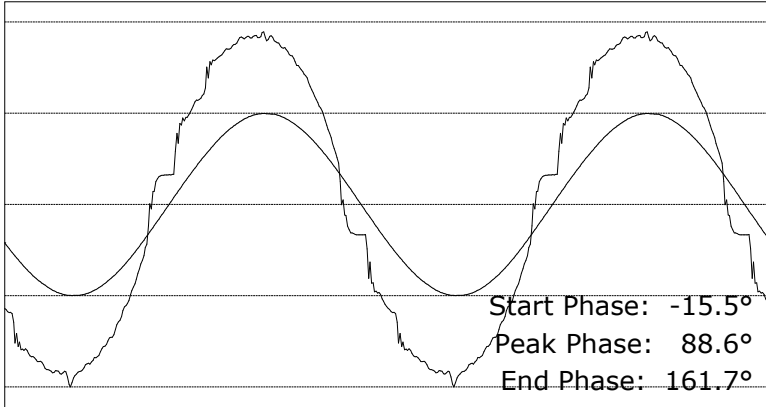
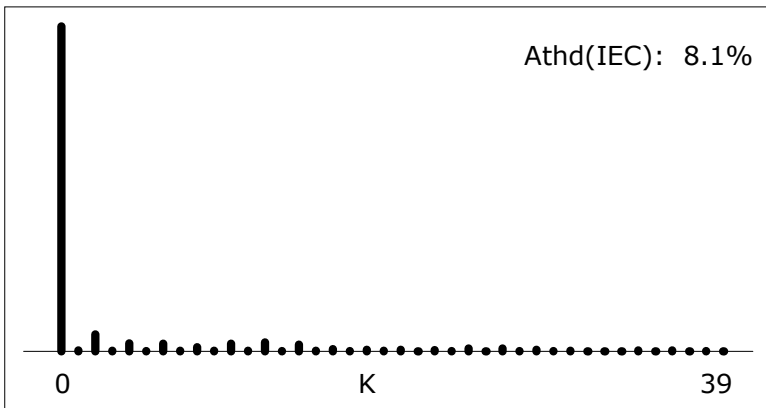
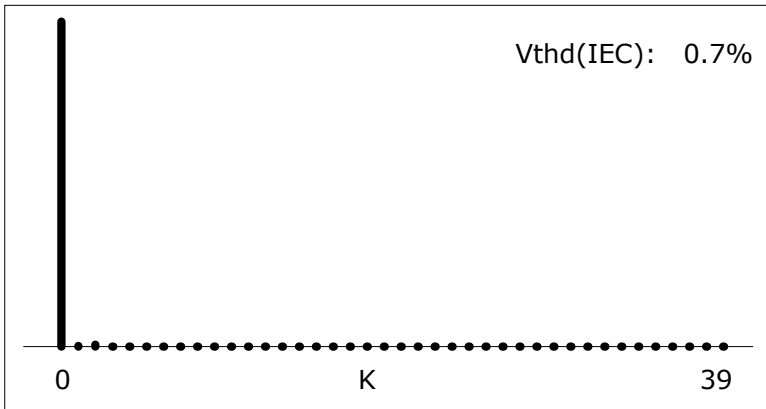


Input Characteristics Test Report [Narrow Band]

Voltage 232.52(V) Current 0.0633(A) Power 14.42(W) Power Factor 0.9795 Frequency 50.00(Hz)



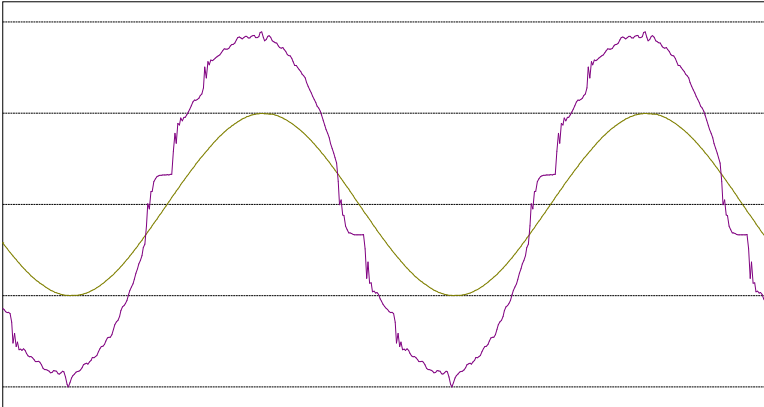
Spectrum(k)	Voltage	Current
0	0.0%	0.2%
1	100.0%	100.0%
2	0.2%	0.3%
3	0.6%	5.2%
4	0.1%	0.3%
5	0.0%	2.5%
6	0.0%	0.2%
7	0.0%	2.4%
8	0.0%	0.2%
9	0.0%	1.3%
10	0.0%	0.2%
11	0.1%	2.4%
12	0.0%	0.2%
13	0.1%	2.9%
14	0.0%	0.1%
15	0.1%	2.1%
16	0.0%	0.3%
17	0.0%	0.8%
18	0.0%	0.1%
19	0.0%	0.5%
20	0.0%	0.2%
21	0.0%	0.5%
22	0.0%	0.1%
23	0.0%	0.4%
24	0.0%	0.2%
25	0.1%	1.0%
26	0.0%	0.1%
27	0.0%	1.0%
28	0.0%	0.1%
29	0.0%	0.5%
30	0.0%	0.1%
31	0.0%	0.2%
32	0.0%	0.0%
33	0.0%	0.0%
34	0.0%	0.1%
35	0.0%	0.3%
36	0.0%	0.0%
37	0.0%	0.4%
38	0.0%	0.1%
39	0.0%	0.2%



Type:LED 0119.G.A311.6.60072.350mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-11-14

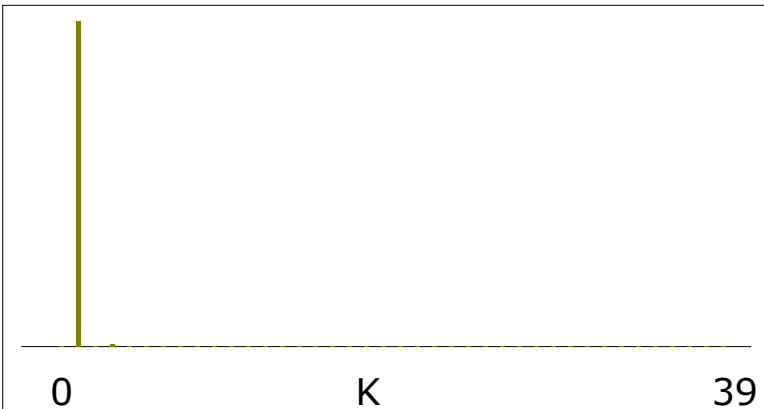
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
232.52(V)	0.0633(A)	14.42(W)	0.9795	50.00(Hz)



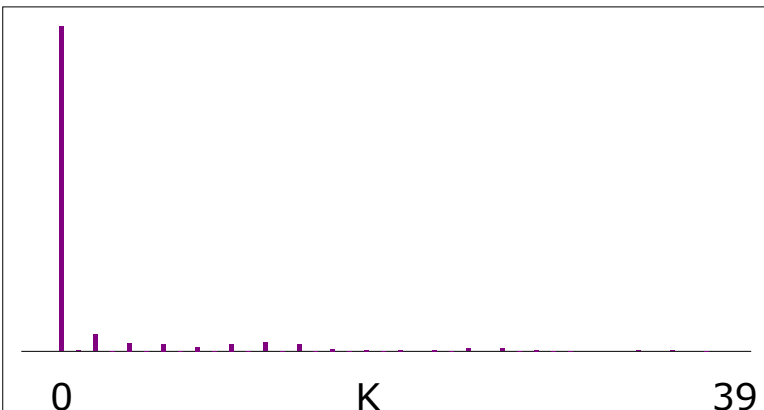
Voltage
Sensitivity: 330.59 V/Div
Peak: 330.59 V

Current
Sensitivity: 0.0460 A
Peak: 0.0921 A
Start Phase: -15.5°
Peak Phase: 88.6°
End Phase: 161.7°



Voltage Spectrum
THD(IEC): 0.68%

H3:	0.62%
H5:	0.02%
H7:	0.04%
H9:	0.01%



Current Spectrum
THD(IEC): 8.1%

H3:	5.22%
H5:	2.53%
H7:	2.40%
H9:	1.30%

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

Voltage: 232.52(V)

VCF: 1.422

Vthd(IEC): 0.68%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.02%	0.06
1	100.00%	232.53
2	0.22%	0.52
3	0.62%	1.43
4	0.09%	0.21
5	0.02%	0.05
6	0.01%	0.02
7	0.04%	0.09
8	0.01%	0.02
9	0.01%	0.02
10	0.01%	0.02
11	0.06%	0.14
12	0.01%	0.02
13	0.05%	0.12
14	0.01%	0.02
15	0.06%	0.13
16	0.01%	0.02
17	0.02%	0.05
18	0.01%	0.02
19	0.00%	0.00
20	0.01%	0.02
21	0.03%	0.08
22	0.01%	0.02
23	0.03%	0.07
24	0.01%	0.03
25	0.06%	0.13
26	0.00%	0.01
27	0.04%	0.09
28	0.01%	0.02
29	0.01%	0.02
30	0.00%	0.00
31	0.01%	0.03
32	0.01%	0.01
33	0.01%	0.03
34	0.00%	0.00
35	0.01%	0.02
36	0.00%	0.00
37	0.00%	0.01
38	0.00%	0.00
39	0.02%	0.04

Current: 0.0633(A)

ACF: 1.454

Athd(IEC): 8.09%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.17%	0.01
1	100.00%	4.38
2	0.32%	0.01
3	5.22%	0.23
4	0.27%	0.01
5	2.53%	0.11
6	0.19%	0.01
7	2.40%	0.10
8	0.23%	0.01
9	1.30%	0.06
10	0.20%	0.01
11	2.39%	0.10
12	0.24%	0.01
13	2.85%	0.13
14	0.13%	0.01
15	2.10%	0.09
16	0.26%	0.01
17	0.75%	0.03
18	0.10%	0.00
19	0.53%	0.02
20	0.22%	0.01
21	0.51%	0.02
22	0.09%	0.00
23	0.43%	0.02
24	0.16%	0.01
25	0.97%	0.04
26	0.08%	0.00
27	0.97%	0.04
28	0.12%	0.01
29	0.51%	0.02
30	0.10%	0.00
31	0.25%	0.01
32	0.03%	0.00
33	0.04%	0.00
34	0.08%	0.00
35	0.30%	0.01
36	0.04%	0.00
37	0.37%	0.02
38	0.09%	0.00
39	0.19%	0.01

Type:LED 0119.G.A311.6.60072.350mA

Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-11-14

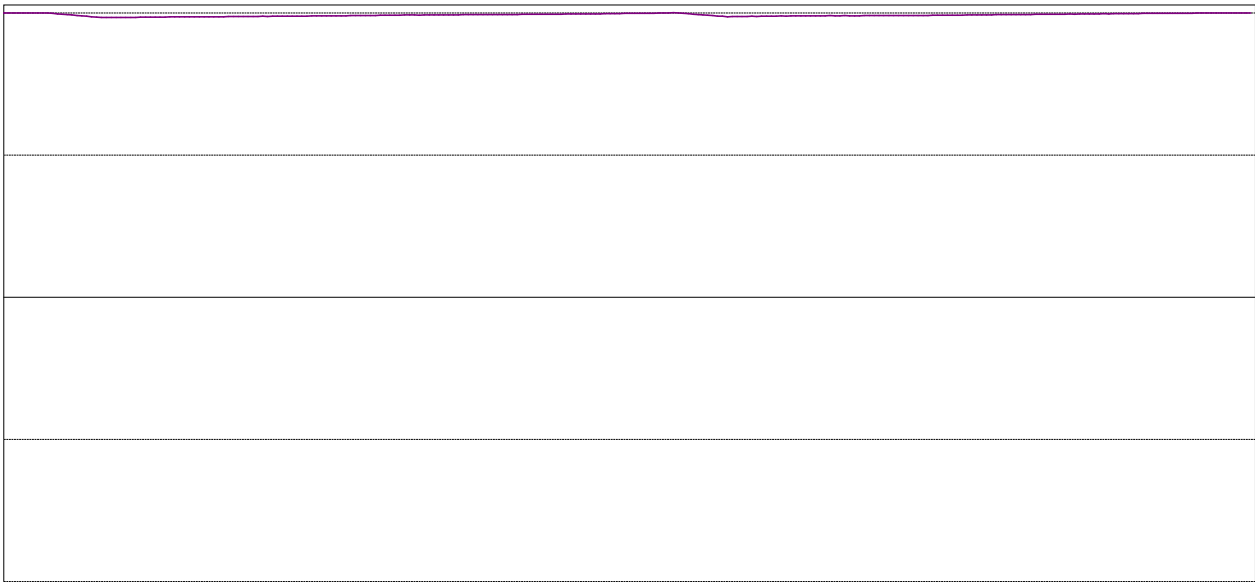
Output

Lamp Voltage(rms):35.08V Lamp Current(rms):0.3475A
Power:12.19W Ripple Current:0.000A Energy Efficiency:0.846

Lamp Voltage Wave



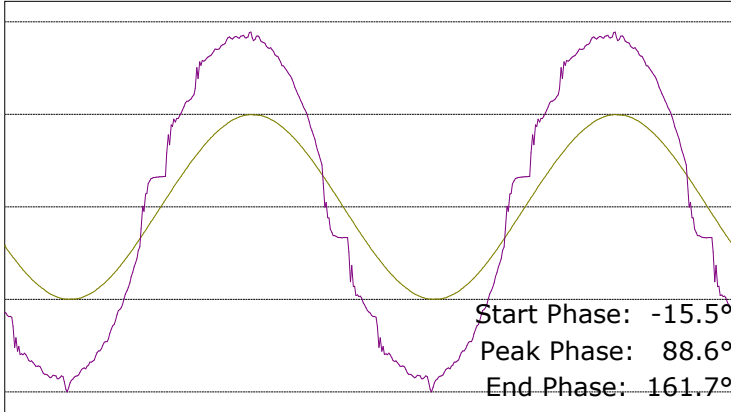
Lamp Current Wave



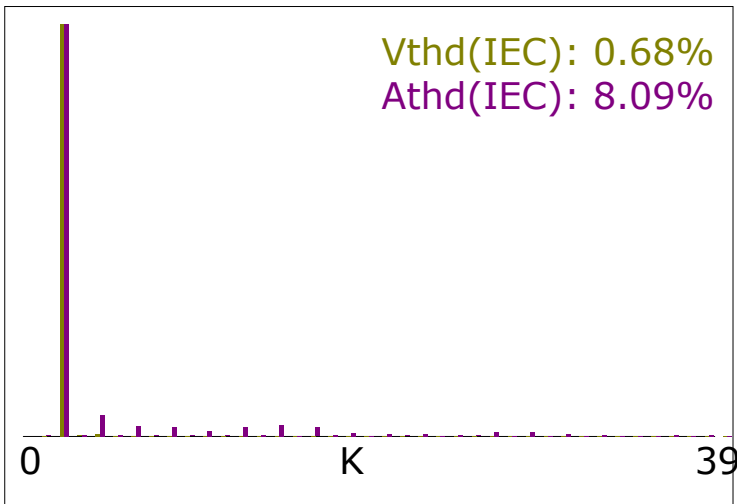
Type:LED 0119.G.A311.6.60072.350mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-11-14

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



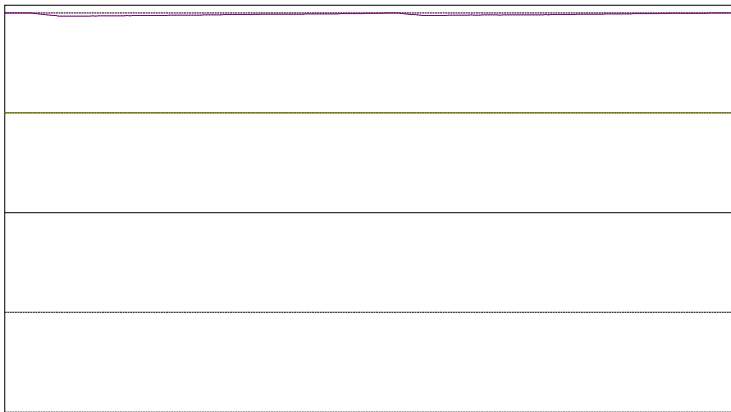
Voltage: 232.523(V)
 VCF: 1.422
 Vthd(IEC): 0.68%
 Current: 0.063(A)
 ACF: 1.454
 Athd(IEC): 8.09%
 Power: 14.4(W)
 Power Factor: 0.9795
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.62%
 H5: 0.02%
 H7: 0.04%
 H9: 0.01%

Current Spectrum
 H3: 5.22%
 H5: 2.53%
 H7: 2.40%
 H9: 1.30%

Output characteristics



Lamp Voltage(rms):35.08V
 Lamp Current(rms):0.3475A
 Power:12.19W
 Ripple Current:0.000A
 Energy Efficiency:0.846