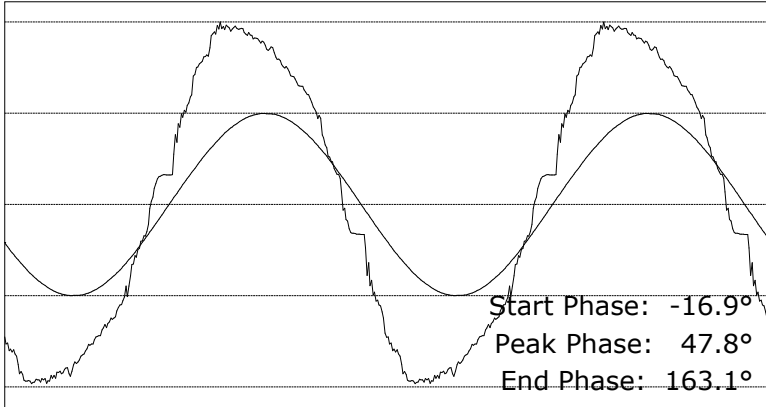
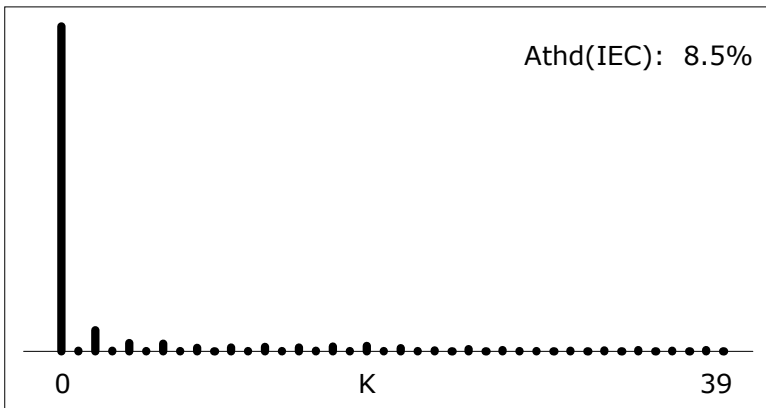
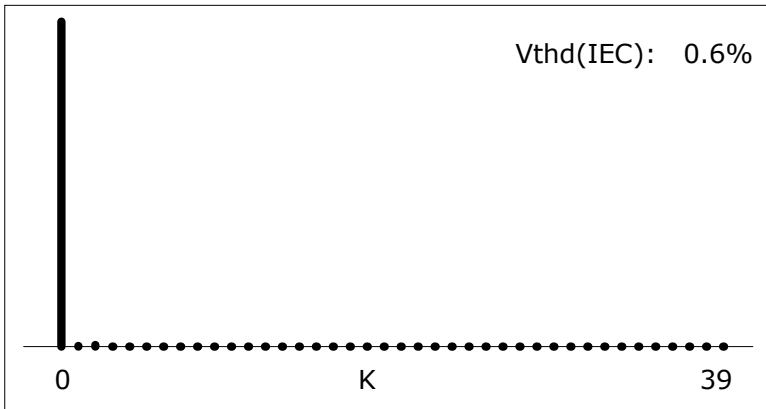


Input Characteristics Test Report [Narrow Band]

Voltage 229.55(V) Current 0.0986(A) Power 21.63(W) Power Factor 0.9557 Frequency 50.00(Hz)



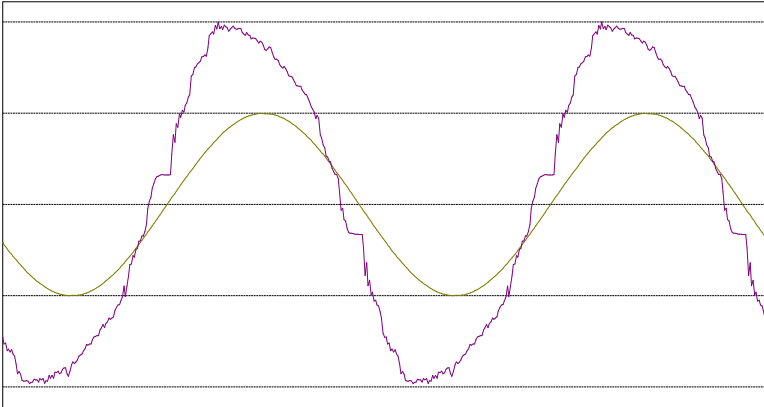
Spectrum(k)	Voltage	Current
0	0.0%	0.1%
1	100.0%	100.0%
2	0.2%	0.3%
3	0.5%	6.6%
4	0.1%	0.2%
5	0.0%	2.7%
6	0.0%	0.2%
7	0.0%	2.4%
8	0.0%	0.1%
9	0.0%	1.1%
10	0.0%	0.1%
11	0.1%	1.2%
12	0.0%	0.2%
13	0.0%	1.5%
14	0.0%	0.1%
15	0.1%	1.2%
16	0.0%	0.2%
17	0.0%	1.5%
18	0.0%	0.1%
19	0.0%	1.7%
20	0.0%	0.2%
21	0.1%	1.0%
22	0.0%	0.1%
23	0.0%	0.4%
24	0.0%	0.1%
25	0.0%	0.7%
26	0.0%	0.0%
27	0.0%	0.4%
28	0.0%	0.1%
29	0.0%	0.1%
30	0.0%	0.0%
31	0.0%	0.3%
32	0.0%	0.1%
33	0.0%	0.4%
34	0.0%	0.0%
35	0.0%	0.4%
36	0.0%	0.1%
37	0.0%	0.2%
38	0.0%	0.0%
39	0.0%	0.4%



Type:LED 0108.W.H341.6.60021.500mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-19

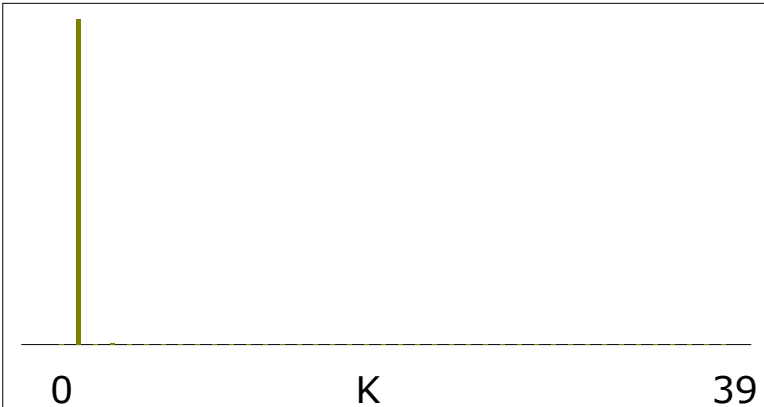
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
229.55(V)	0.0986(A)	21.63(W)	0.9557	50.00(Hz)

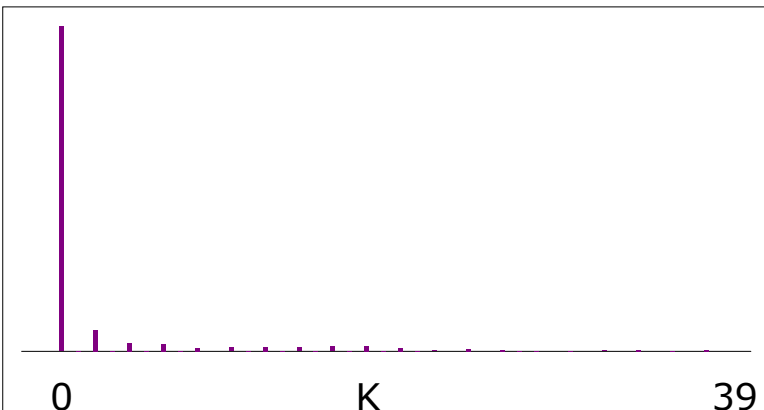


Voltage
Sensitivity: 325.83 V/Div
Peak: 325.83 V

Current
Sensitivity: 0.0704 A
Peak: 0.1409 A
Start Phase: -16.9°
Peak Phase: 47.8°
End Phase: 163.1°



Voltage Spectrum
THD(IEC): 0.59%
H3: 0.53%
H5: 0.04%
H7: 0.04%
H9: 0.01%



Current Spectrum
THD(IEC): 8.5%
H3: 6.55%
H5: 2.66%
H7: 2.39%
H9: 1.15%

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

Voltage: 229.55(V)

VCF: 1.419

Vthd(IEC): 0.59%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.02%	0.06
1	100.00%	229.55
2	0.20%	0.45
3	0.53%	1.21
4	0.09%	0.20
5	0.04%	0.09
6	0.02%	0.04
7	0.04%	0.09
8	0.00%	0.00
9	0.01%	0.03
10	0.00%	0.01
11	0.06%	0.14
12	0.01%	0.01
13	0.04%	0.09
14	0.01%	0.03
15	0.06%	0.14
16	0.01%	0.03
17	0.02%	0.04
18	0.00%	0.01
19	0.05%	0.11
20	0.01%	0.01
21	0.07%	0.17
22	0.01%	0.03
23	0.05%	0.11
24	0.01%	0.02
25	0.04%	0.10
26	0.01%	0.02
27	0.03%	0.06
28	0.01%	0.02
29	0.02%	0.04
30	0.00%	0.01
31	0.01%	0.03
32	0.00%	0.01
33	0.01%	0.03
34	0.00%	0.00
35	0.01%	0.03
36	0.00%	0.01
37	0.01%	0.03
38	0.00%	0.00
39	0.01%	0.01

Current: 0.0986(A)

ACF: 1.429

Athd(IEC): 8.50%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.06%	0.00
1	100.00%	4.54
2	0.25%	0.01
3	6.55%	0.30
4	0.21%	0.01
5	2.66%	0.12
6	0.17%	0.01
7	2.39%	0.11
8	0.11%	0.01
9	1.15%	0.05
10	0.08%	0.00
11	1.19%	0.05
12	0.16%	0.01
13	1.46%	0.07
14	0.11%	0.00
15	1.25%	0.06
16	0.21%	0.01
17	1.50%	0.07
18	0.13%	0.01
19	1.74%	0.08
20	0.16%	0.01
21	1.03%	0.05
22	0.12%	0.01
23	0.35%	0.02
24	0.10%	0.00
25	0.73%	0.03
26	0.03%	0.00
27	0.40%	0.02
28	0.11%	0.01
29	0.13%	0.01
30	0.04%	0.00
31	0.27%	0.01
32	0.05%	0.00
33	0.38%	0.02
34	0.02%	0.00
35	0.40%	0.02
36	0.08%	0.00
37	0.20%	0.01
38	0.04%	0.00
39	0.40%	0.02

Type:LED 0108.W.H341.6.60021.500mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-10-19

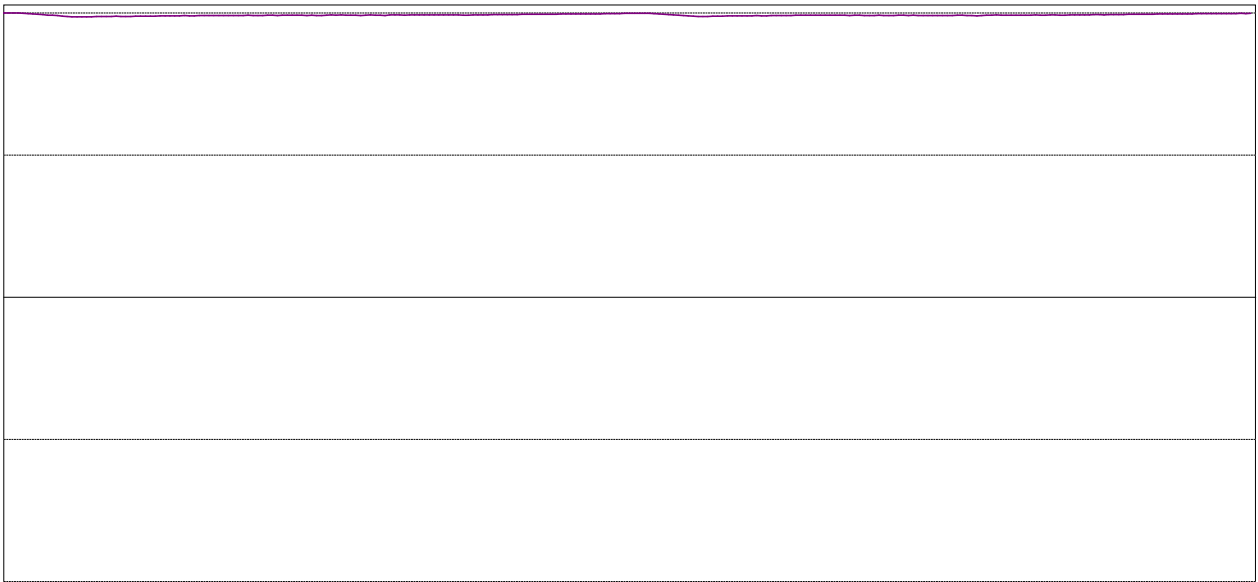
Output

Lamp Voltage(rms):37.47V Lamp Current(rms):0.5017A
Power:18.80W Ripple Current:0.000A Energy Efficiency:0.870

Lamp Voltage Wave



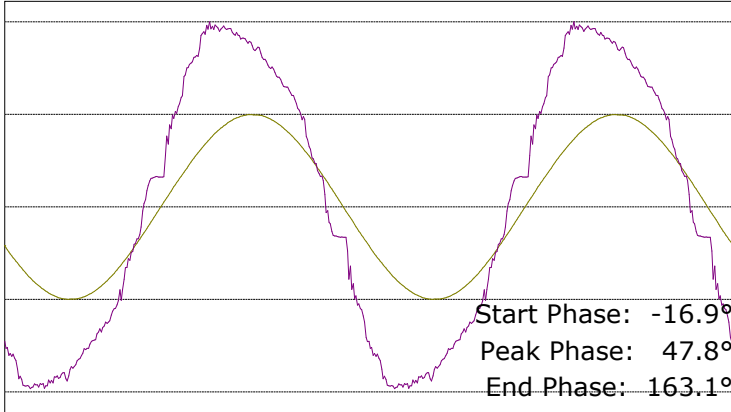
Lamp Current Wave



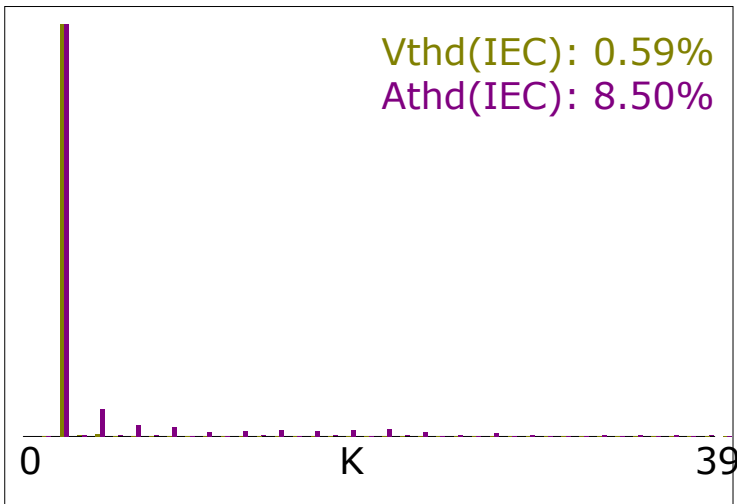
Type:LED 0108.W.H341.6.60021.500mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-10-19

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



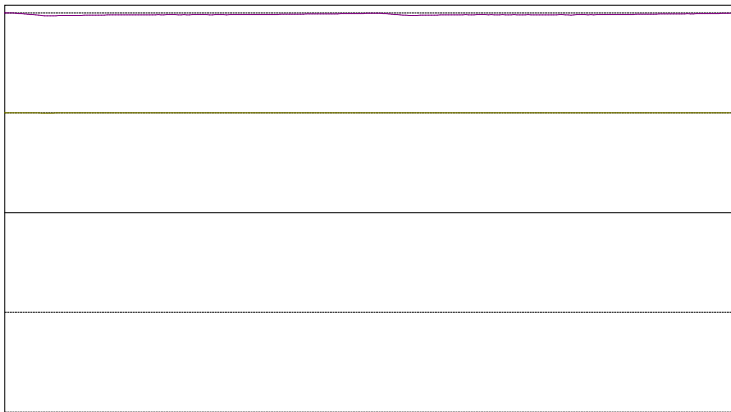
Voltage: 229.548(V)
 VCF: 1.419
 Vthd(IEC): 0.59%
 Current: 0.099(A)
 ACF: 1.429
 Athd(IEC): 8.50%
 Power: 21.6(W)
 Power Factor: 0.9557
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.53%
 H5: 0.04%
 H7: 0.04%
 H9: 0.01%

Current Spectrum
 H3: 6.55%
 H5: 2.66%
 H7: 2.39%
 H9: 1.15%

Output characteristics



Lamp Voltage(rms):37.47V
 Lamp Current(rms):0.5017A
 Power:18.80W
 Ripple Current:0.000A
 Energy Efficiency:0.870