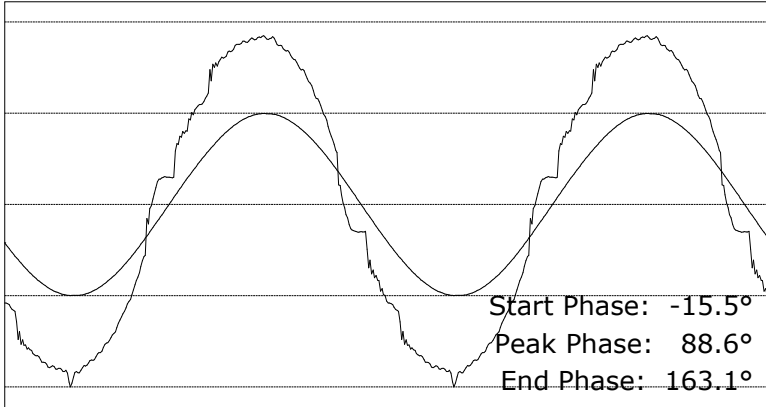
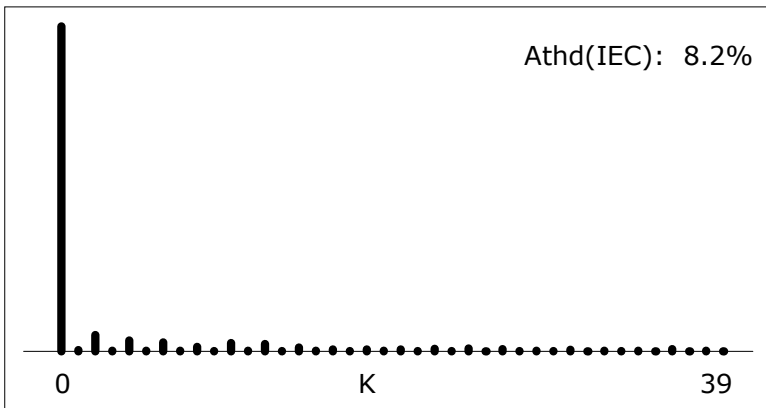
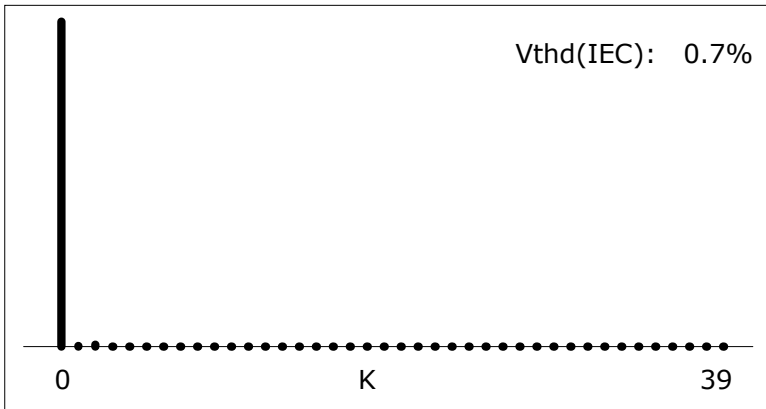


Input Characteristics Test Report [Narrow Band]

Voltage 230.09(V) Current 0.0662(A) Power 15.00(W) Power Factor 0.9846 Frequency 50.00(Hz)



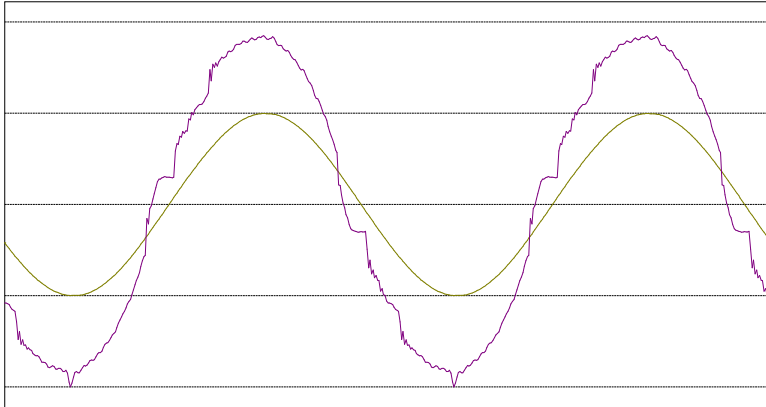
Spectrum(k)	Voltage	Current
0	0.0%	0.1%
1	100.0%	100.0%
2	0.2%	0.4%
3	0.6%	5.0%
4	0.1%	0.2%
5	0.0%	3.4%
6	0.0%	0.2%
7	0.1%	2.8%
8	0.0%	0.2%
9	0.0%	1.5%
10	0.0%	0.1%
11	0.0%	2.6%
12	0.0%	0.3%
13	0.0%	2.3%
14	0.0%	0.2%
15	0.1%	1.2%
16	0.0%	0.2%
17	0.0%	0.7%
18	0.0%	0.1%
19	0.0%	0.7%
20	0.0%	0.3%
21	0.0%	0.6%
22	0.0%	0.1%
23	0.0%	0.8%
24	0.0%	0.2%
25	0.1%	0.9%
26	0.0%	0.1%
27	0.0%	0.7%
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%	0.2%
36	0.0%	0.1%
37	0.0%	0.7%
38	0.0%	0.1%
39	0.0%	0.2%



Type:LED 0119.W.A331.6.60002.350mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-12-06

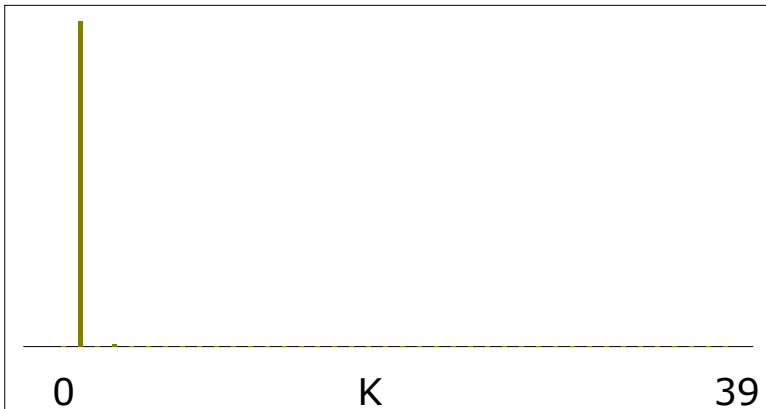
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
230.09(V)	0.0662(A)	15.00(W)	0.9846	50.00(Hz)

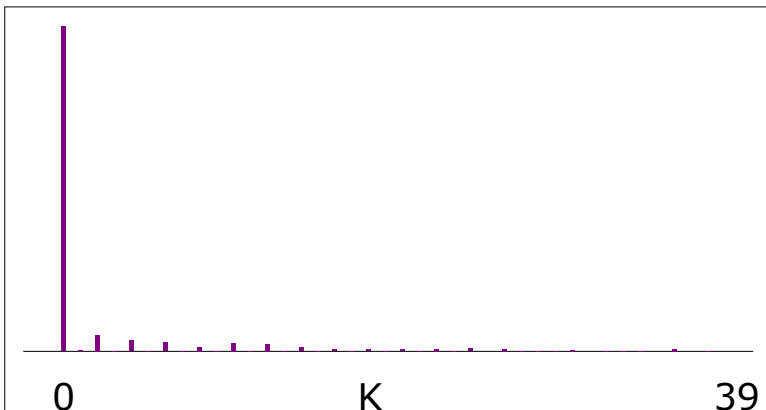


Voltage
Sensitivity: 326.92 V/Div
Peak: 326.92 V

Current
Sensitivity: 0.0492 A
Peak: 0.0983 A
Start Phase: -15.5°
Peak Phase: 88.6°
End Phase: 163.1°



Voltage Spectrum
THD(IEC): 0.68%
H3: 0.60%
H5: 0.04%
H7: 0.07%
H9: 0.02%



Current Spectrum
THD(IEC): 8.2%
H3: 5.05%
H5: 3.42%
H7: 2.77%
H9: 1.47%

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

Voltage: 230.09(V)

VCF: 1.421

Vthd(IEC): 0.68%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.07
1	100.00%	230.07
2	0.24%	0.55
3	0.60%	1.39
4	0.09%	0.22
5	0.04%	0.10
6	0.01%	0.02
7	0.07%	0.17
8	0.01%	0.02
9	0.02%	0.05
10	0.01%	0.03
11	0.05%	0.11
12	0.01%	0.02
13	0.03%	0.07
14	0.01%	0.02
15	0.05%	0.13
16	0.01%	0.02
17	0.02%	0.04
18	0.01%	0.01
19	0.01%	0.03
20	0.01%	0.02
21	0.04%	0.10
22	0.00%	0.01
23	0.04%	0.09
24	0.01%	0.03
25	0.06%	0.13
26	0.00%	0.01
27	0.03%	0.07
28	0.01%	0.03
29	0.02%	0.06
30	0.00%	0.01
31	0.01%	0.03
32	0.00%	0.01
33	0.01%	0.02
34	0.00%	0.01
35	0.02%	0.05
36	0.00%	0.00
37	0.01%	0.03
38	0.00%	0.01
39	0.01%	0.03

Current: 0.0662(A)

ACF: 1.484

Athd(IEC): 8.19%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.05%	0.00
1	100.00%	4.40
2	0.43%	0.02
3	5.05%	0.22
4	0.23%	0.01
5	3.42%	0.15
6	0.22%	0.01
7	2.77%	0.12
8	0.24%	0.01
9	1.47%	0.06
10	0.15%	0.01
11	2.62%	0.12
12	0.26%	0.01
13	2.30%	0.10
14	0.19%	0.01
15	1.22%	0.05
16	0.24%	0.01
17	0.66%	0.03
18	0.11%	0.00
19	0.67%	0.03
20	0.25%	0.01
21	0.60%	0.03
22	0.12%	0.01
23	0.79%	0.03
24	0.17%	0.01
25	0.94%	0.04
26	0.07%	0.00
27	0.71%	0.03
28	0.14%	0.01
29	0.20%	0.01
30	0.11%	0.00
31	0.51%	0.02
32	0.03%	0.00
33	0.27%	0.01
34	0.11%	0.00
35	0.23%	0.01
36	0.05%	0.00
37	0.71%	0.03
38	0.08%	0.00
39	0.23%	0.01

Type:LED 0119.W.A331.6.60002.350mA

Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-12-06

Output

Lamp Voltage(rms):36.56V

Lamp Current(rms):0.3477A

Power:12.71W

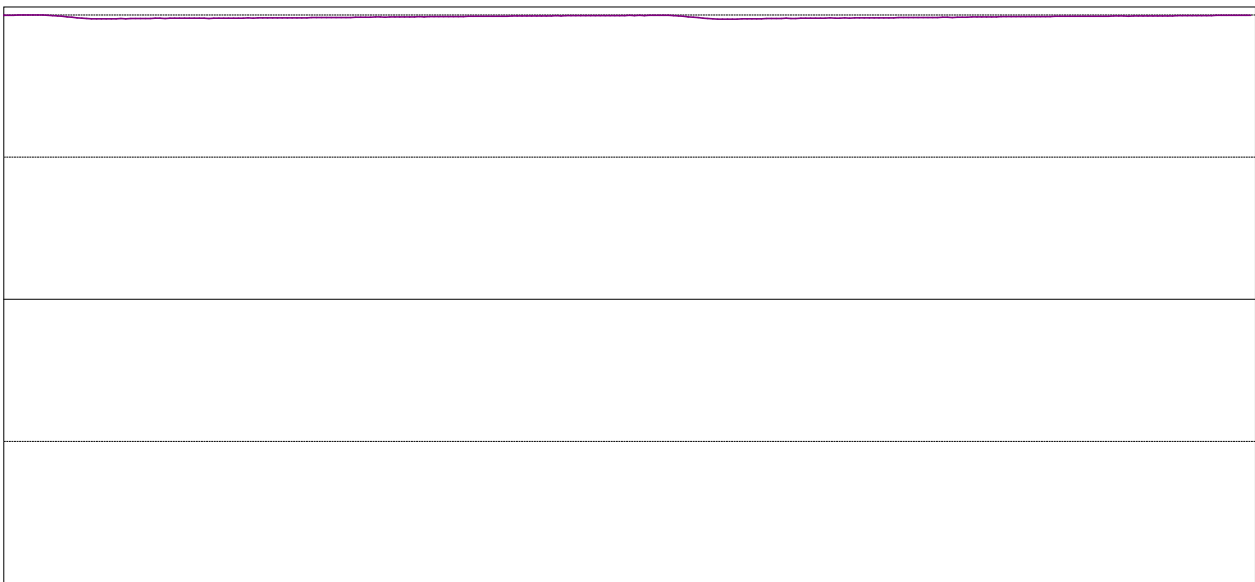
Ripple Current:0.000A

Energy Efficiency:0.847

Lamp Voltage Wave



Lamp Current Wave



Type:LED 0119.W.A331.6.60002.350mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

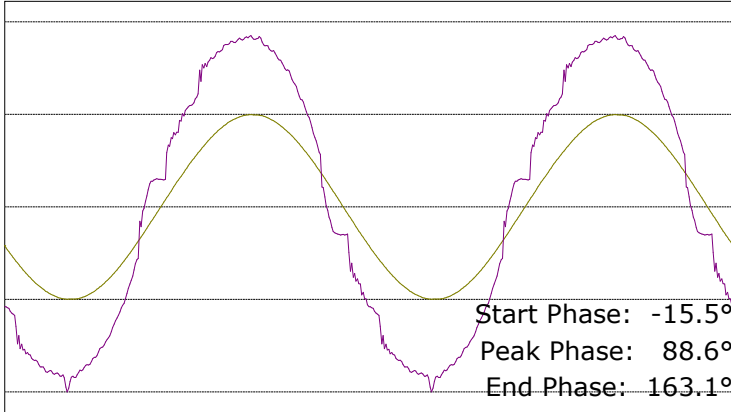
Operator:

Inspector:

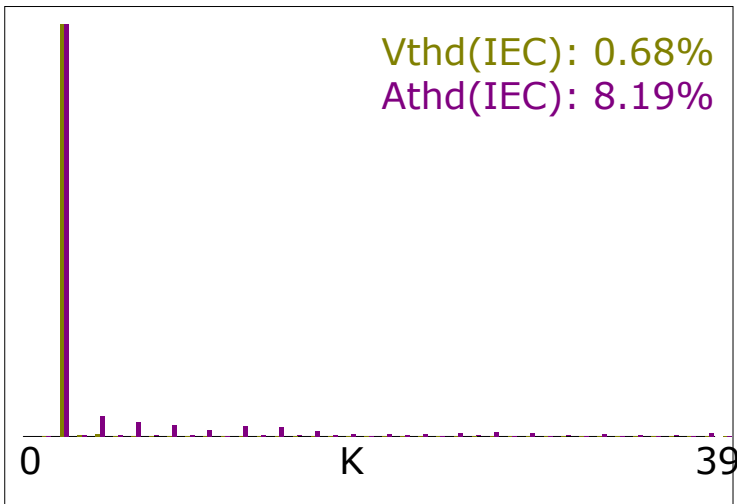
Test Time:2016-12-06

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



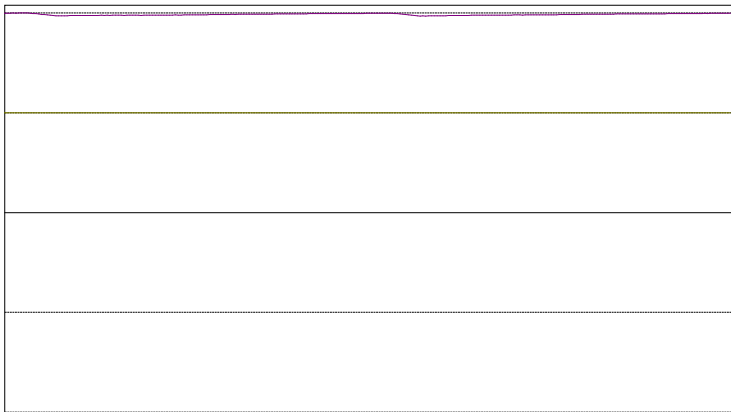
Voltage: 230.089(V)
VCF: 1.421
Vthd(IEC): 0.68%
Current: 0.066(A)
ACF: 1.484
Athd(IEC): 8.19%
Power: 15.0(W)
Power Factor: 0.9846
Frequency: 50.00(Hz)



Voltage Spectrum
H3: 0.60%
H5: 0.04%
H7: 0.07%
H9: 0.02%

Current Spectrum
H3: 5.05%
H5: 3.42%
H7: 2.77%
H9: 1.47%

Output characteristics



Lamp Voltage(rms):36.56V
Lamp Current(rms):0.3477A
Power:12.71W
Ripple Current:0.000A
Energy Efficiency:0.847