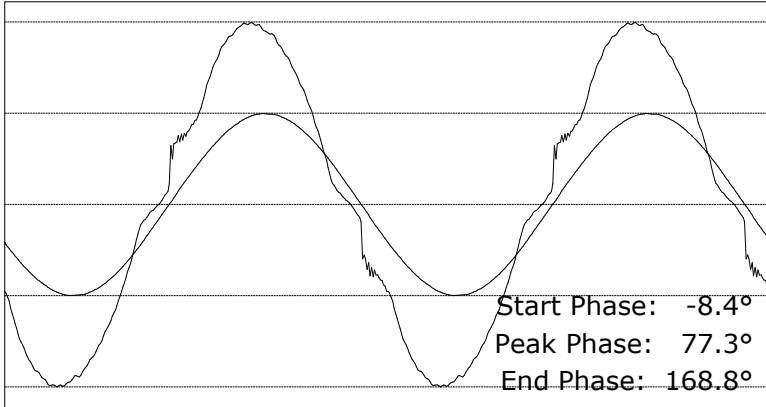
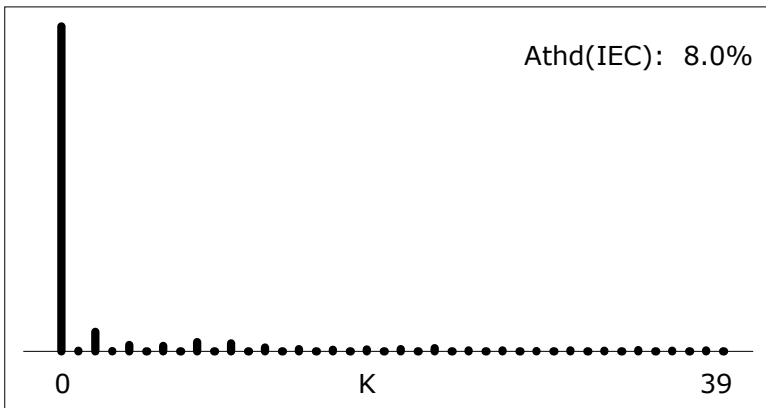
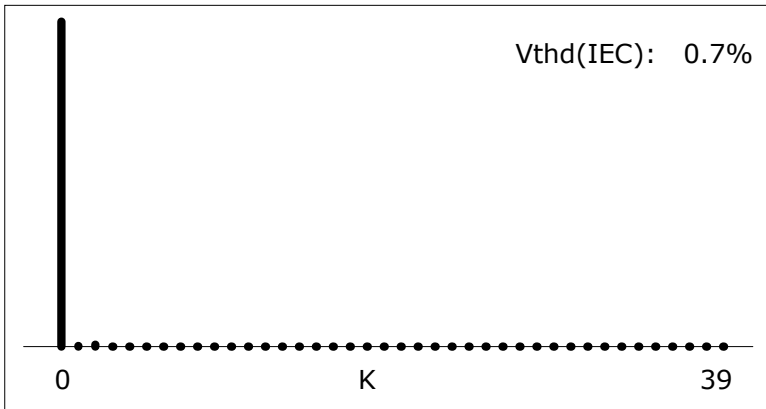


Input Characteristics Test Report [Narrow Band]

Voltage 232.52(V)      Current 0.1101(A)      Power 24.91(W)      Power Factor 0.9733      Frequency 50.00(Hz)



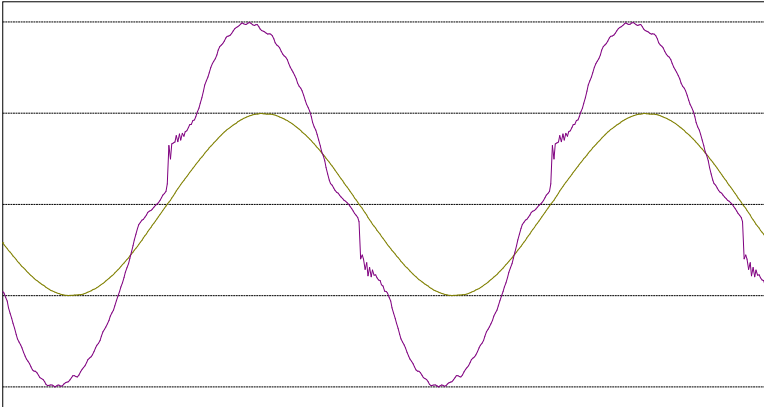
Spectrum(k)	Voltage	Current
0	0.0%	0.2%
1	100.0%	100.0%
2	0.2%	0.2%
3	0.6%	6.1%
4	0.1%	0.1%
5	0.1%	2.0%
6	0.0%	0.0%
7	0.1%	1.7%
8	0.0%	0.1%
9	0.0%	2.9%
10	0.0%	0.1%
11	0.1%	2.5%
12	0.0%	0.1%
13	0.1%	1.2%
14	0.0%	0.0%
15	0.1%	0.7%
16	0.0%	0.0%
17	0.0%	0.5%
18	0.0%	0.0%
19	0.0%	0.6%
20	0.0%	0.0%
21	0.1%	0.7%
22	0.0%	0.0%
23	0.1%	1.0%
24	0.0%	0.0%
25	0.1%	0.3%
26	0.0%	0.0%
27	0.0%	0.3%
28	0.0%	0.0%
29	0.0%	0.2%
30	0.0%	0.0%
31	0.0%	0.3%
32	0.0%	0.0%
33	0.0%	0.3%
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%	0.3%



Type:LED 0122.W.U541.6.60076.600mA      Number:1  
 Manufacturer: Brasled  
 Temperature:25iãC      Humidity:60%  
 Test Instrument: Lisun WT2080 LED Power Driver Tester  
 Operator:      Inspector:  
 Test Time:2016-11-16

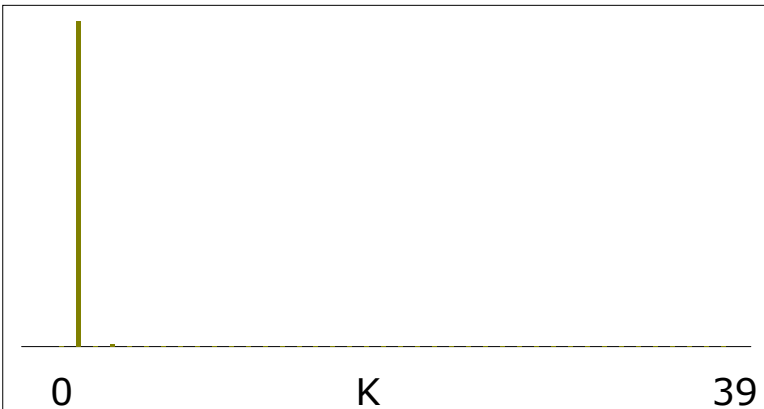
### Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
232.52(V)	0.1101(A)	24.91(W)	0.9733	50.00(Hz)

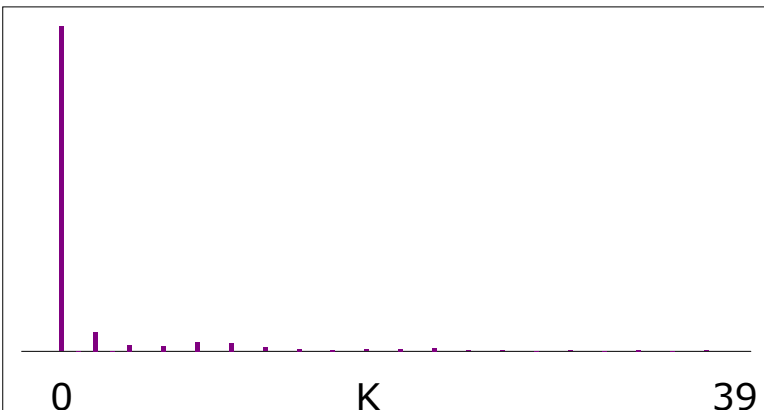


**Voltage**  
Sensitivity: 331.03 V/Div  
Peak: 331.03 V

**Current**  
Sensitivity: 0.0816 A  
Peak: 0.1632 A  
Start Phase: -8.4°  
Peak Phase: 77.3°  
End Phase: 168.8°



**Voltage Spectrum**  
THD(IEC): 0.71%  
H3: 0.63%  
H5: 0.06%  
H7: 0.06%  
H9: 0.03%



**Current Spectrum**  
THD(IEC): 8.0%  
H3: 6.05%  
H5: 2.04%  
H7: 1.73%  
H9: 2.87%

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

Voltage: 232.52(V)  
 VCF: 1.424  
 Vthd(IEC): 0.71%

Current: 0.1101(A)  
 ACF: 1.482  
 Athd(IEC): 8.01%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.08
1	100.00%	232.52
2	0.23%	0.54
3	0.63%	1.46
4	0.09%	0.22
5	0.06%	0.15
6	0.02%	0.04
7	0.06%	0.14
8	0.01%	0.03
9	0.03%	0.08
10	0.01%	0.02
11	0.09%	0.22
12	0.01%	0.02
13	0.06%	0.13
14	0.01%	0.01
15	0.07%	0.16
16	0.00%	0.00
17	0.03%	0.07
18	0.00%	0.00
19	0.02%	0.04
20	0.00%	0.01
21	0.05%	0.12
22	0.01%	0.01
23	0.06%	0.14
24	0.01%	0.01
25	0.08%	0.20
26	0.01%	0.01
27	0.03%	0.08
28	0.01%	0.02
29	0.03%	0.07
30	0.00%	0.01
31	0.01%	0.03
32	0.00%	0.01
33	0.03%	0.06
34	0.00%	0.01
35	0.02%	0.04
36	0.00%	0.01
37	0.02%	0.04
38	0.00%	0.01
39	0.01%	0.02

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.20%	0.01
1	100.00%	4.40
2	0.20%	0.01
3	6.05%	0.27
4	0.11%	0.00
5	2.04%	0.09
6	0.04%	0.00
7	1.73%	0.08
8	0.07%	0.00
9	2.87%	0.13
10	0.05%	0.00
11	2.51%	0.11
12	0.06%	0.00
13	1.24%	0.05
14	0.03%	0.00
15	0.70%	0.03
16	0.02%	0.00
17	0.50%	0.02
18	0.02%	0.00
19	0.62%	0.03
20	0.04%	0.00
21	0.69%	0.03
22	0.05%	0.00
23	1.00%	0.04
24	0.04%	0.00
25	0.34%	0.02
26	0.03%	0.00
27	0.33%	0.01
28	0.02%	0.00
29	0.18%	0.01
30	0.02%	0.00
31	0.34%	0.02
32	0.00%	0.00
33	0.27%	0.01
34	0.01%	0.00
35	0.41%	0.02
36	0.04%	0.00
37	0.28%	0.01
38	0.05%	0.00
39	0.32%	0.01

Type:LED 0122.W.U541.6.60076.600mA    Number:1  
 Manufacturer: Brasled  
 Temperature:25iãC    Humidity:60%  
 Test Instrument: Lisun WT2080 LED Power Driver Tester  
 Operator:    Inspector:  
 Test Time:2016-11-16

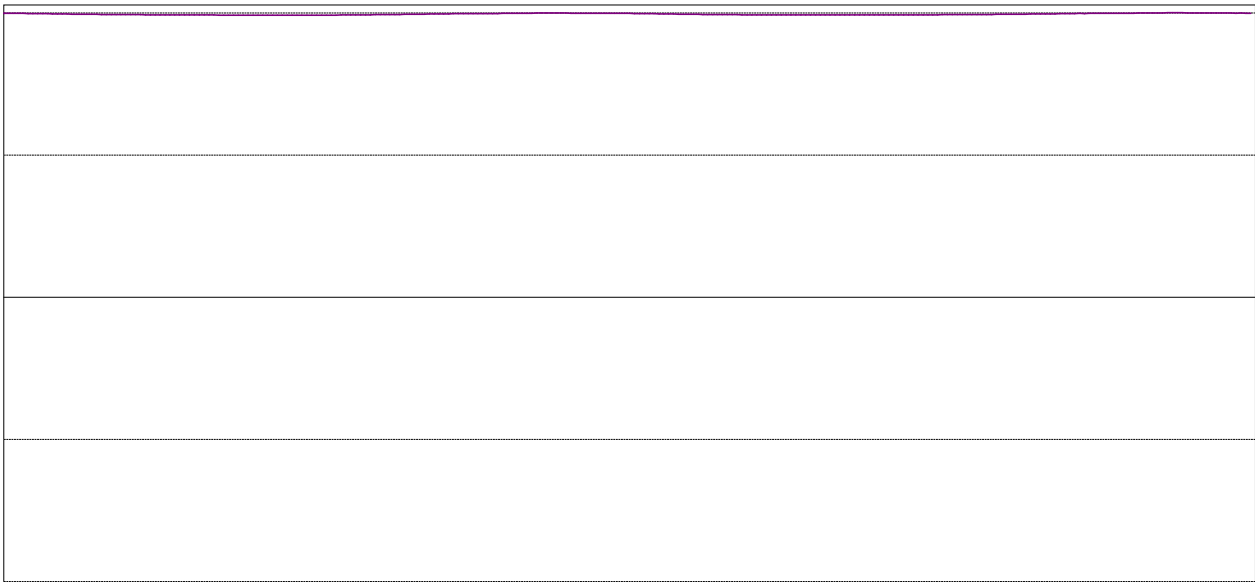
### Output

Lamp Voltage(rms):38.13V      Lamp Current(rms):0.5857A  
Power:22.33W      Ripple Current:0.000A      Energy Efficiency:0.895

#### Lamp Voltage Wave



#### Lamp Current Wave

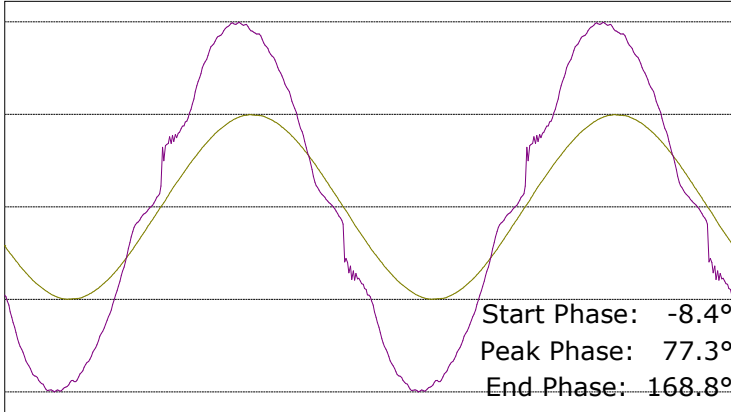


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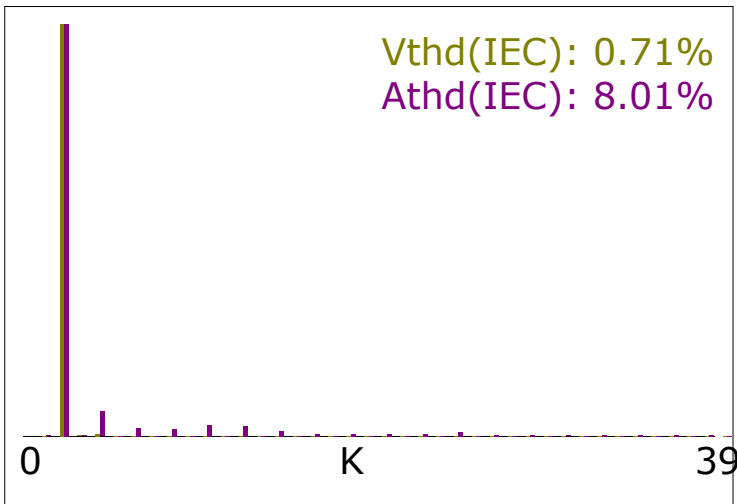
Type:LED 0122.W.U541.6.60076.600mA      Number:1  
Manufacturer: Brasled  
Temperature:25iãC      Humidity:60%  
Test Instrument: Lisun WT2080 LED Power Driver Tester  
Operator:      Inspector:  
Test Time:2016-11-16

# Input & Output Characteristics Test Report

## Input Characteristics Test Report [Narrow Band]



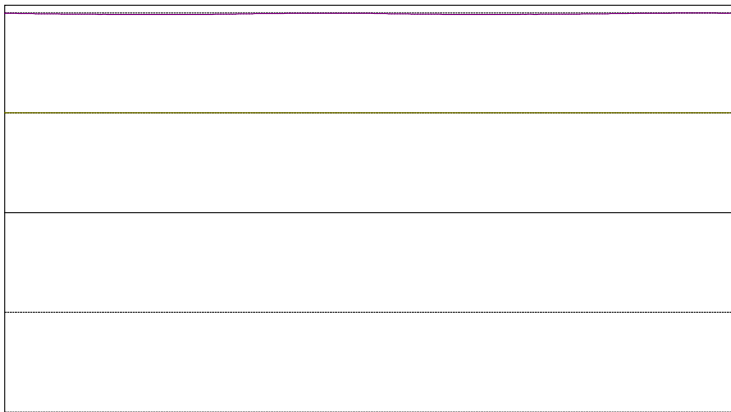
Voltage: 232.519(V)  
VCF: 1.424  
Vthd(IEC): 0.71%  
Current: 0.110(A)  
ACF: 1.482  
Athd(IEC): 8.01%  
Power: 24.9(W)  
Power Factor: 0.9733  
Frequency: 50.00(Hz)



Voltage Spectrum  
H3: 0.63%  
H5: 0.06%  
H7: 0.06%  
H9: 0.03%

Current Spectrum  
H3: 6.05%  
H5: 2.04%  
H7: 1.73%  
H9: 2.87%

## Output characteristics



Lamp Voltage(rms):38.13V  
Lamp Current(rms):0.5857A  
Power:22.33W  
Ripple Current:0.000A  
Energy Efficiency:0.895