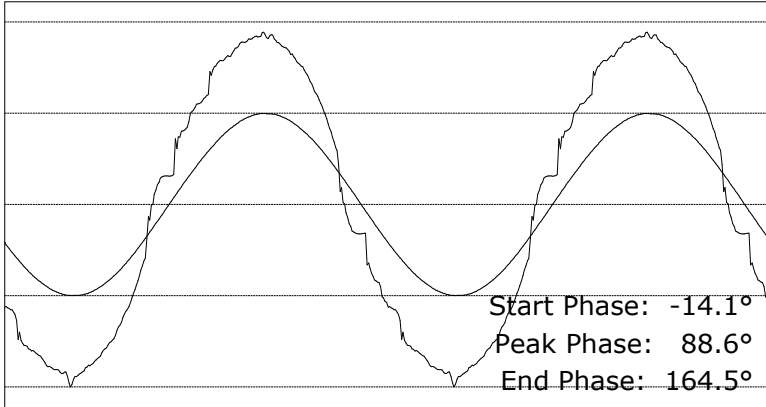
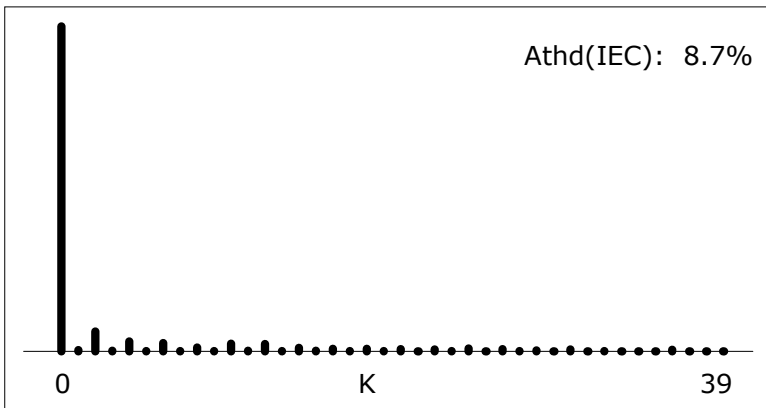
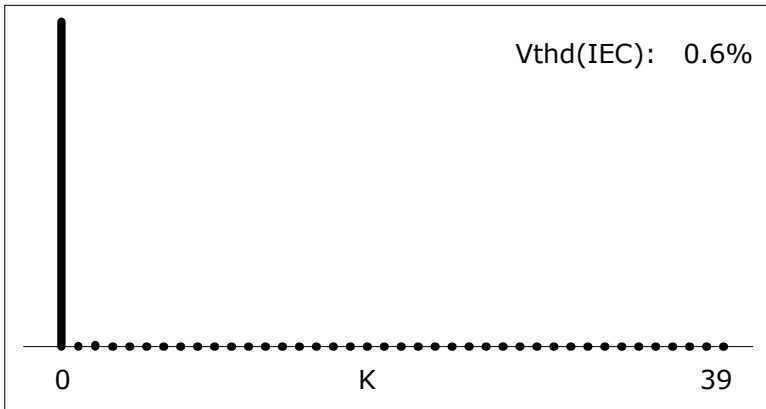


Input Characteristics Test Report [Narrow Band]

Voltage 229.41(V) Current 0.0652(A) Power 14.73(W) Power Factor 0.9849 Frequency 50.00(Hz)



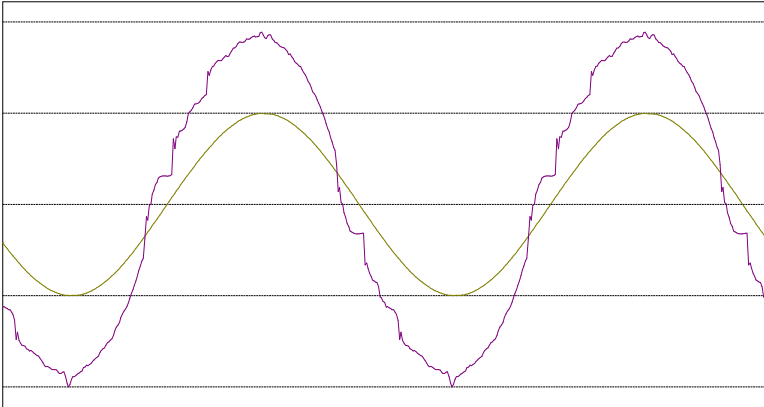
Spectrum(k)	Voltage	Current
0	0.0%	0.6%
1	100.0%	100.0%
2	0.2%	0.4%
3	0.6%	6.2%
4	0.1%	0.2%
5	0.0%	3.1%
6	0.0%	0.2%
7	0.0%	2.7%
8	0.0%	0.1%
9	0.0%	1.2%
10	0.0%	0.1%
11	0.1%	2.4%
12	0.0%	0.2%
13	0.0%	2.3%
14	0.0%	0.1%
15	0.1%	1.1%
16	0.0%	0.2%
17	0.0%	0.9%
18	0.0%	0.1%
19	0.0%	0.9%
20	0.0%	0.2%
21	0.0%	0.7%
22	0.0%	0.1%
23	0.0%	0.7%
24	0.0%	0.1%
25	0.0%	0.9%
26	0.0%	0.0%
27	0.0%	0.8%
28	0.0%	0.2%
29	0.0%	0.3%
30	0.0%	0.1%
31	0.0%	0.6%
32	0.0%	0.0%
33	0.0%	0.2%
34	0.0%	0.1%
35	0.0%	0.1%
36	0.0%	0.1%
37	0.0%	0.5%
38	0.0%	0.1%
39	0.0%	0.1%



Type:LED 0111.W.H341.6 .60018.350mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-15

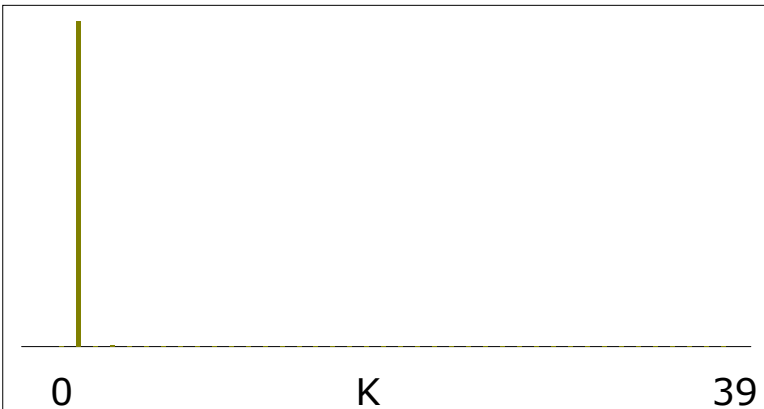
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
229.41(V)	0.0652(A)	14.73(W)	0.9849	50.00(Hz)

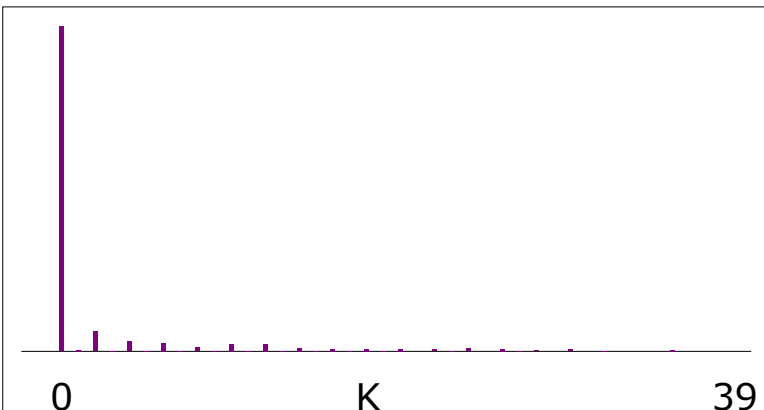


Voltage
Sensitivity: 325.90 V/Div
Peak: 325.90 V

Current
Sensitivity: 0.0478 A
Peak: 0.0957 A
Start Phase: -14.1°
Peak Phase: 88.6°
End Phase: 164.5°



Voltage Spectrum
THD(IEC): 0.64%
H3: 0.58%
H5: 0.04%
H7: 0.05%
H9: 0.01%



Current Spectrum
THD(IEC): 8.7%
H3: 6.20%
H5: 3.06%
H7: 2.65%
H9: 1.21%

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

Voltage: 229.41(V)

VCF: 1.421

Vthd(IEC): 0.64%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.02%	0.04
1	100.00%	229.42
2	0.21%	0.48
3	0.58%	1.34
4	0.09%	0.20
5	0.04%	0.09
6	0.01%	0.03
7	0.05%	0.11
8	0.01%	0.02
9	0.01%	0.03
10	0.01%	0.02
11	0.06%	0.14
12	0.01%	0.02
13	0.03%	0.08
14	0.01%	0.03
15	0.06%	0.13
16	0.01%	0.02
17	0.03%	0.06
18	0.01%	0.01
19	0.01%	0.03
20	0.01%	0.02
21	0.05%	0.11
22	0.01%	0.02
23	0.04%	0.09
24	0.01%	0.02
25	0.05%	0.11
26	0.01%	0.01
27	0.03%	0.08
28	0.01%	0.02
29	0.03%	0.06
30	0.00%	0.01
31	0.02%	0.04
32	0.01%	0.01
33	0.01%	0.03
34	0.00%	0.00
35	0.02%	0.04
36	0.00%	0.01
37	0.01%	0.02
38	0.00%	0.01
39	0.01%	0.03

Current: 0.0652(A)

ACF: 1.467

Athd(IEC): 8.67%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.57%	0.03
1	100.00%	4.41
2	0.42%	0.02
3	6.20%	0.27
4	0.23%	0.01
5	3.06%	0.14
6	0.19%	0.01
7	2.65%	0.12
8	0.15%	0.01
9	1.21%	0.05
10	0.10%	0.00
11	2.38%	0.11
12	0.22%	0.01
13	2.29%	0.10
14	0.13%	0.01
15	1.13%	0.05
16	0.20%	0.01
17	0.88%	0.04
18	0.13%	0.01
19	0.86%	0.04
20	0.19%	0.01
21	0.70%	0.03
22	0.09%	0.00
23	0.67%	0.03
24	0.15%	0.01
25	0.91%	0.04
26	0.04%	0.00
27	0.75%	0.03
28	0.16%	0.01
29	0.32%	0.01
30	0.08%	0.00
31	0.60%	0.03
32	0.03%	0.00
33	0.18%	0.01
34	0.09%	0.00
35	0.07%	0.00
36	0.05%	0.00
37	0.53%	0.02
38	0.06%	0.00
39	0.10%	0.00

Type:LED 0111.W.H341.6 .60018.350mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-10-15

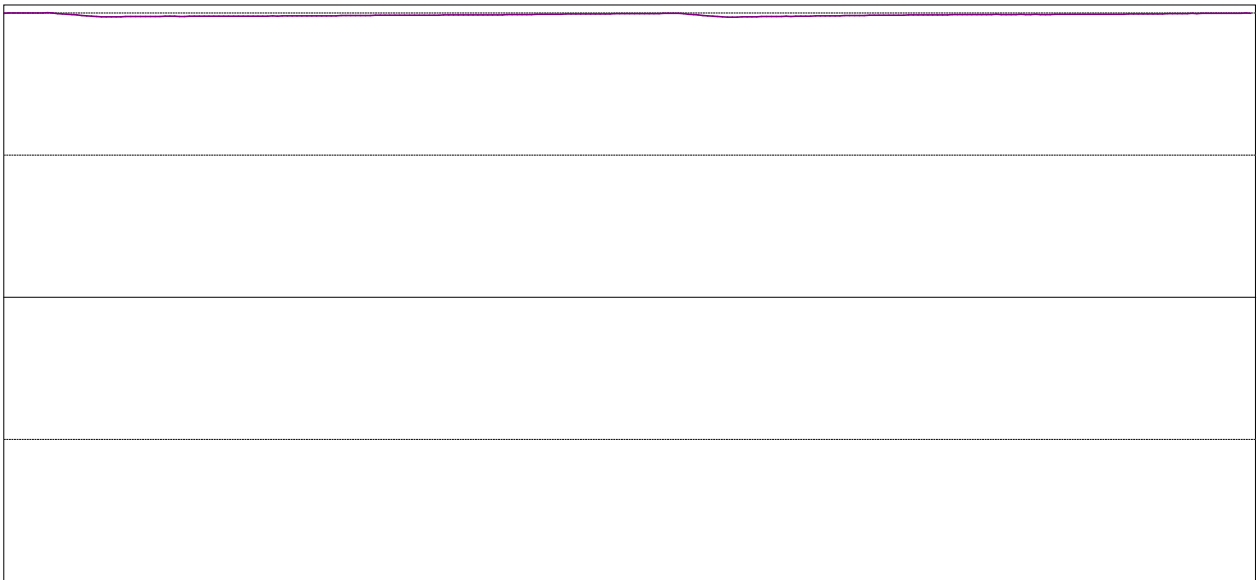
Output

Lamp Voltage(rms):35.66V Lamp Current(rms):0.3514A
Power:12.53W Ripple Current:0.000A Energy Efficiency:0.850

Lamp Voltage Wave



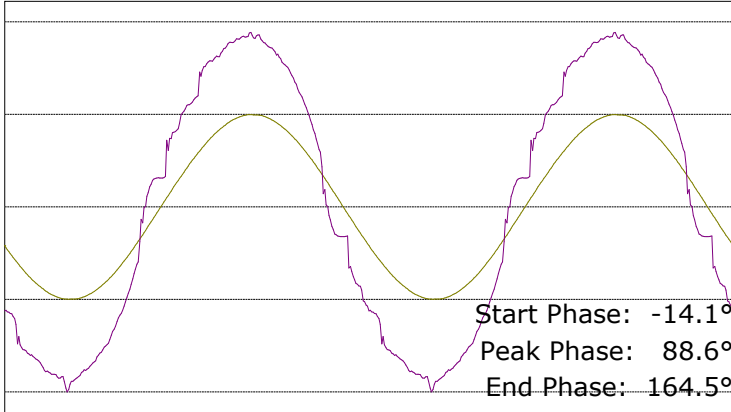
Lamp Current Wave



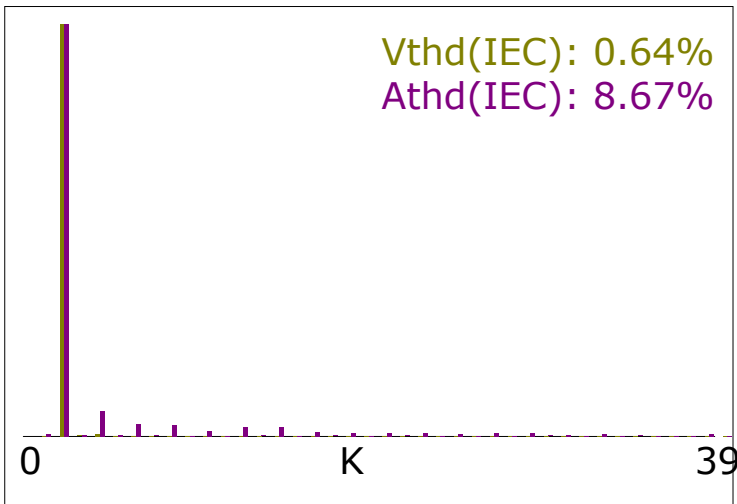
Type:LED 0111.W.H341.6 .60018.350mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-10-15

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



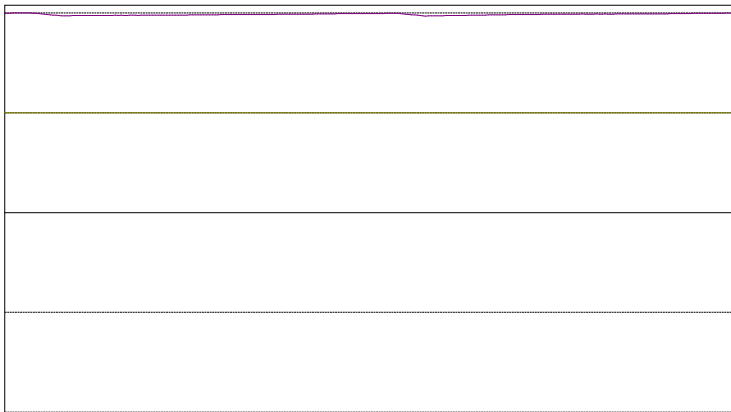
Voltage: 229.408(V)
 VCF: 1.421
 Vthd(IEC): 0.64%
 Current: 0.065(A)
 ACF: 1.467
 Athd(IEC): 8.67%
 Power: 14.7(W)
 Power Factor: 0.9849
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.58%
 H5: 0.04%
 H7: 0.05%
 H9: 0.01%

Current Spectrum
 H3: 6.20%
 H5: 3.06%
 H7: 2.65%
 H9: 1.21%

Output characteristics



Lamp Voltage(rms):35.66V
 Lamp Current(rms):0.3514A
 Power:12.53W
 Ripple Current:0.000A
 Energy Efficiency:0.850