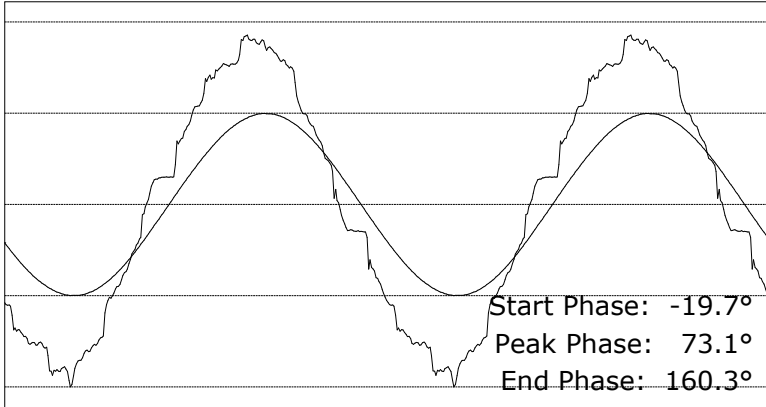
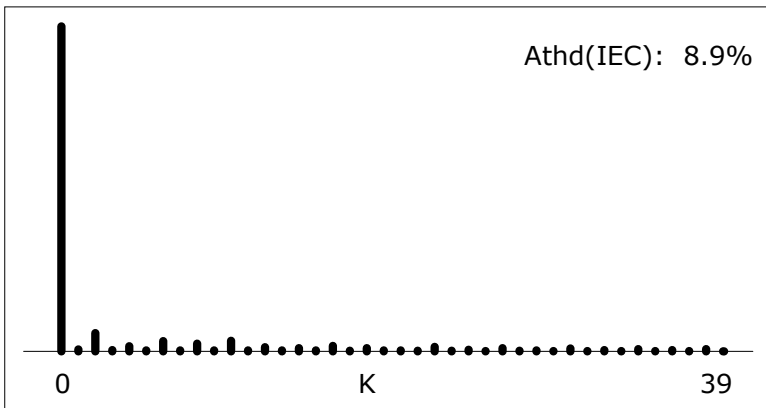
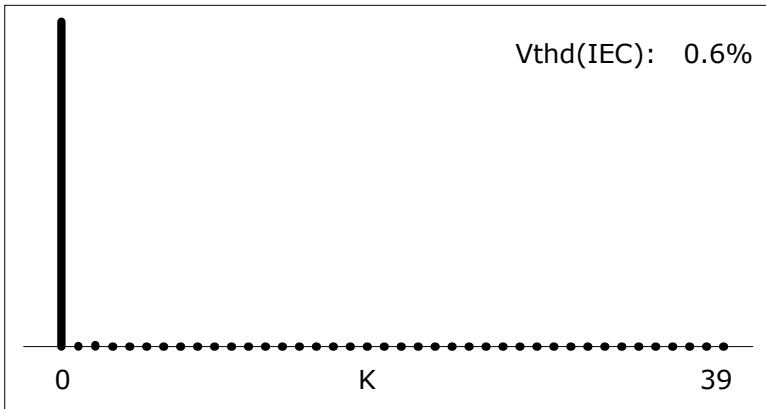


Input Characteristics Test Report [Narrow Band]

Voltage 230.82(V) Current 0.0428(A) Power 9.50(W) Power Factor 0.9629 Frequency 50.00(Hz)



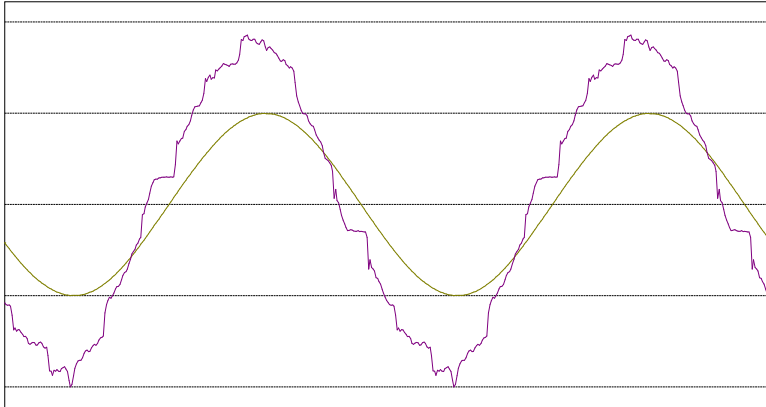
Spectrum(k)	Voltage	Current
0	0.0%	0.2%
1	100.0%	100.0%
2	0.2%	0.7%
3	0.6%	5.6%
4	0.1%	0.4%
5	0.0%	1.6%
6	0.0%	0.3%
7	0.0%	3.2%
8	0.0%	0.4%
9	0.0%	2.4%
10	0.0%	0.3%
11	0.0%	3.3%
12	0.0%	0.4%
13	0.0%	1.3%
14	0.0%	0.3%
15	0.1%	1.0%
16	0.0%	0.4%
17	0.0%	1.8%
18	0.0%	0.3%
19	0.0%	1.0%
20	0.0%	0.3%
21	0.0%	0.4%
22	0.0%	0.2%
23	0.0%	1.4%
24	0.0%	0.3%
25	0.1%	0.5%
26	0.0%	0.2%
27	0.0%	1.0%
28	0.0%	0.2%
29	0.0%	0.4%
30	0.0%	0.2%
31	0.0%	1.0%
32	0.0%	0.2%
33	0.0%	0.4%
34	0.0%	0.2%
35	0.0%	0.8%
36	0.0%	0.2%
37	0.0%	0.5%
38	0.0%	0.2%
39	0.0%	0.7%



Type:LED 0109.W.A131.6.60008.200mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-11

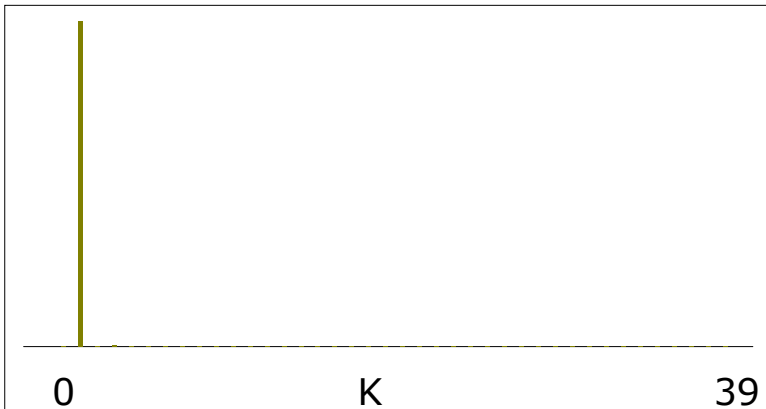
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
230.82(V)	0.0428(A)	9.50(W)	0.9629	50.00(Hz)

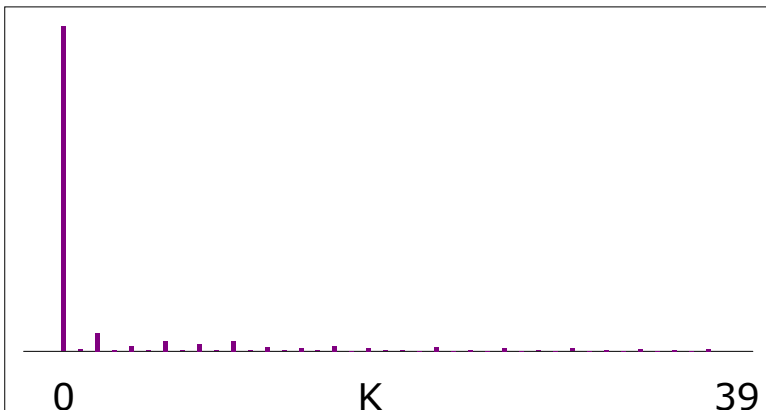


Voltage
Sensitivity: 328.17 V/Div
Peak: 328.17 V

Current
Sensitivity: 0.0346 A
Peak: 0.0691 A
Start Phase: -19.7°
Peak Phase: 73.1°
End Phase: 160.3°



Voltage Spectrum
THD(IEC): 0.63%
H3: 0.58%
H5: 0.01%
H7: 0.02%
H9: 0.03%



Current Spectrum
THD(IEC): 8.9%
H3: 5.63%
H5: 1.59%
H7: 3.19%
H9: 2.45%

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

Voltage: 230.82(V)
 VCF: 1.422
 Vthd(IEC): 0.63%

Current: 0.0428(A)
 ACF: 1.617
 Athd(IEC): 8.87%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.08
1	100.00%	230.81
2	0.21%	0.49
3	0.58%	1.34
4	0.08%	0.19
5	0.01%	0.02
6	0.01%	0.02
7	0.02%	0.04
8	0.01%	0.02
9	0.03%	0.06
10	0.01%	0.02
11	0.02%	0.06
12	0.01%	0.02
13	0.01%	0.03
14	0.01%	0.03
15	0.07%	0.15
16	0.01%	0.02
17	0.01%	0.03
18	0.01%	0.02
19	0.03%	0.07
20	0.01%	0.02
21	0.01%	0.03
22	0.01%	0.01
23	0.02%	0.05
24	0.01%	0.03
25	0.05%	0.12
26	0.00%	0.01
27	0.04%	0.08
28	0.01%	0.02
29	0.01%	0.02
30	0.00%	0.00
31	0.04%	0.09
32	0.01%	0.02
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	0.15%	0.01
1	100.00%	4.48
2	0.65%	0.03
3	5.63%	0.25
4	0.45%	0.02
5	1.59%	0.07
6	0.32%	0.01
7	3.19%	0.14
8	0.35%	0.02
9	2.45%	0.11
10	0.34%	0.02
11	3.32%	0.15
12	0.38%	0.02
13	1.30%	0.06
14	0.34%	0.02
15	1.03%	0.05
16	0.39%	0.02
17	1.76%	0.08
18	0.30%	0.01
19	1.01%	0.05
20	0.31%	0.01
21	0.36%	0.02
22	0.25%	0.01
23	1.43%	0.06
24	0.29%	0.01
25	0.51%	0.02
26	0.17%	0.01
27	1.02%	0.05
28	0.20%	0.01
29	0.37%	0.02
30	0.16%	0.01
31	0.96%	0.04
32	0.15%	0.01
33	0.40%	0.02
34	0.17%	0.01
35	0.77%	0.03
36	0.19%	0.01
37	0.49%	0.02
38	0.17%	0.01
39	0.73%	0.03

Type:LED 0109.W.A131.6.60008.200mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-11

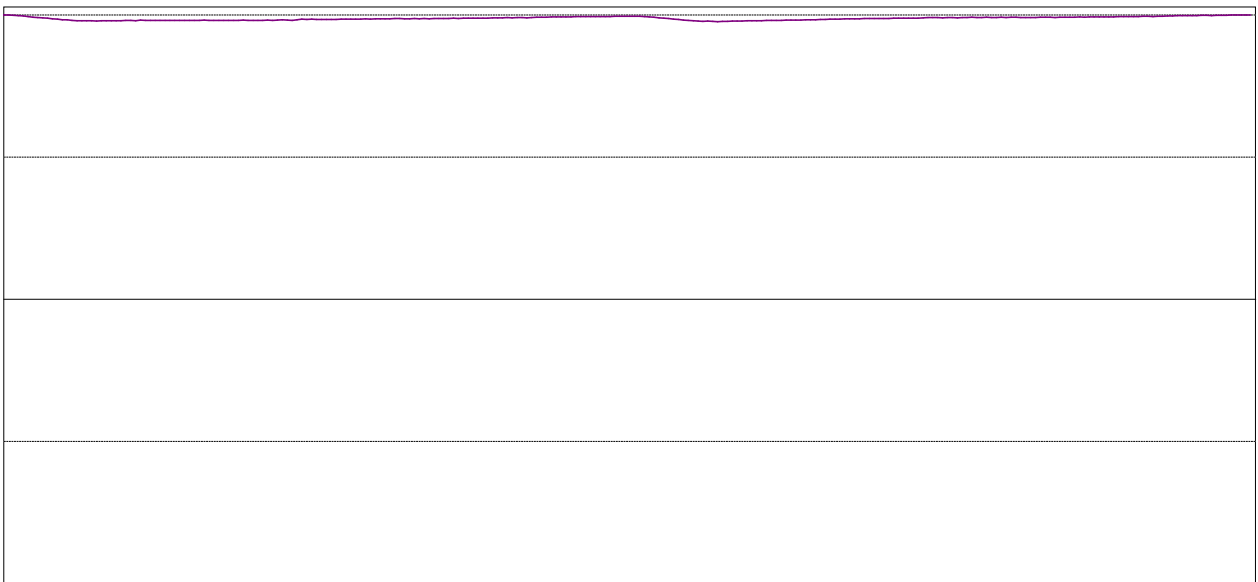
Output

Lamp Voltage(rms):40.59V Lamp Current(rms):0.1941A
Power:7.88W Ripple Current:0.000A Energy Efficiency:0.830

Lamp Voltage Wave



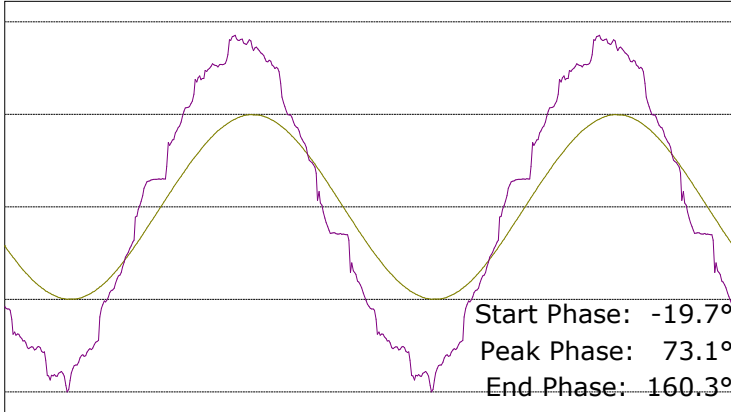
Lamp Current Wave



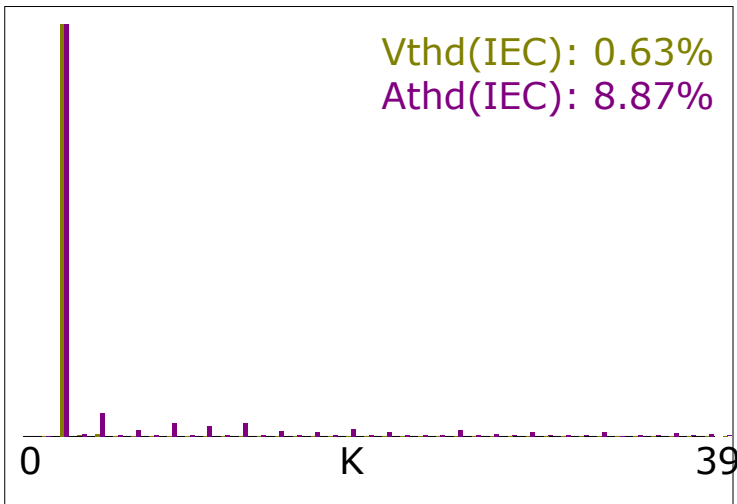
Type:LED 0109.W.A131.6.60008.200mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-10-11

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



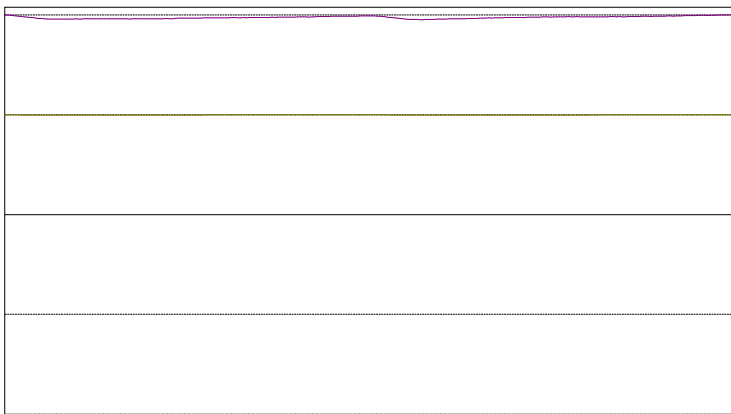
Voltage: 230.817(V)
VCF: 1.422
Vthd(IEC): 0.63%
Current: 0.043(A)
ACF: 1.617
Athd(IEC): 8.87%
Power: 9.5(W)
Power Factor: 0.9629
Frequency: 50.00(Hz)



Voltage Spectrum
H3: 0.58%
H5: 0.01%
H7: 0.02%
H9: 0.03%

Current Spectrum
H3: 5.63%
H5: 1.59%
H7: 3.19%
H9: 2.45%

Output characteristics



Lamp Voltage(rms):40.59V
Lamp Current(rms):0.1941A
Power:7.88W
Ripple Current:0.000A
Energy Efficiency:0.830