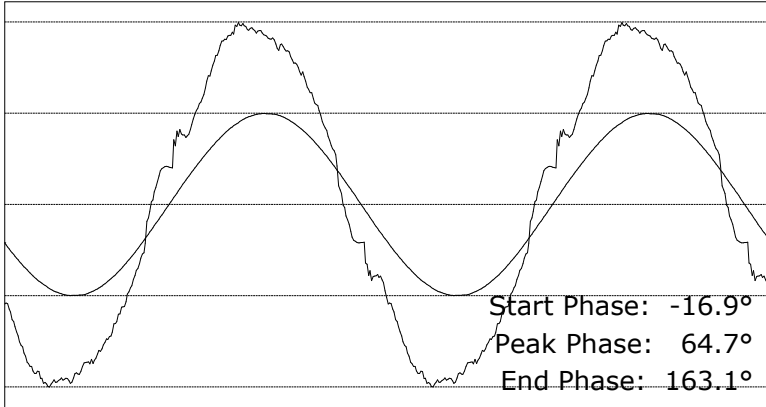
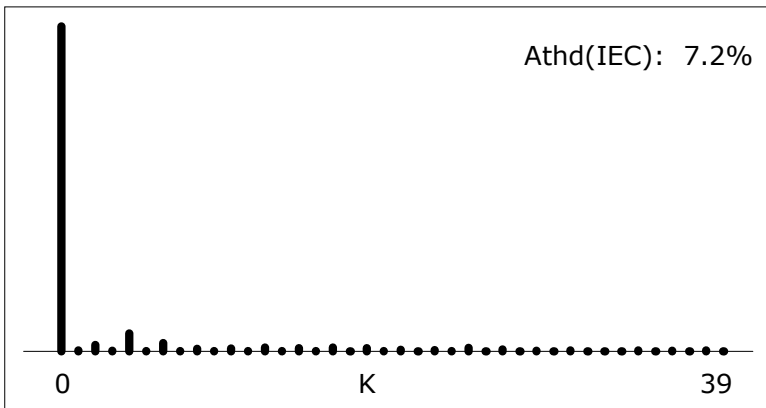
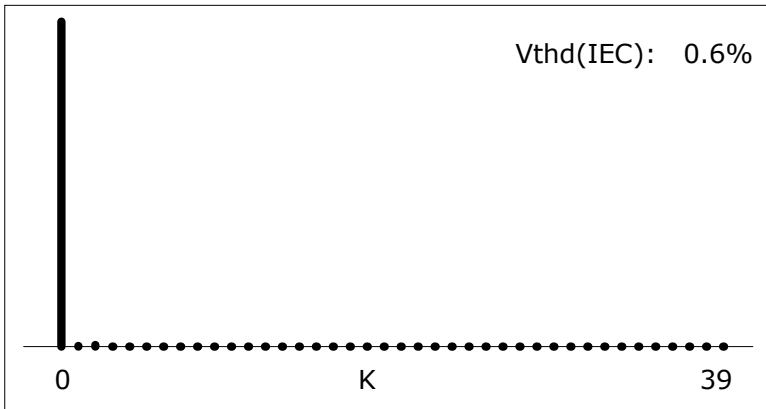


Input Characteristics Test Report [Narrow Band]

Voltage 233.21(V)      Current 0.0743(A)      Power 16.93(W)      Power Factor 0.9779      Frequency 50.00(Hz)



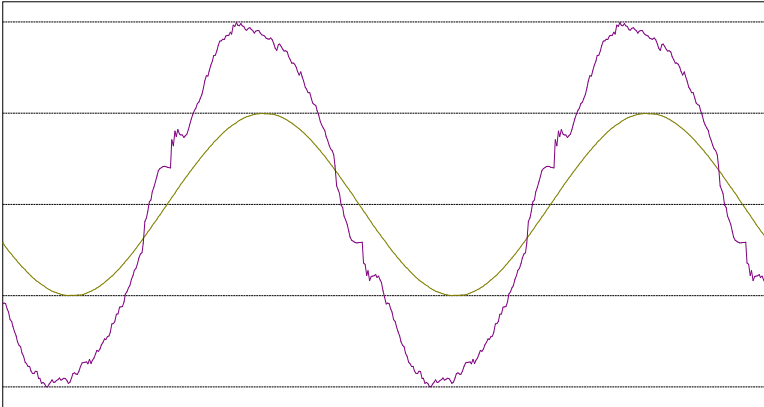
Spectrum(k)	Voltage	Current
0	0.0%	0.2%
1	100.0%	100.0%
2	0.2%	0.4%
3	0.5%	2.0%
4	0.1%	0.2%
5	0.0%	5.5%
6	0.0%	0.2%
7	0.1%	2.6%
8	0.0%	0.1%
9	0.0%	0.8%
10	0.0%	0.1%
11	0.1%	0.9%
12	0.0%	0.1%
13	0.0%	1.2%
14	0.0%	0.1%
15	0.1%	1.0%
16	0.0%	0.1%
17	0.0%	1.2%
18	0.0%	0.1%
19	0.0%	1.0%
20	0.0%	0.1%
21	0.0%	0.5%
22	0.0%	0.1%
23	0.0%	0.4%
24	0.0%	0.1%
25	0.1%	1.1%
26	0.0%	0.0%
27	0.0%	0.7%
28	0.0%	0.1%
29	0.0%	0.3%
30	0.0%	0.1%
31	0.0%	0.4%
32	0.0%	0.0%
33	0.0%	0.0%
34	0.0%	0.0%
35	0.0%	0.3%
36	0.0%	0.0%
37	0.0%	0.3%
38	0.0%	0.0%
39	0.0%	0.3%



Type:LED 0112.W.A311.6.60061.400mA      Number:1  
 Manufacturer: Brasled  
 Temperature:25iãC      Humidity:60%  
 Test Instrument: Lisun WT2080 LED Power Driver Tester  
 Operator:      Inspector:  
 Test Time:2016-10-31

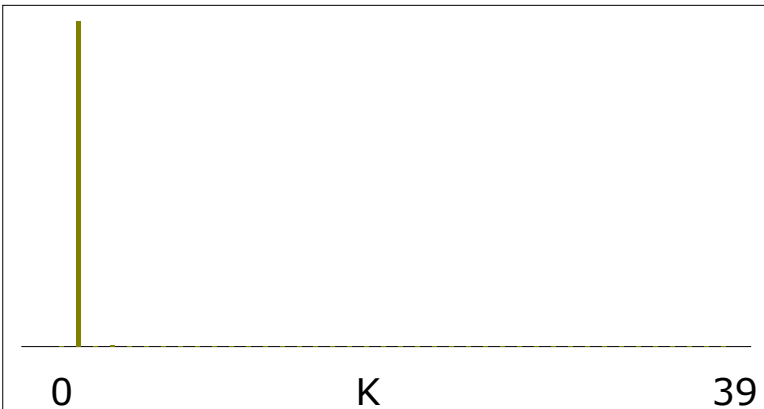
### Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
233.21(V)	0.0743(A)	16.93(W)	0.9779	50.00(Hz)

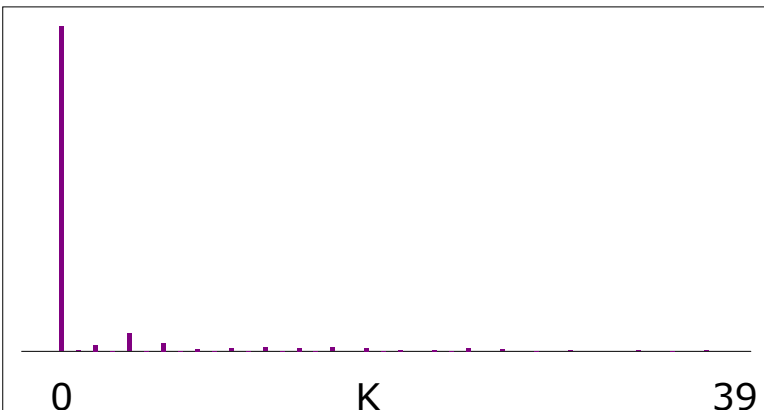


**Voltage**  
Sensitivity: 330.72 V/Div  
Peak: 330.72 V

**Current**  
Sensitivity: 0.0534 A  
Peak: 0.1068 A  
Start Phase: -16.9°  
Peak Phase: 64.7°  
End Phase: 163.1°



**Voltage Spectrum**  
THD(IEC): 0.59%  
H3: 0.51%  
H5: 0.04%  
H7: 0.08%  
H9: 0.02%



**Current Spectrum**  
THD(IEC): 7.2%  
H3: 1.97%  
H5: 5.53%  
H7: 2.60%  
H9: 0.85%

Type:LED 0112.W.A311.6.60061.400mA	Number:1
Manufacturer: Brasled	
Temperature:25iãC	Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester	
Operator:	Inspector:
Test Time:2016-10-31	

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

Voltage: 233.21(V)

VCF: 1.418

Vthd(IEC): 0.59%

## Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.06
1	100.00%	233.19
2	0.21%	0.49
3	0.51%	1.20
4	0.09%	0.20
5	0.04%	0.09
6	0.01%	0.02
7	0.08%	0.19
8	0.01%	0.02
9	0.02%	0.05
10	0.01%	0.03
11	0.07%	0.17
12	0.01%	0.02
13	0.04%	0.09
14	0.01%	0.02
15	0.06%	0.14
16	0.00%	0.01
17	0.01%	0.02
18	0.00%	0.01
19	0.01%	0.02
20	0.00%	0.01
21	0.04%	0.10
22	0.01%	0.03
23	0.04%	0.10
24	0.01%	0.01
25	0.08%	0.19
26	0.01%	0.01
27	0.04%	0.09
28	0.01%	0.02
29	0.02%	0.05
30	0.00%	0.01
31	0.00%	0.01
32	0.00%	0.01
33	0.02%	0.04
34	0.00%	0.00
35	0.00%	0.01
36	0.00%	0.00
37	0.01%	0.01
38	0.00%	0.00
39	0.01%	0.03

Current: 0.0743(A)

ACF: 1.438

Athd(IEC): 7.21%

## Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.22%	0.01
1	100.00%	4.37
2	0.36%	0.02
3	1.97%	0.09
4	0.24%	0.01
5	5.53%	0.24
6	0.18%	0.01
7	2.60%	0.11
8	0.10%	0.00
9	0.85%	0.04
10	0.12%	0.01
11	0.92%	0.04
12	0.13%	0.01
13	1.22%	0.05
14	0.10%	0.00
15	1.02%	0.04
16	0.13%	0.01
17	1.18%	0.05
18	0.07%	0.00
19	0.99%	0.04
20	0.12%	0.01
21	0.50%	0.02
22	0.09%	0.00
23	0.45%	0.02
24	0.12%	0.01
25	1.14%	0.05
26	0.04%	0.00
27	0.68%	0.03
28	0.08%	0.00
29	0.28%	0.01
30	0.07%	0.00
31	0.36%	0.02
32	0.02%	0.00
33	0.04%	0.00
34	0.03%	0.00
35	0.34%	0.01
36	0.04%	0.00
37	0.27%	0.01
38	0.02%	0.00
39	0.33%	0.01

Type:LED 0112.W.A311.6.60061.400mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-10-31

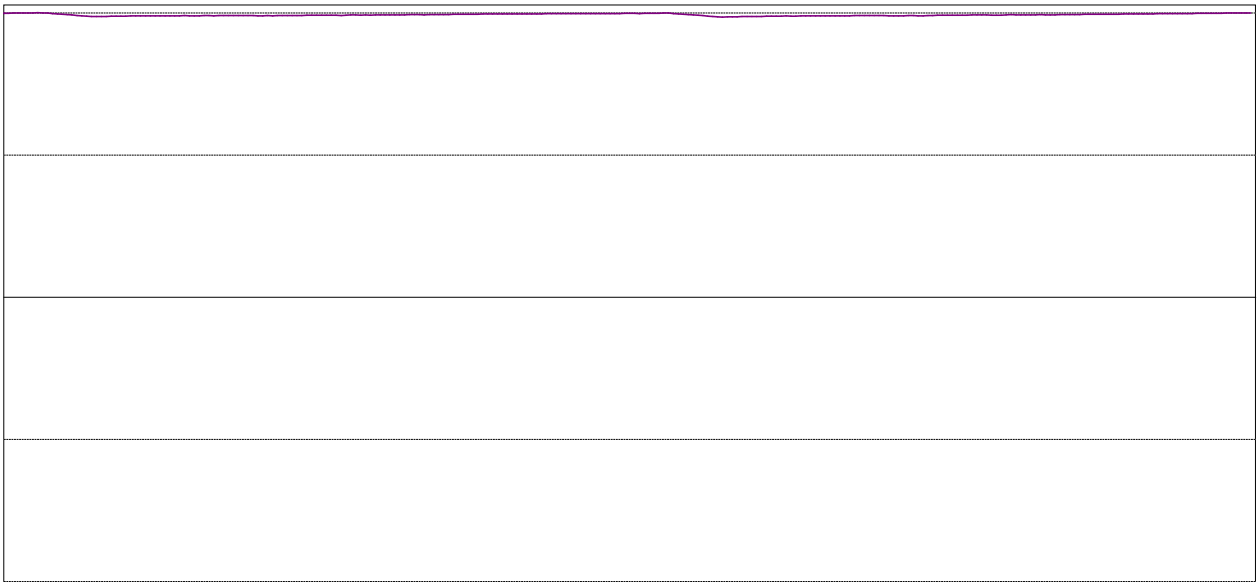
### Output

Lamp Voltage(rms):35.75V      Lamp Current(rms):0.4080A  
Power:14.59W      Ripple Current:0.000A      Energy Efficiency:0.862

#### Lamp Voltage Wave



#### Lamp Current Wave

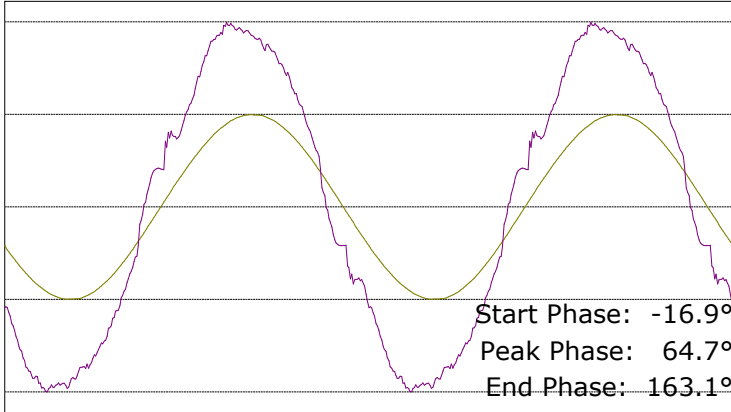


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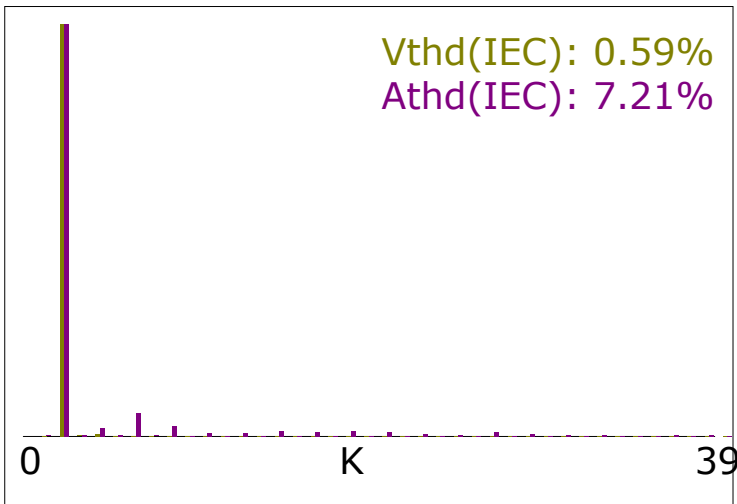
Type:LED 0112.W.A311.6.60061.400mA      Number:1  
Manufacturer: Brasled  
Temperature:25iãC      Humidity:60%  
Test Instrument: Lisun WT2080 LED Power Driver Tester  
Operator:      Inspector:  
Test Time:2016-10-31

# Input & Output Characteristics Test Report

## Input Characteristics Test Report [Narrow Band]



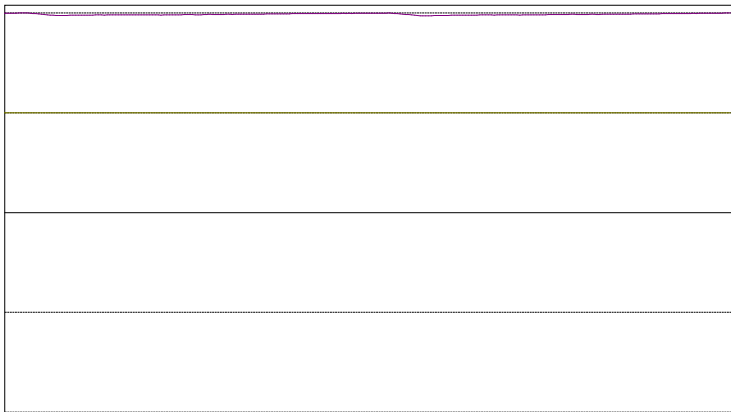
Voltage: 233.207(V)  
 VCF: 1.418  
 Vthd(IEC): 0.59%  
 Current: 0.074(A)  
 ACF: 1.438  
 Athd(IEC): 7.21%  
 Power: 16.9(W)  
 Power Factor: 0.9779  
 Frequency: 50.00(Hz)



Voltage Spectrum  
 H3: 0.51%  
 H5: 0.04%  
 H7: 0.08%  
 H9: 0.02%

Current Spectrum  
 H3: 1.97%  
 H5: 5.53%  
 H7: 2.60%  
 H9: 0.85%

## Output characteristics



Lamp Voltage(rms):35.75V  
 Lamp Current(rms):0.4080A  
 Power:14.59W  
 Ripple Current:0.000A  
 Energy Efficiency:0.862