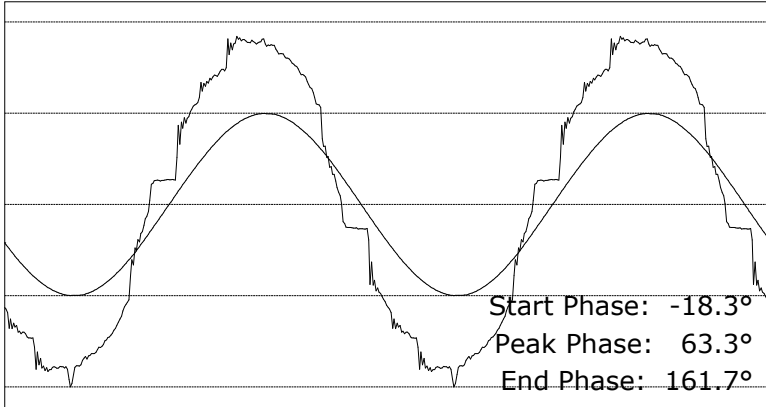
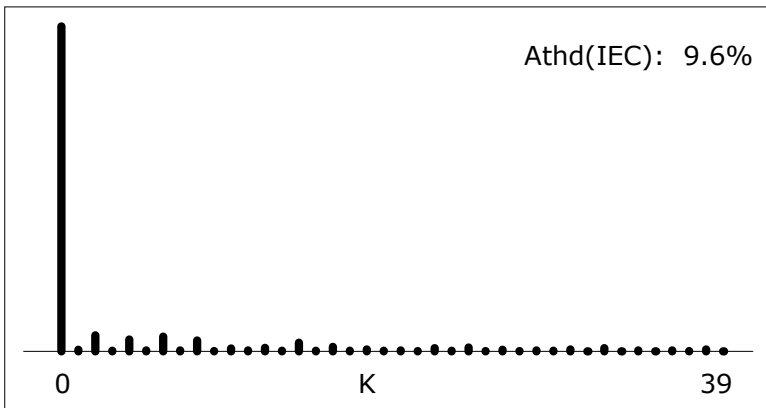
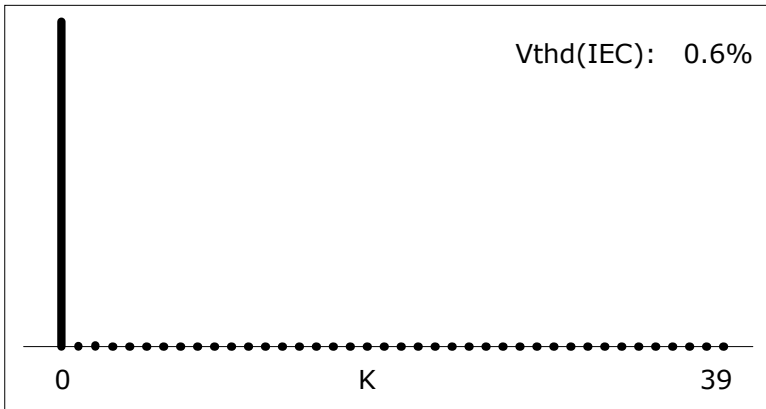


Input Characteristics Test Report [Narrow Band]

Voltage 229.42(V) Current 0.0479(A) Power 10.71(W) Power Factor 0.9740 Frequency 50.00(Hz)



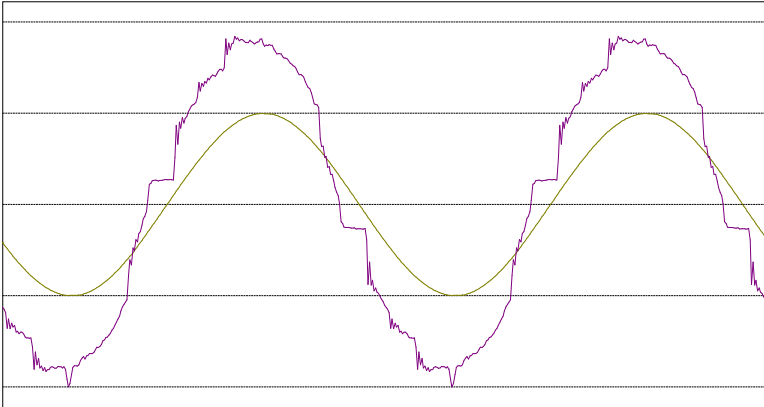
Spectrum(k)	Voltage	Current
0	0.0%	0.3%
1	100.0%	100.0%
2	0.2%	0.5%
3	0.5%	5.0%
4	0.1%	0.2%
5	0.0%	3.7%
6	0.0%	0.3%
7	0.0%	4.6%
8	0.0%	0.3%
9	0.0%	3.4%
10	0.0%	0.2%
11	0.1%	0.9%
12	0.0%	0.4%
13	0.0%	1.2%
14	0.0%	0.2%
15	0.1%	2.7%
16	0.0%	0.3%
17	0.0%	1.4%
18	0.0%	0.2%
19	0.0%	0.7%
20	0.0%	0.3%
21	0.0%	0.3%
22	0.0%	0.2%
23	0.1%	1.1%
24	0.0%	0.2%
25	0.0%	1.2%
26	0.0%	0.2%
27	0.0%	0.6%
28	0.0%	0.2%
29	0.0%	0.3%
30	0.0%	0.2%
31	0.0%	0.7%
32	0.0%	0.1%
33	0.0%	1.1%
34	0.0%	0.1%
35	0.0%	0.4%
36	0.0%	0.1%
37	0.0%	0.3%
38	0.0%	0.1%
39	0.0%	0.7%



Type:LED 0110.W.A231.6.60046.250mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-13

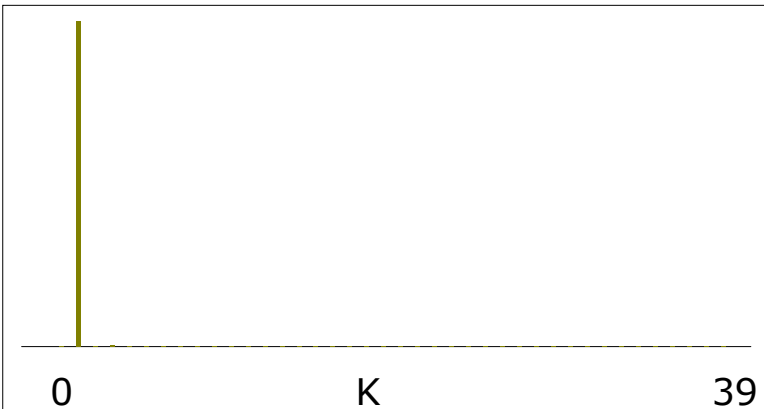
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
229.42(V)	0.0479(A)	10.71(W)	0.9740	50.00(Hz)

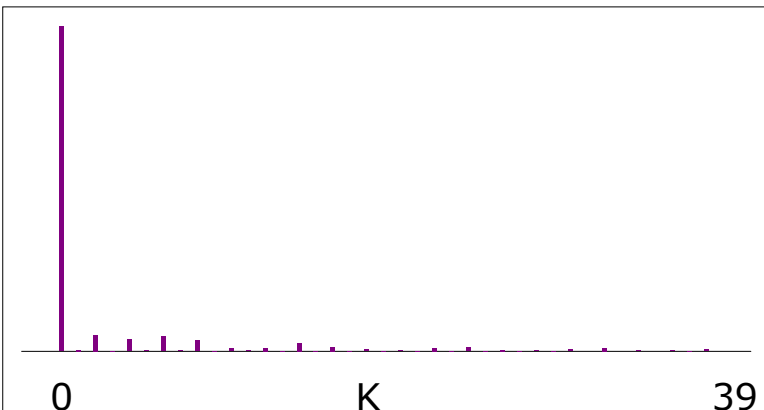


Voltage
Sensitivity: 325.69 V/Div
Peak: 325.69 V

Current
Sensitivity: 0.0365 A
Peak: 0.0730 A
Start Phase: -18.3°
Peak Phase: 63.3°
End Phase: 161.7°



Voltage Spectrum
THD(IEC): 0.55%
H3: 0.48%
H5: 0.05%
H7: 0.03%
H9: 0.03%



Current Spectrum
THD(IEC): 9.6%
H3: 5.01%
H5: 3.72%
H7: 4.55%
H9: 3.38%

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

Voltage: 229.42(V)

VCF: 1.420

Vthd(IEC): 0.55%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.07
1	100.00%	229.42
2	0.21%	0.49
3	0.48%	1.10
4	0.08%	0.19
5	0.05%	0.11
6	0.01%	0.03
7	0.03%	0.07
8	0.01%	0.02
9	0.03%	0.06
10	0.01%	0.02
11	0.05%	0.13
12	0.01%	0.02
13	0.01%	0.03
14	0.01%	0.02
15	0.06%	0.13
16	0.01%	0.02
17	0.02%	0.04
18	0.01%	0.02
19	0.01%	0.02
20	0.01%	0.02
21	0.02%	0.05
22	0.01%	0.02
23	0.07%	0.15
24	0.01%	0.03
25	0.03%	0.07
26	0.00%	0.01
27	0.02%	0.05
28	0.01%	0.02
29	0.01%	0.03
30	0.00%	0.00
31	0.03%	0.08
32	0.01%	0.01
33	0.01%	0.03
34	0.00%	0.01
35	0.01%	0.03
36	0.00%	0.00
37	0.00%	0.00
38	0.00%	0.01
39	0.01%	0.03

Current: 0.0479(A)

ACF: 1.522

Athd(IEC): 9.64%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.27%	0.01
1	100.00%	4.46
2	0.50%	0.02
3	5.01%	0.22
4	0.24%	0.01
5	3.72%	0.17
6	0.34%	0.01
7	4.55%	0.20
8	0.32%	0.01
9	3.38%	0.15
10	0.19%	0.01
11	0.94%	0.04
12	0.39%	0.02
13	1.17%	0.05
14	0.22%	0.01
15	2.73%	0.12
16	0.27%	0.01
17	1.44%	0.06
18	0.20%	0.01
19	0.68%	0.03
20	0.29%	0.01
21	0.32%	0.01
22	0.16%	0.01
23	1.05%	0.05
24	0.21%	0.01
25	1.19%	0.05
26	0.18%	0.01
27	0.58%	0.03
28	0.15%	0.01
29	0.33%	0.01
30	0.20%	0.01
31	0.67%	0.03
32	0.08%	0.00
33	1.05%	0.05
34	0.10%	0.00
35	0.38%	0.02
36	0.07%	0.00
37	0.30%	0.01
38	0.11%	0.00
39	0.66%	0.03

Type:LED 0110.W.A231.6.60046.250mA

Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-10-13

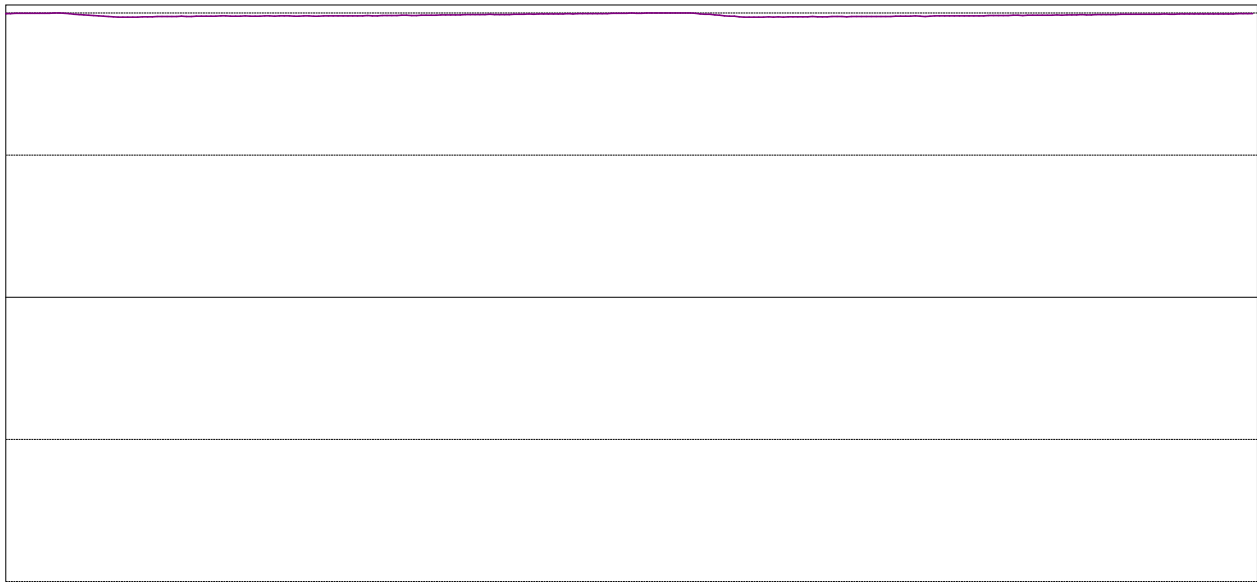
Output

Lamp Voltage(rms):35.87V Lamp Current(rms):0.2471A
Power:8.86W Ripple Current:0.000A Energy Efficiency:0.827

Lamp Voltage Wave



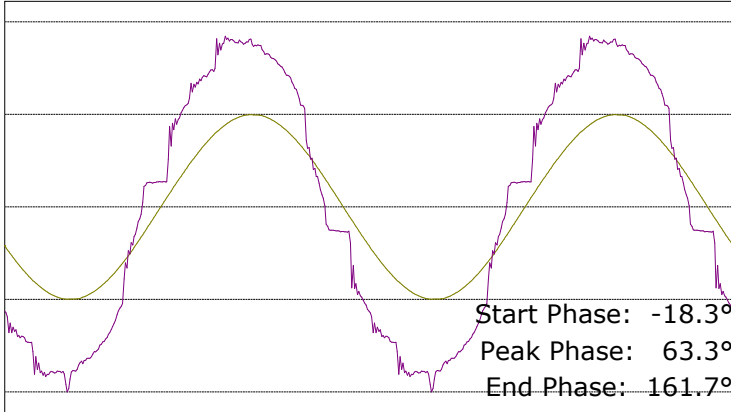
Lamp Current Wave



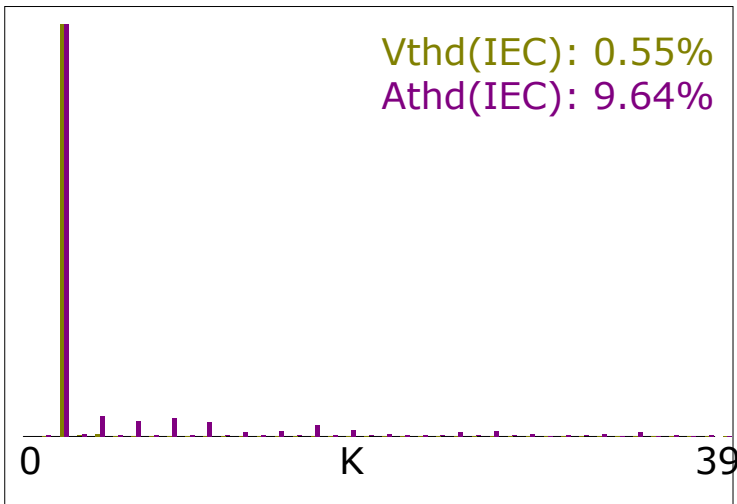
Type:LED 0110.W.A231.6.60046.250mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-10-13

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



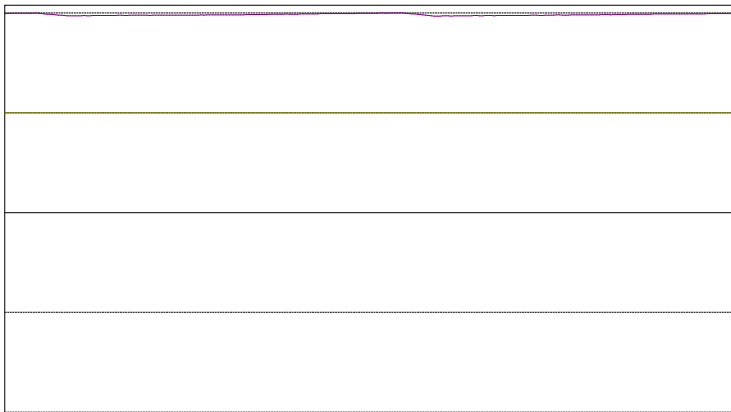
Voltage: 229.421(V)
 VCF: 1.420
 Vthd(IEC): 0.55%
 Current: 0.048(A)
 ACF: 1.522
 Athd(IEC): 9.64%
 Power: 10.7(W)
 Power Factor: 0.9740
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.48%
 H5: 0.05%
 H7: 0.03%
 H9: 0.03%

Current Spectrum
 H3: 5.01%
 H5: 3.72%
 H7: 4.55%
 H9: 3.38%

Output characteristics



Lamp Voltage(rms):35.87V
 Lamp Current(rms):0.2471A
 Power:8.86W
 Ripple Current:0.000A
 Energy Efficiency:0.827