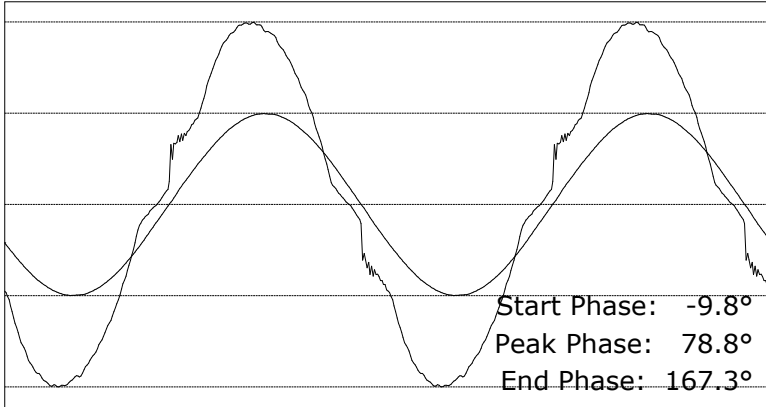
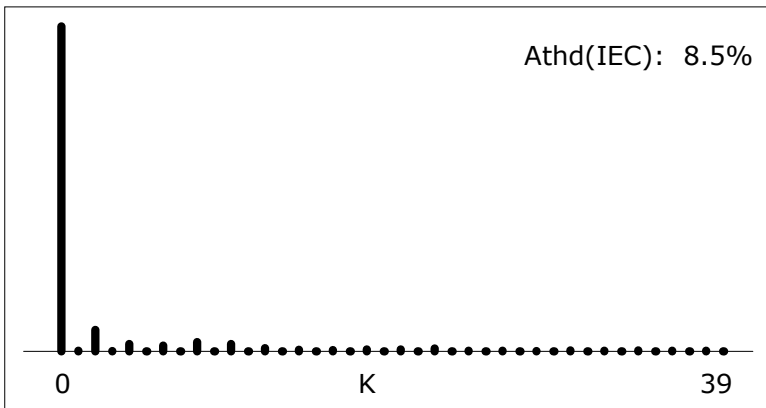
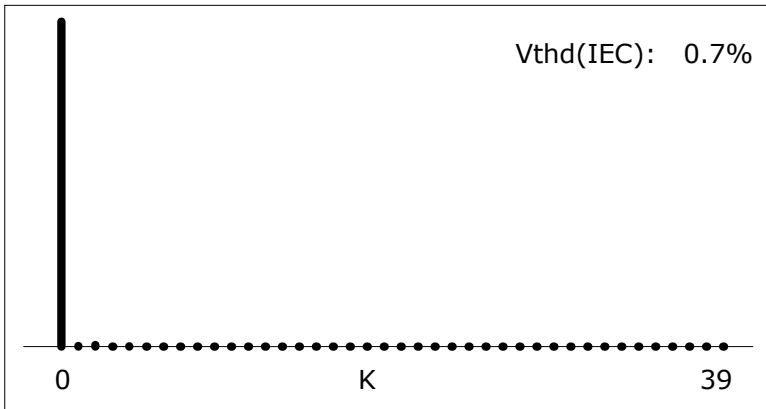


### Input Characteristics Test Report [Narrow Band]

Voltage 232.60(V)      Current 0.1074(A)      Power 24.29(W)      Power Factor 0.9722      Frequency 50.00(Hz)



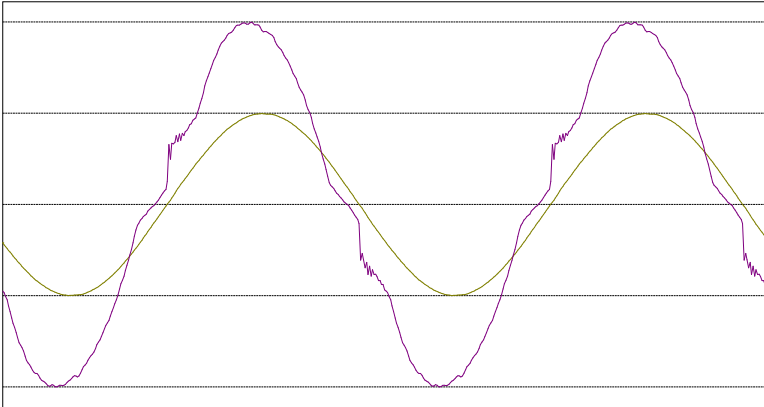
Spectrum(k)	Voltage	Current
0	0.0%	0.1%
1	100.0%	100.0%
2	0.2%	0.2%
3	0.6%	6.7%
4	0.1%	0.1%
5	0.1%	2.3%
6	0.0%	0.0%
7	0.0%	1.8%
8	0.0%	0.1%
9	0.1%	2.9%
10	0.0%	0.0%
11	0.1%	2.3%
12	0.0%	0.0%
13	0.0%	1.1%
14	0.0%	0.0%
15	0.1%	0.6%
16	0.0%	0.0%
17	0.0%	0.4%
18	0.0%	0.0%
19	0.0%	0.6%
20	0.0%	0.0%
21	0.1%	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%	0.1%
30	0.0%	0.0%
31	0.0%	0.4%
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 0121.W.A531.6.60075.600mA      Number:1  
 Manufacturer: Brasled  
 Temperature:25iãC      Humidity:60%  
 Test Instrument: Lisun WT2080 LED Power Driver Tester  
 Operator:      Inspector:  
 Test Time:2016-11-16

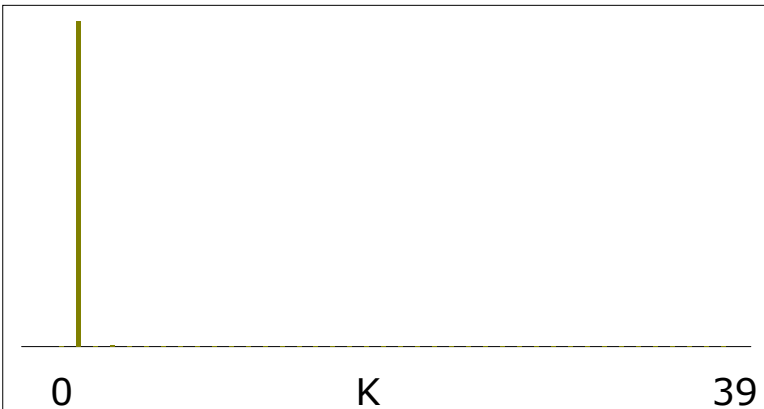
### Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
232.60(V)	0.1074(A)	24.29(W)	0.9722	50.00(Hz)

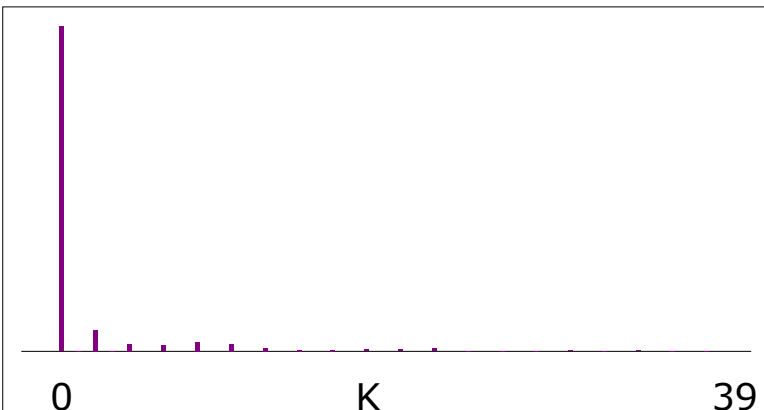


**Voltage**  
Sensitivity: 331.00 V/Div  
Peak: 331.00 V

**Current**  
Sensitivity: 0.0795 A  
Peak: 0.1591 A  
Start Phase: -9.8°  
Peak Phase: 78.8°  
End Phase: 167.3°



**Voltage Spectrum**  
THD(IEC): 0.67%  
H3: 0.59%  
H5: 0.11%  
H7: 0.05%  
H9: 0.07%



**Current Spectrum**  
THD(IEC): 8.5%  
H3: 6.67%  
H5: 2.29%  
H7: 1.79%  
H9: 2.93%

Type:LED 0121.W.A531.6.60075.600mA	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] (Cont.)

Voltage: 232.60(V)  
 VCF: 1.423  
 Vthd(IEC): 0.67%

Current: 0.1074(A)  
 ACF: 1.481  
 Athd(IEC): 8.47%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.08
1	100.00%	232.60
2	0.22%	0.52
3	0.59%	1.37
4	0.09%	0.21
5	0.11%	0.26
6	0.01%	0.03
7	0.05%	0.11
8	0.01%	0.03
9	0.07%	0.16
10	0.01%	0.02
11	0.07%	0.16
12	0.01%	0.02
13	0.03%	0.08
14	0.01%	0.02
15	0.08%	0.18
16	0.00%	0.00
17	0.03%	0.06
18	0.00%	0.00
19	0.02%	0.04
20	0.00%	0.00
21	0.05%	0.12
22	0.01%	0.03
23	0.06%	0.13
24	0.01%	0.03
25	0.08%	0.19
26	0.01%	0.01
27	0.03%	0.07
28	0.01%	0.01
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	0.01%	0.03
36	0.00%	0.01
37	0.02%	0.04
38	0.00%	0.00
39	0.01%	0.02

Current Spectrum

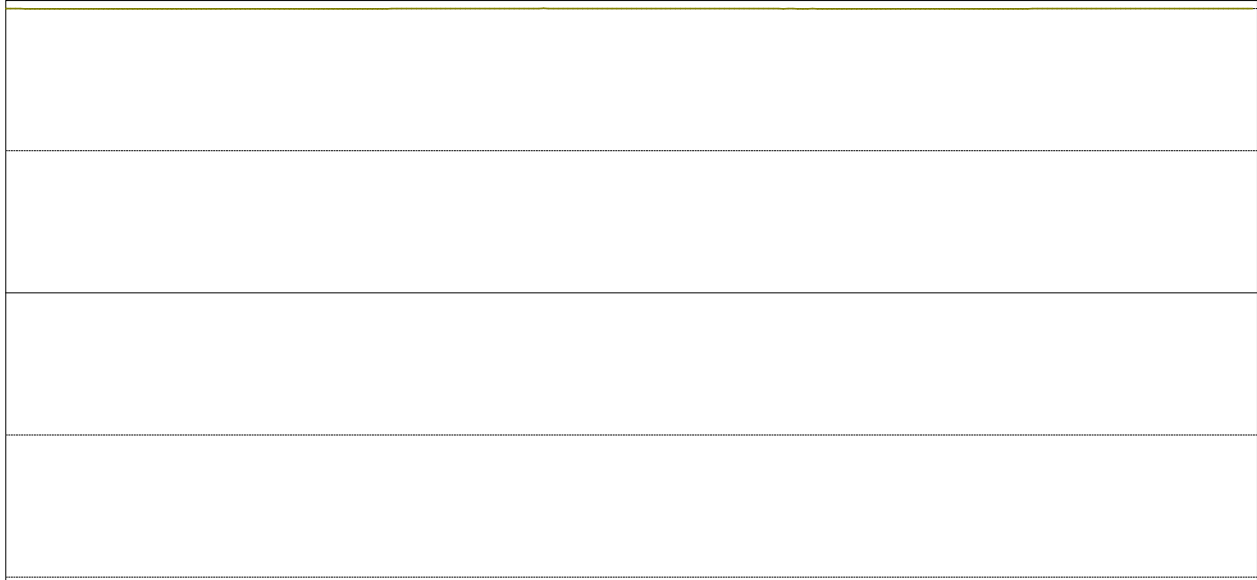
Spectrum(k)	Rel.	Abs.(mA/W)
0	0.08%	0.00
1	100.00%	4.40
2	0.25%	0.01
3	6.67%	0.29
4	0.11%	0.00
5	2.29%	0.10
6	0.02%	0.00
7	1.79%	0.08
8	0.07%	0.00
9	2.93%	0.13
10	0.04%	0.00
11	2.30%	0.10
12	0.05%	0.00
13	1.08%	0.05
14	0.03%	0.00
15	0.58%	0.03
16	0.02%	0.00
17	0.44%	0.02
18	0.01%	0.00
19	0.64%	0.03
20	0.03%	0.00
21	0.68%	0.03
22	0.03%	0.00
23	0.98%	0.04
24	0.02%	0.00
25	0.29%	0.01
26	0.02%	0.00
27	0.28%	0.01
28	0.02%	0.00
29	0.15%	0.01
30	0.01%	0.00
31	0.36%	0.02
32	0.02%	0.00
33	0.26%	0.01
34	0.00%	0.00
35	0.38%	0.02
36	0.02%	0.00
37	0.27%	0.01
38	0.02%	0.00
39	0.28%	0.01

Type:LED 0121.W.A531.6.60075.600mA    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):37.64V      Lamp Current(rms):0.5783A  
Power:21.77W      Ripple Current:0.000A      Energy Efficiency:0.896

#### Lamp Voltage Wave



#### Lamp Current Wave

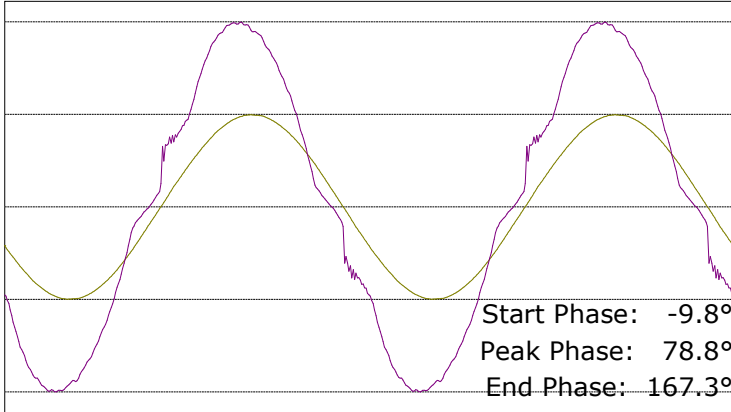


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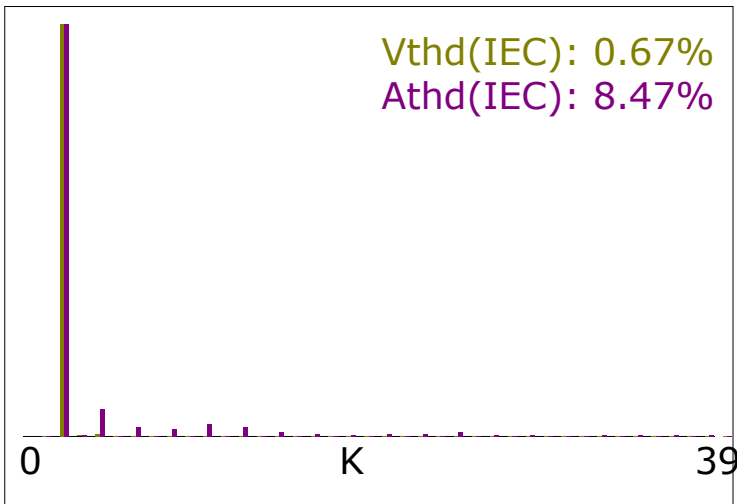
Type:LED 0121.W.A531.6.60075.600mA      Number:1  
Manufacturer: Brasled  
Temperature:25iãC      Humidity:60%  
Test Instrument: Lisun WT2080 LED Power Driver Tester  
Operator:      Inspector:  
Test Time:2016-11-16

# Input & Output Characteristics Test Report

## Input Characteristics Test Report [Narrow Band]



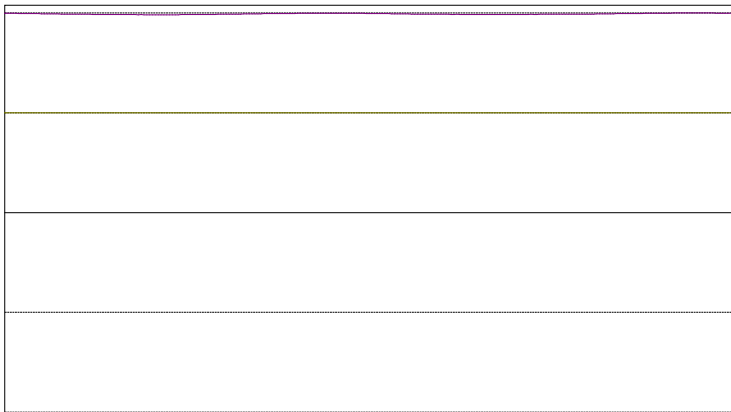
Voltage: 232.598(V)  
 VCF: 1.423  
 Vthd(IEC): 0.67%  
 Current: 0.107(A)  
 ACF: 1.481  
 Athd(IEC): 8.47%  
 Power: 24.3(W)  
 Power Factor: 0.9722  
 Frequency: 50.00(Hz)



Voltage Spectrum  
 H3: 0.59%  
 H5: 0.11%  
 H7: 0.05%  
 H9: 0.07%

Current Spectrum  
 H3: 6.67%  
 H5: 2.29%  
 H7: 1.79%  
 H9: 2.93%

## Output characteristics



Lamp Voltage(rms):37.64V  
 Lamp Current(rms):0.5783A  
 Power:21.77W  
 Ripple Current:0.000A  
 Energy Efficiency:0.896