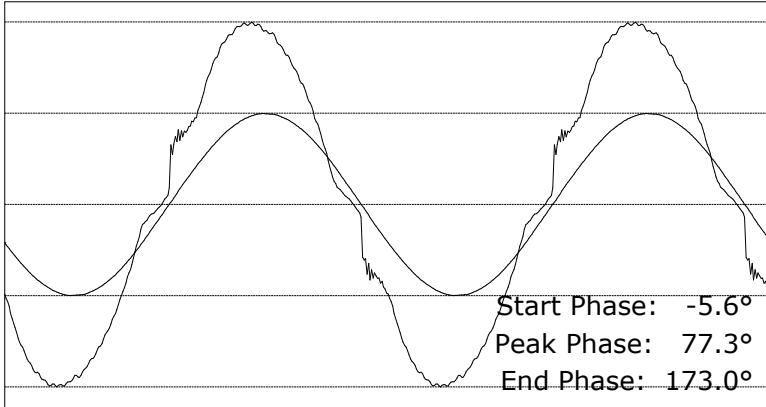
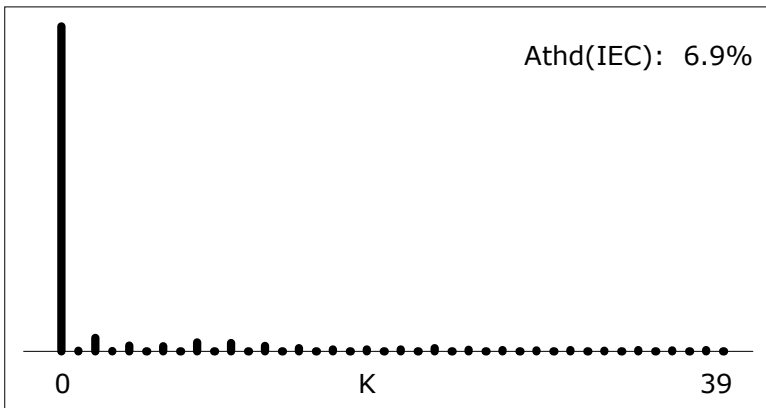
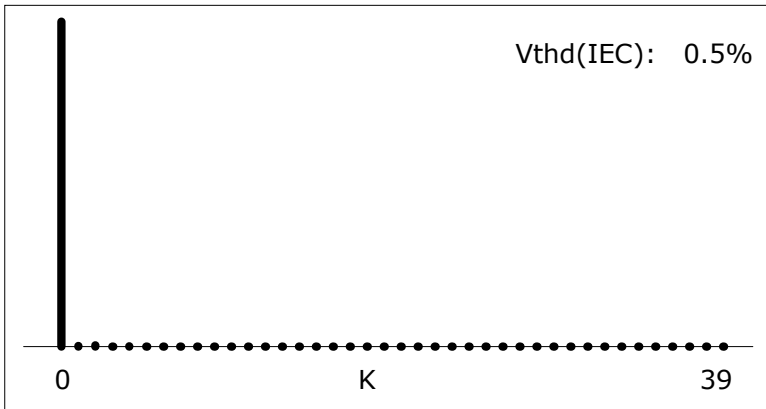


### Input Characteristics Test Report [Narrow Band]

Voltage 229.34(V)      Current 0.1114(A)      Power 24.93(W)      Power Factor 0.9760      Frequency 50.00(Hz)



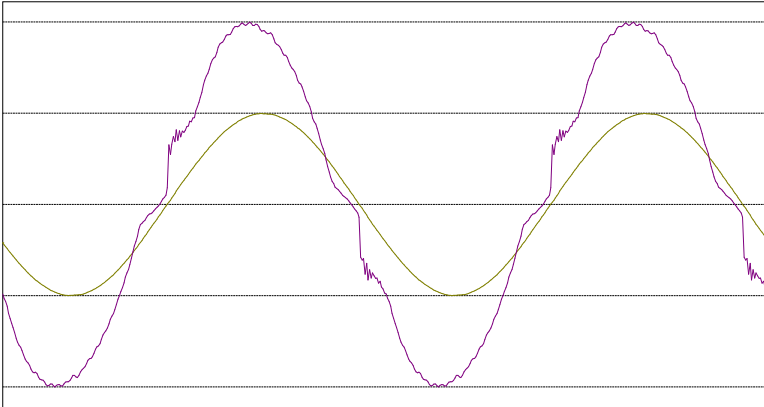
Spectrum(k)	Voltage	Current
0	0.0%	0.0%
1	100.0%	100.0%
2	0.2%	0.3%
3	0.4%	4.2%
4	0.1%	0.1%
5	0.1%	1.8%
6	0.0%	0.0%
7	0.1%	1.6%
8	0.0%	0.1%
9	0.0%	2.9%
10	0.0%	0.1%
11	0.1%	2.7%
12	0.0%	0.1%
13	0.1%	1.7%
14	0.0%	0.0%
15	0.1%	1.1%
16	0.0%	0.0%
17	0.0%	0.6%
18	0.0%	0.0%
19	0.0%	0.7%
20	0.0%	0.0%
21	0.1%	0.7%
22	0.0%	0.1%
23	0.0%	1.0%
24	0.0%	0.1%
25	0.1%	0.6%
26	0.0%	0.0%
27	0.0%	0.5%
28	0.0%	0.0%
29	0.0%	0.3%
30	0.0%	0.0%
31	0.0%	0.4%
32	0.0%	0.0%
33	0.0%	0.2%
34	0.0%	0.0%
35	0.0%	0.4%
36	0.0%	0.0%
37	0.0%	0.3%
38	0.0%	0.0%
39	0.0%	0.4%



Type:LED 0122.W.A531.6.60055.600mA      Number:1  
 Manufacturer: Brasled  
 Temperature:25iãC      Humidity:60%  
 Test Instrument: Lisun WT2080 LED Power Driver Tester  
 Operator:      Inspector:  
 Test Time:2016-10-25

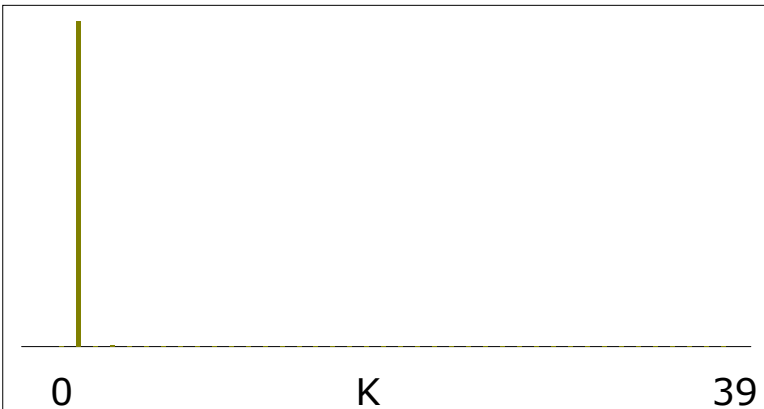
### Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
229.34(V)	0.1114(A)	24.93(W)	0.9760	50.00(Hz)

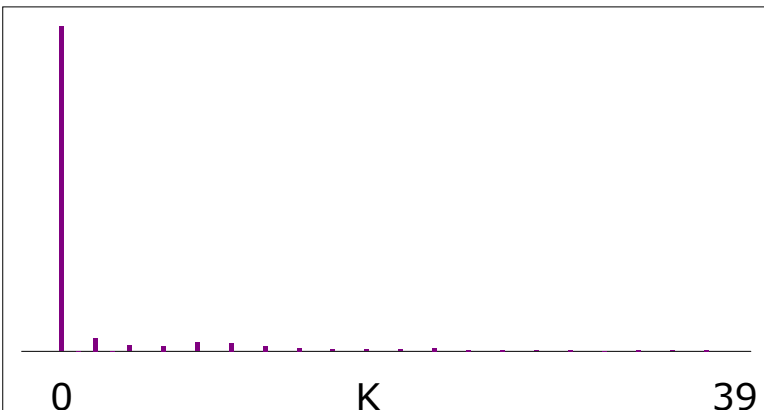


**Voltage**  
Sensitivity: 325.76 V/Div  
Peak: 325.76 V

**Current**  
Sensitivity: 0.0815 A  
Peak: 0.1630 A  
Start Phase: -5.6°  
Peak Phase: 77.3°  
End Phase: 173.0°



**Voltage Spectrum**  
THD(IEC): 0.55%  
H3: 0.44%  
H5: 0.11%  
H7: 0.05%  
H9: 0.04%



**Current Spectrum**  
THD(IEC): 6.9%  
H3: 4.22%  
H5: 1.79%  
H7: 1.65%  
H9: 2.86%

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

Voltage: 229.34(V)  
 VCF: 1.420  
 Vthd(IEC): 0.55%

Current: 0.1114(A)  
 ACF: 1.463  
 Athd(IEC): 6.92%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.02%	0.06
1	100.00%	229.34
2	0.21%	0.49
3	0.44%	1.01
4	0.09%	0.21
5	0.11%	0.26
6	0.02%	0.04
7	0.05%	0.12
8	0.01%	0.03
9	0.04%	0.09
10	0.01%	0.02
11	0.06%	0.14
12	0.01%	0.02
13	0.07%	0.16
14	0.01%	0.02
15	0.07%	0.16
16	0.00%	0.00
17	0.01%	0.03
18	0.00%	0.00
19	0.02%	0.05
20	0.00%	0.00
21	0.05%	0.12
22	0.00%	0.00
23	0.05%	0.11
24	0.01%	0.01
25	0.09%	0.21
26	0.01%	0.02
27	0.05%	0.11
28	0.01%	0.02
29	0.04%	0.09
30	0.01%	0.01
31	0.01%	0.03
32	0.00%	0.01
33	0.03%	0.07
34	0.00%	0.01
35	0.01%	0.03
36	0.00%	0.01
37	0.02%	0.05
38	0.00%	0.01
39	0.01%	0.03

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.05%	0.00
1	100.00%	4.46
2	0.26%	0.01
3	4.22%	0.19
4	0.12%	0.01
5	1.79%	0.08
6	0.03%	0.00
7	1.65%	0.07
8	0.09%	0.00
9	2.86%	0.13
10	0.06%	0.00
11	2.66%	0.12
12	0.06%	0.00
13	1.71%	0.08
14	0.04%	0.00
15	1.05%	0.05
16	0.03%	0.00
17	0.61%	0.03
18	0.03%	0.00
19	0.67%	0.03
20	0.04%	0.00
21	0.68%	0.03
22	0.06%	0.00
23	1.02%	0.05
24	0.06%	0.00
25	0.55%	0.02
26	0.03%	0.00
27	0.49%	0.02
28	0.00%	0.00
29	0.30%	0.01
30	0.02%	0.00
31	0.40%	0.02
32	0.01%	0.00
33	0.24%	0.01
34	0.02%	0.00
35	0.43%	0.02
36	0.03%	0.00
37	0.34%	0.02
38	0.03%	0.00
39	0.40%	0.02

Type:LED 0122.W.A531.6.60055.600mA    Number:1  
 Manufacturer: Brasled  
 Temperature:25iãC    Humidity:60%  
 Test Instrument: Lisun WT2080 LED Power Driver Tester  
 Operator:    Inspector:  
 Test Time:2016-10-25

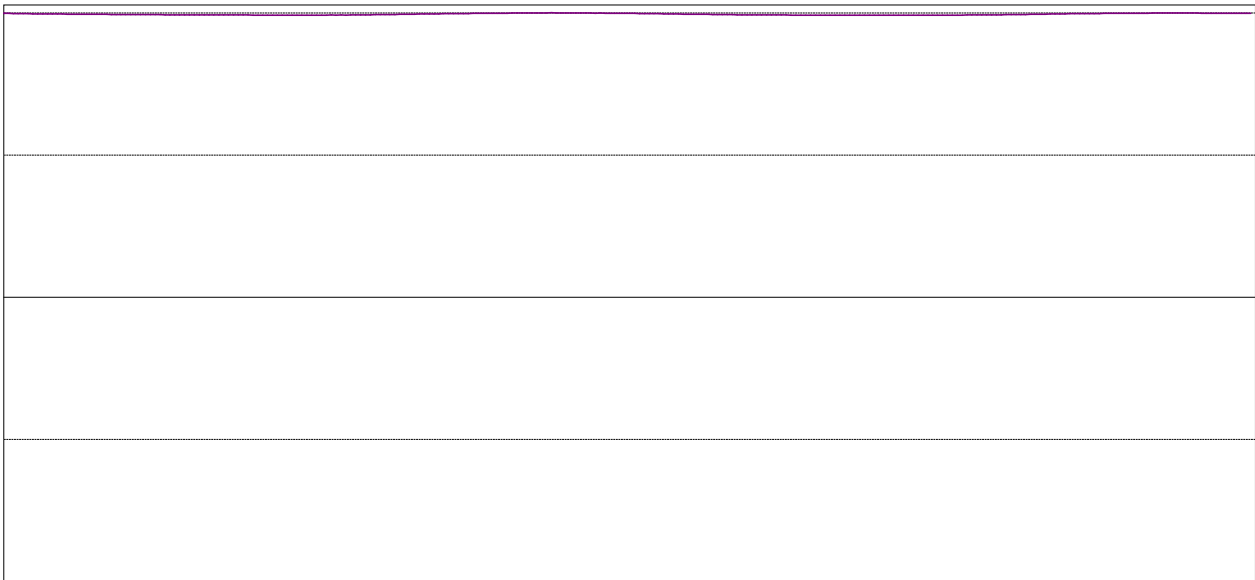
### Output

Lamp Voltage(rms):37.87V      Lamp Current(rms):0.5885A  
Power:22.29W      Ripple Current:0.000A      Energy Efficiency:0.895

#### Lamp Voltage Wave



#### Lamp Current Wave

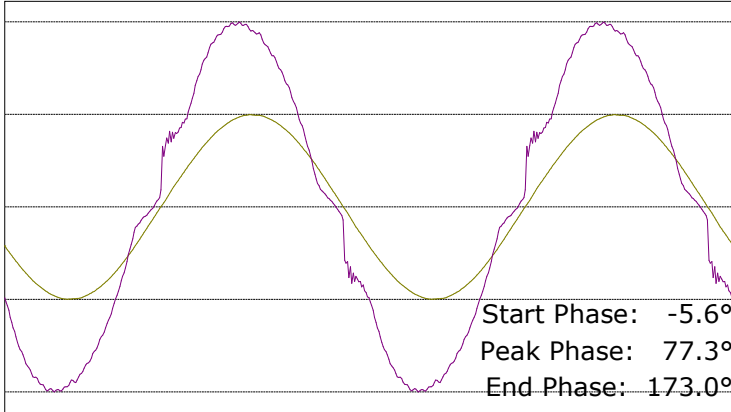


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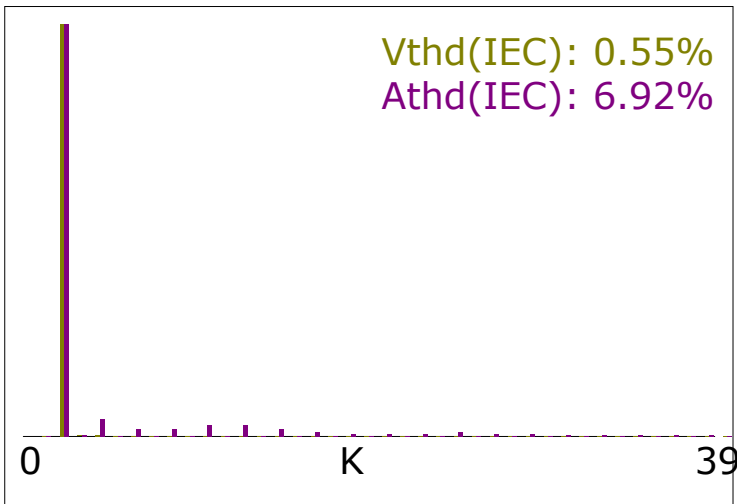
Type:LED 0122.W.A531.6.60055.600mA      Number:1  
Manufacturer: Brasled  
Temperature:25iãC      Humidity:60%  
Test Instrument: Lisun WT2080 LED Power Driver Tester  
Operator:      Inspector:  
Test Time:2016-10-25

# Input & Output Characteristics Test Report

## Input Characteristics Test Report [Narrow Band]



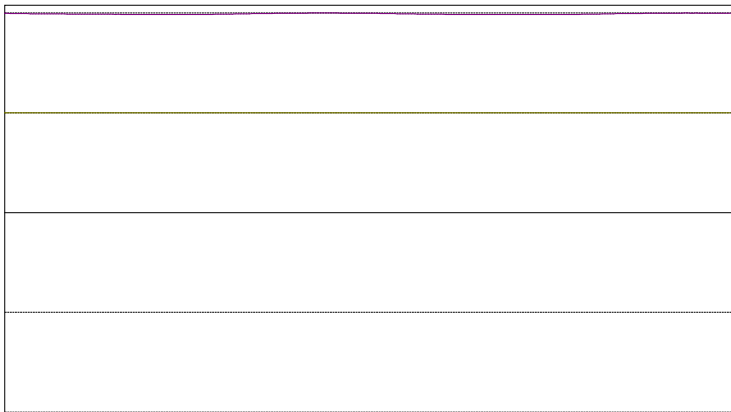
Voltage: 229.344(V)  
VCF: 1.420  
Vthd(IEC): 0.55%  
Current: 0.111(A)  
ACF: 1.463  
Athd(IEC): 6.92%  
Power: 24.9(W)  
Power Factor: 0.9760  
Frequency: 50.00(Hz)



Voltage Spectrum  
H3: 0.44%  
H5: 0.11%  
H7: 0.05%  
H9: 0.04%

Current Spectrum  
H3: 4.22%  
H5: 1.79%  
H7: 1.65%  
H9: 2.86%

## Output characteristics



Lamp Voltage(rms):37.87V  
Lamp Current(rms):0.5885A  
Power:22.29W  
Ripple Current:0.000A  
Energy Efficiency:0.895