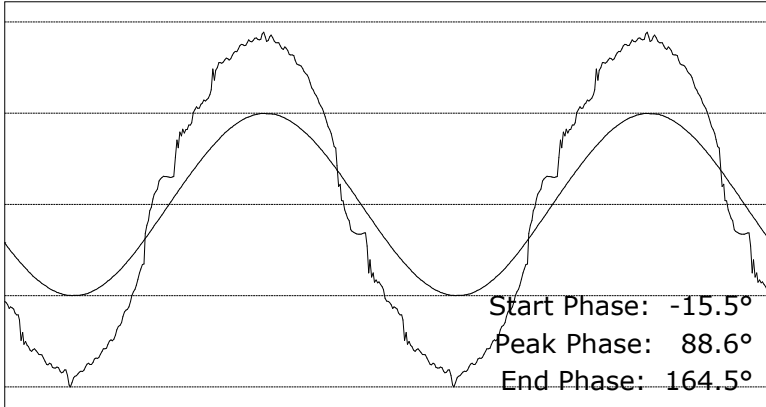
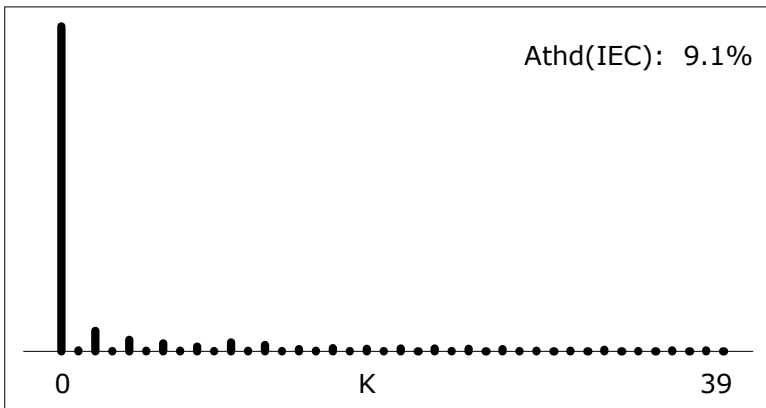
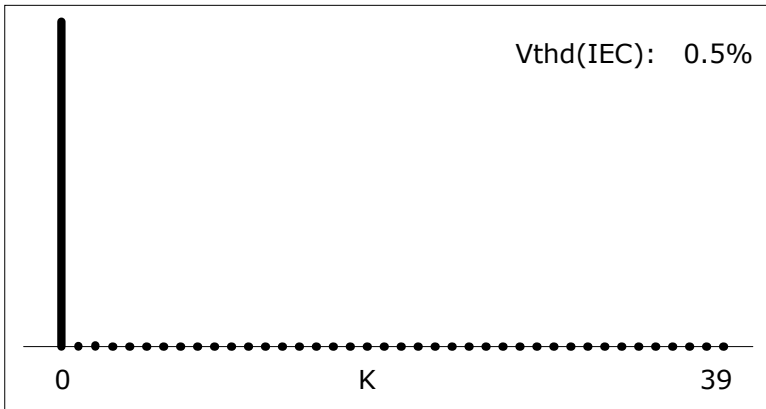


Input Characteristics Test Report [Narrow Band]

Voltage 233.17(V) Current 0.0647(A) Power 14.87(W) Power Factor 0.9855 Frequency 50.00(Hz)



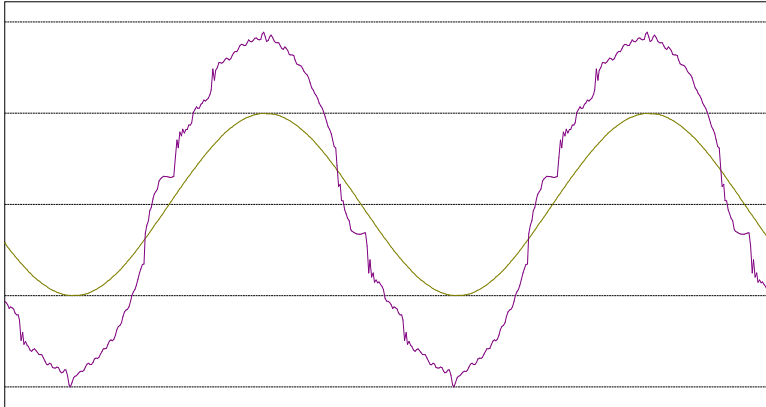
Spectrum(k)	Voltage	Current
0	0.0%	1.0%
1	100.0%	100.0%
2	0.2%	0.4%
3	0.5%	6.4%
4	0.1%	0.2%
5	0.1%	3.6%
6	0.0%	0.2%
7	0.0%	2.6%
8	0.0%	0.3%
9	0.0%	1.6%
10	0.0%	0.1%
11	0.1%	2.8%
12	0.0%	0.2%
13	0.0%	2.0%
14	0.0%	0.2%
15	0.1%	0.7%
16	0.0%	0.2%
17	0.0%	1.1%
18	0.0%	0.1%
19	0.0%	0.8%
20	0.0%	0.2%
21	0.0%	0.9%
22	0.0%	0.1%
23	0.1%	1.0%
24	0.0%	0.2%
25	0.0%	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%	0.3%
32	0.0%	0.1%
33	0.0%	0.5%
34	0.0%	0.1%
35	0.0%	0.1%
36	0.0%	0.0%
37	0.0%	0.4%
38	0.0%	0.1%
39	0.0%	0.4%



Type:LED 0111.W.A331.6.60060.350mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-28

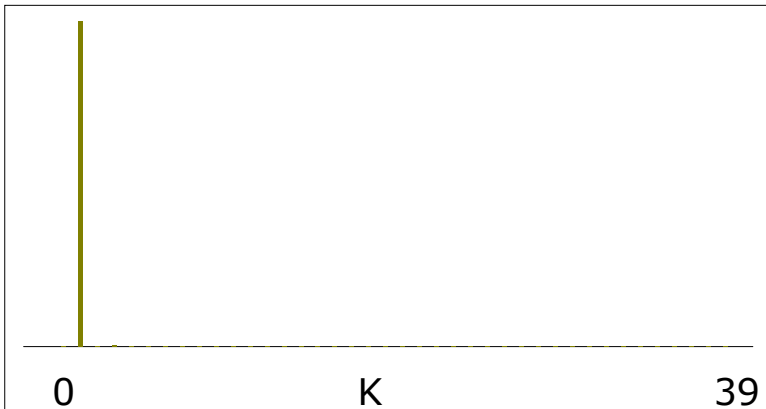
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
233.17(V)	0.0647(A)	14.87(W)	0.9855	50.00(Hz)

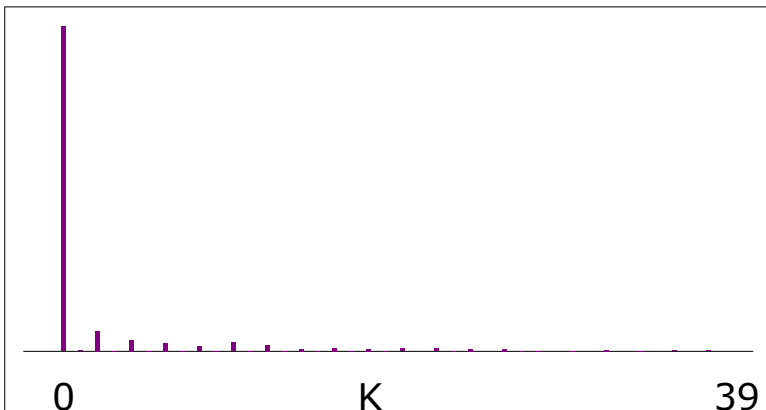


Voltage
Sensitivity: 330.92 V/Div
Peak: 330.92 V

Current
Sensitivity: 0.0482 A
Peak: 0.0964 A
Start Phase: -15.5°
Peak Phase: 88.6°
End Phase: 164.5°



Voltage Spectrum
THD(IEC): 0.54%
H3: 0.46%
H5: 0.05%
H7: 0.02%
H9: 0.02%



Current Spectrum
THD(IEC): 9.1%
H3: 6.36%
H5: 3.55%
H7: 2.56%
H9: 1.56%

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

Voltage: 233.17(V)
 VCF: 1.419
 Vthd(IEC): 0.54%

Current: 0.0647(A)
 ACF: 1.490
 Athd(IEC): 9.07%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.06
1	100.00%	233.17
2	0.20%	0.48
3	0.46%	1.08
4	0.08%	0.19
5	0.05%	0.13
6	0.01%	0.03
7	0.02%	0.05
8	0.01%	0.02
9	0.02%	0.06
10	0.01%	0.03
11	0.06%	0.13
12	0.01%	0.02
13	0.04%	0.10
14	0.01%	0.02
15	0.06%	0.13
16	0.01%	0.01
17	0.03%	0.07
18	0.00%	0.01
19	0.01%	0.02
20	0.01%	0.02
21	0.04%	0.10
22	0.00%	0.01
23	0.06%	0.14
24	0.01%	0.02
25	0.04%	0.10
26	0.00%	0.01
27	0.04%	0.08
28	0.01%	0.02
29	0.02%	0.06
30	0.00%	0.00
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%	0.01
37	0.00%	0.01
38	0.00%	0.00
39	0.01%	0.03

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	1.03%	0.04
1	100.00%	4.33
2	0.35%	0.02
3	6.36%	0.28
4	0.18%	0.01
5	3.55%	0.15
6	0.23%	0.01
7	2.56%	0.11
8	0.26%	0.01
9	1.56%	0.07
10	0.14%	0.01
11	2.76%	0.12
12	0.23%	0.01
13	2.02%	0.09
14	0.19%	0.01
15	0.70%	0.03
16	0.24%	0.01
17	1.08%	0.05
18	0.13%	0.01
19	0.85%	0.04
20	0.18%	0.01
21	0.89%	0.04
22	0.09%	0.00
23	0.96%	0.04
24	0.18%	0.01
25	0.85%	0.04
26	0.07%	0.00
27	0.74%	0.03
28	0.11%	0.00
29	0.24%	0.01
30	0.09%	0.00
31	0.28%	0.01
32	0.07%	0.00
33	0.50%	0.02
34	0.08%	0.00
35	0.14%	0.01
36	0.03%	0.00
37	0.39%	0.02
38	0.09%	0.00
39	0.38%	0.02

Type:LED 0111.W.A331.6.60060.350mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-28

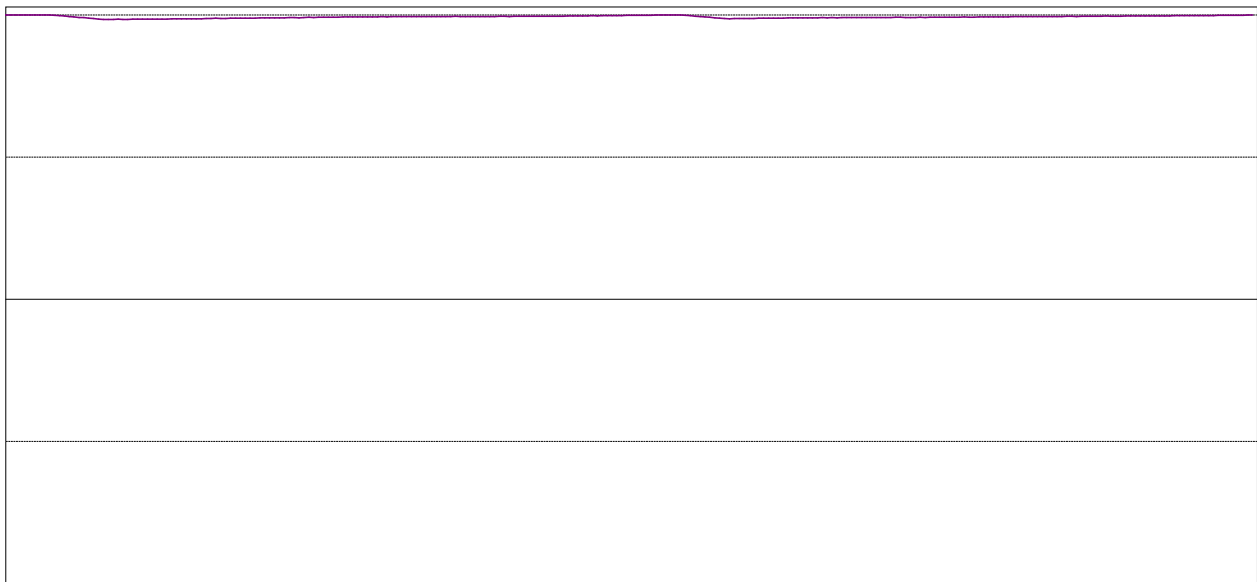
Output

Lamp Voltage(rms):35.99V Lamp Current(rms):0.3497A
Power:12.59W Ripple Current:0.000A Energy Efficiency:0.846

Lamp Voltage Wave



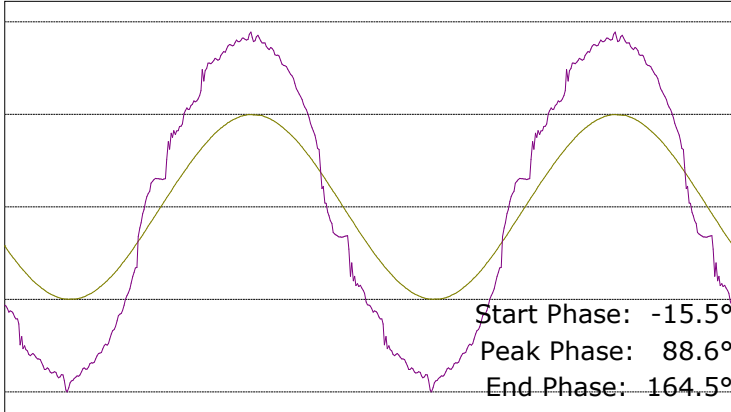
Lamp Current Wave



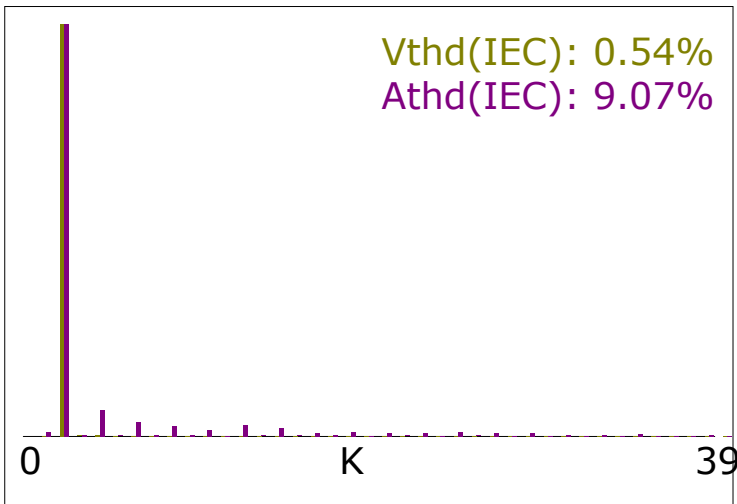
Type:LED 0111.W.A331.6.60060.350mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-10-28

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



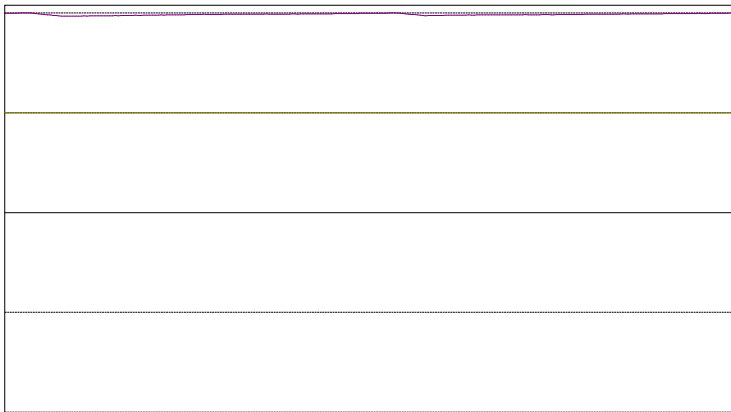
Voltage: 233.174(V)
 VCF: 1.419
 Vthd(IEC): 0.54%
 Current: 0.065(A)
 ACF: 1.490
 Athd(IEC): 9.07%
 Power: 14.9(W)
 Power Factor: 0.9855
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.46%
 H5: 0.05%
 H7: 0.02%
 H9: 0.02%

Current Spectrum
 H3: 6.36%
 H5: 3.55%
 H7: 2.56%
 H9: 1.56%

Output characteristics



Lamp Voltage(rms):35.99V
 Lamp Current(rms):0.3497A
 Power:12.59W
 Ripple Current:0.000A
 Energy Efficiency:0.846