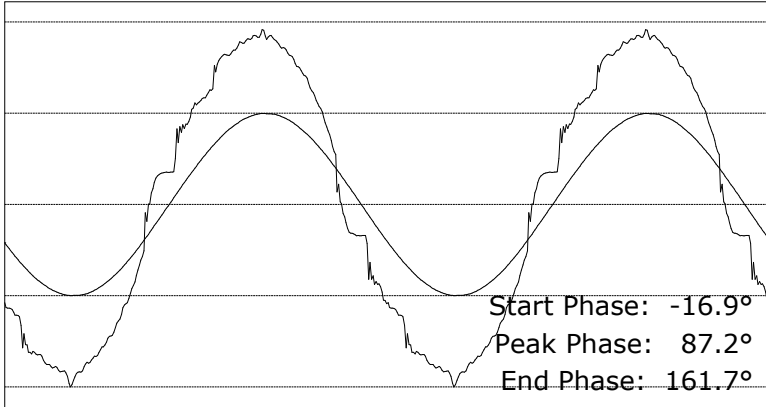
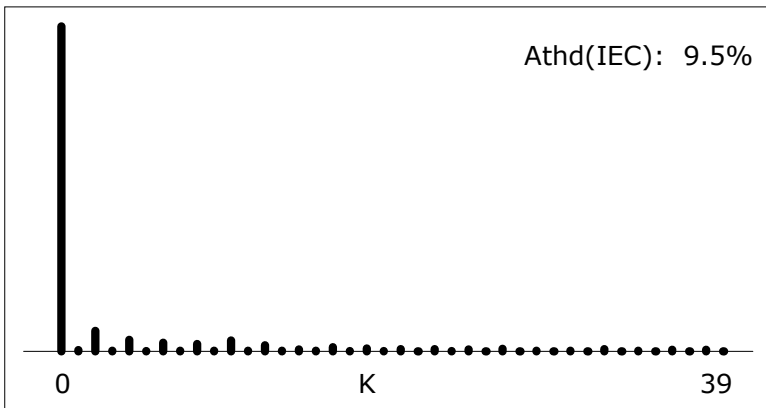
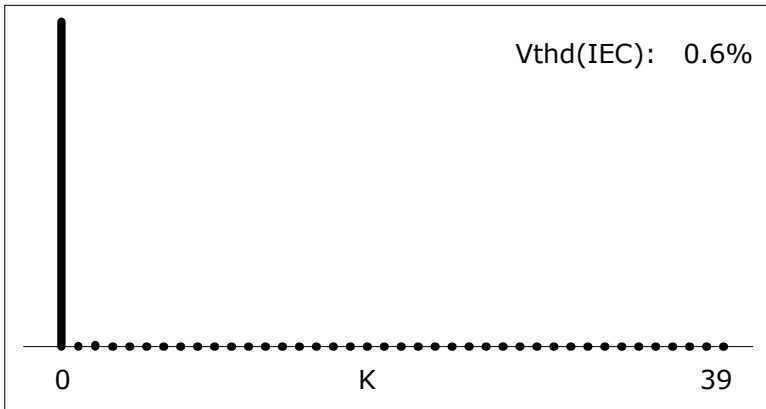


Input Characteristics Test Report [Narrow Band]

Voltage 230.09(V) Current 0.0582(A) Power 13.10(W) Power Factor 0.9789 Frequency 50.00(Hz)



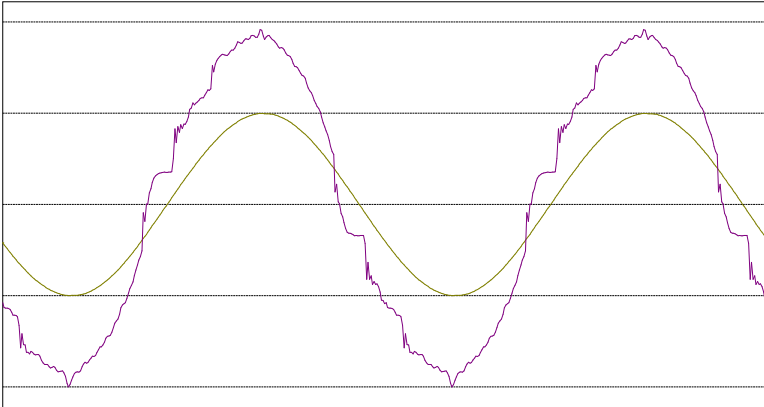
Spectrum(k)	Voltage	Current
0	0.0%	0.4%
1	100.0%	100.0%
2	0.2%	0.4%
3	0.5%	6.3%
4	0.1%	0.2%
5	0.0%	3.6%
6	0.0%	0.2%
7	0.0%	2.7%
8	0.0%	0.2%
9	0.0%	2.3%
10	0.0%	0.2%
11	0.0%	3.4%
12	0.0%	0.2%
13	0.0%	1.9%
14	0.0%	0.2%
15	0.1%	0.7%
16	0.0%	0.2%
17	0.0%	1.4%
18	0.0%	0.1%
19	0.0%	0.9%
20	0.0%	0.2%
21	0.0%	0.7%
22	0.0%	0.1%
23	0.1%	0.7%
24	0.0%	0.2%
25	0.0%	0.7%
26	0.0%	0.1%
27	0.0%	0.9%
28	0.0%	0.1%
29	0.0%	0.3%
30	0.0%	0.1%
31	0.0%	0.3%
32	0.0%	0.1%
33	0.0%	0.8%
34	0.0%	0.1%
35	0.0%	0.2%
36	0.0%	0.0%
37	0.0%	0.5%
38	0.0%	0.1%
39	0.0%	0.5%



Type:LED 0120.W.A231.6.60054.300mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-10-24

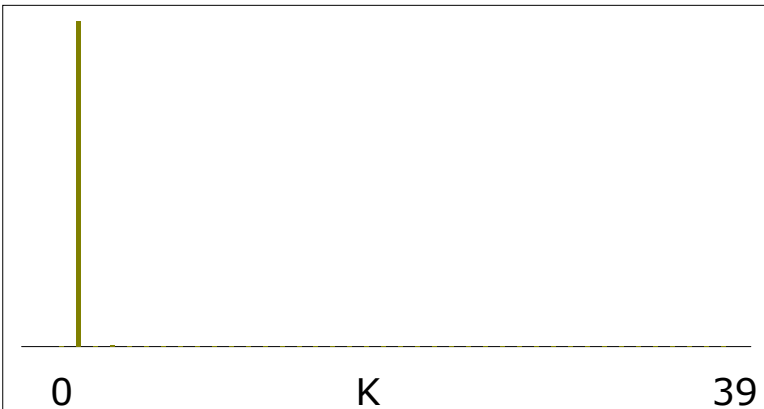
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
230.09(V)	0.0582(A)	13.10(W)	0.9789	50.00(Hz)

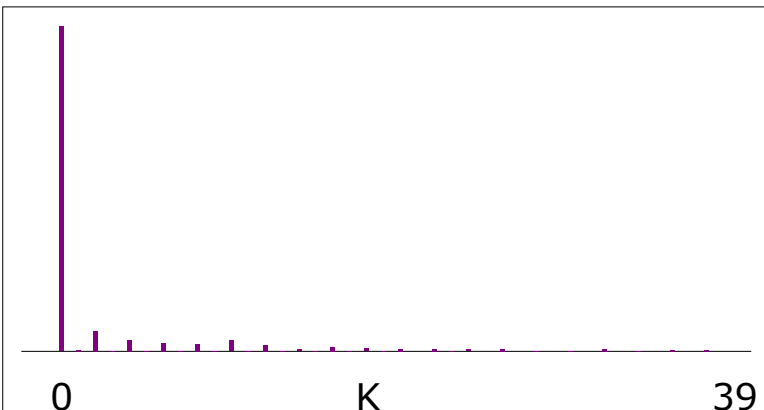


Voltage
Sensitivity: 326.64 V/Div
Peak: 326.64 V

Current
Sensitivity: 0.0433 A
Peak: 0.0867 A
Start Phase: -16.9°
Peak Phase: 87.2°
End Phase: 161.7°



Voltage Spectrum
THD(IEC): 0.56%
H3: 0.49%
H5: 0.02%
H7: 0.04%
H9: 0.01%



Current Spectrum
THD(IEC): 9.5%
H3: 6.34%
H5: 3.59%
H7: 2.70%
H9: 2.31%

Type:LED 0120.W.A231.6.60054.300mA	Number:1
Manufacturer: Brasled	
Temperature:25iãC	Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester	
Operator:	Inspector:
Test Time:2016-10-24	

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

Voltage: 230.09(V)

VCF: 1.420

Vthd(IEC): 0.56%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.02%	0.05
1	100.00%	230.09
2	0.20%	0.45
3	0.49%	1.14
4	0.08%	0.18
5	0.02%	0.05
6	0.01%	0.02
7	0.04%	0.08
8	0.01%	0.02
9	0.01%	0.03
10	0.01%	0.02
11	0.04%	0.09
12	0.01%	0.02
13	0.03%	0.07
14	0.01%	0.03
15	0.06%	0.15
16	0.01%	0.02
17	0.03%	0.07
18	0.00%	0.01
19	0.00%	0.01
20	0.01%	0.02
21	0.03%	0.08
22	0.00%	0.01
23	0.06%	0.13
24	0.01%	0.03
25	0.05%	0.11
26	0.00%	0.01
27	0.04%	0.09
28	0.01%	0.01
29	0.02%	0.04
30	0.00%	0.00
31	0.02%	0.05
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%	0.00
39	0.02%	0.04

Current: 0.0582(A)

ACF: 1.490

Athd(IEC): 9.48%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.35%	0.02
1	100.00%	4.42
2	0.44%	0.02
3	6.34%	0.28
4	0.22%	0.01
5	3.59%	0.16
6	0.17%	0.01
7	2.70%	0.12
8	0.23%	0.01
9	2.31%	0.10
10	0.20%	0.01
11	3.36%	0.15
12	0.21%	0.01
13	1.88%	0.08
14	0.21%	0.01
15	0.66%	0.03
16	0.23%	0.01
17	1.36%	0.06
18	0.13%	0.01
19	0.90%	0.04
20	0.18%	0.01
21	0.74%	0.03
22	0.07%	0.00
23	0.70%	0.03
24	0.18%	0.01
25	0.66%	0.03
26	0.08%	0.00
27	0.88%	0.04
28	0.09%	0.00
29	0.27%	0.01
30	0.09%	0.00
31	0.26%	0.01
32	0.08%	0.00
33	0.79%	0.03
34	0.07%	0.00
35	0.21%	0.01
36	0.03%	0.00
37	0.52%	0.02
38	0.07%	0.00
39	0.49%	0.02

Type:LED 0120.W.A231.6.60054.300mA

Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-10-24

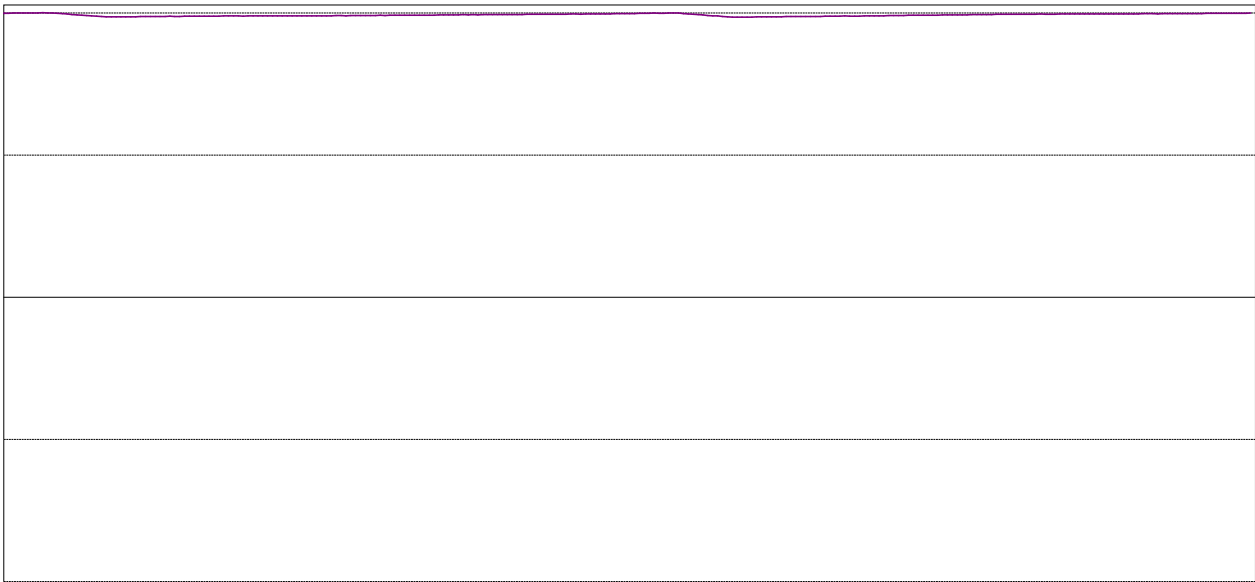
Output

Lamp Voltage(rms):36.63V Lamp Current(rms):0.3037A
Power:11.13W Ripple Current:0.000A Energy Efficiency:0.850

Lamp Voltage Wave



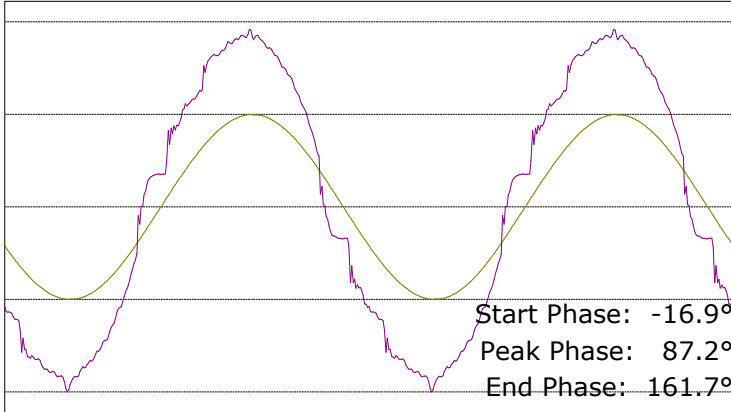
Lamp Current Wave



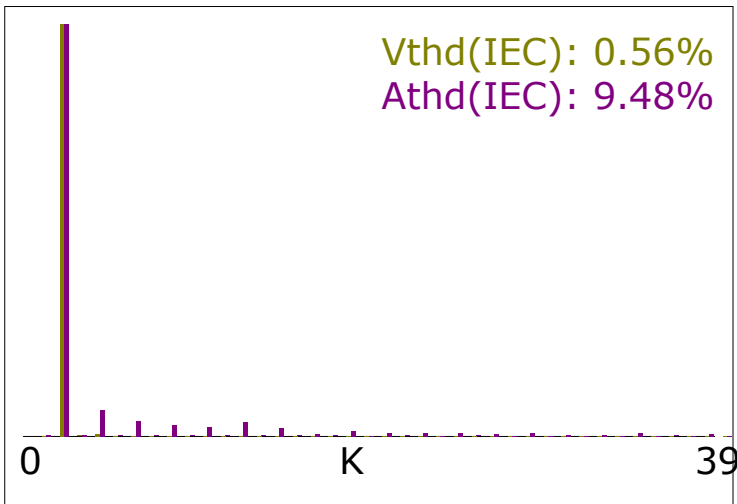
Type:LED 0120.W.A231.6.60054.300mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-10-24

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



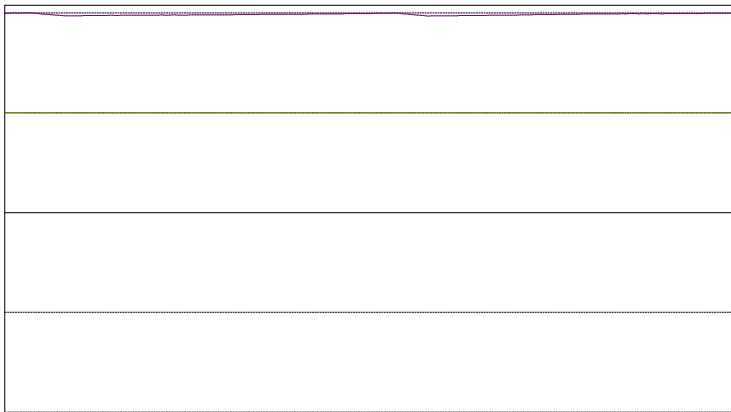
Voltage: 230.091(V)
 VCF: 1.420
 Vthd(IEC): 0.56%
 Current: 0.058(A)
 ACF: 1.490
 Athd(IEC): 9.48%
 Power: 13.1(W)
 Power Factor: 0.9789
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.49%
 H5: 0.02%
 H7: 0.04%
 H9: 0.01%

Current Spectrum
 H3: 6.34%
 H5: 3.59%
 H7: 2.70%
 H9: 2.31%

Output characteristics



Lamp Voltage(rms):36.63V
 Lamp Current(rms):0.3037A
 Power:11.13W
 Ripple Current:0.000A
 Energy Efficiency:0.850