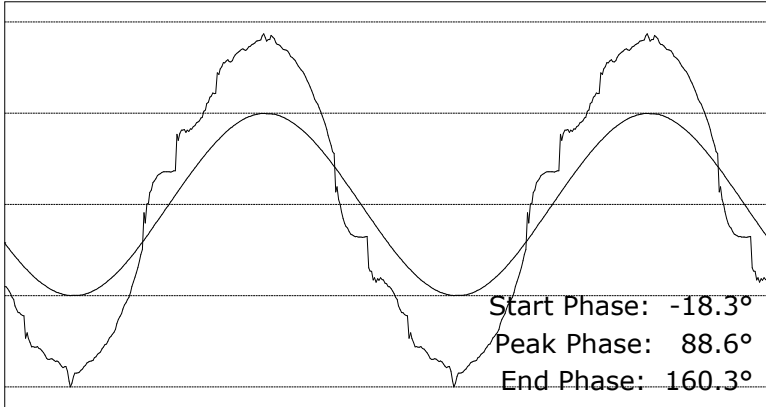
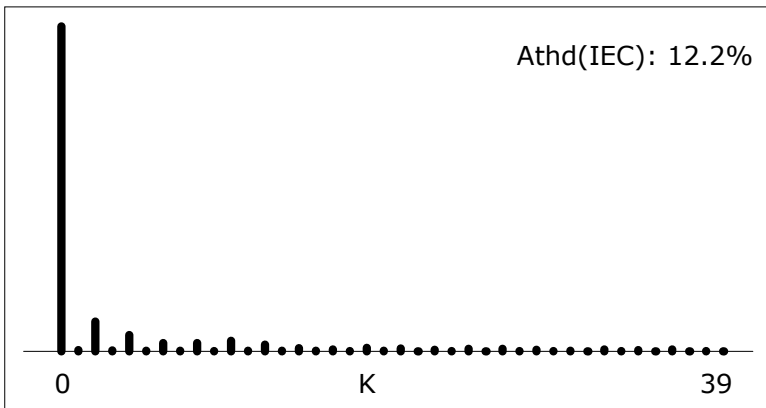
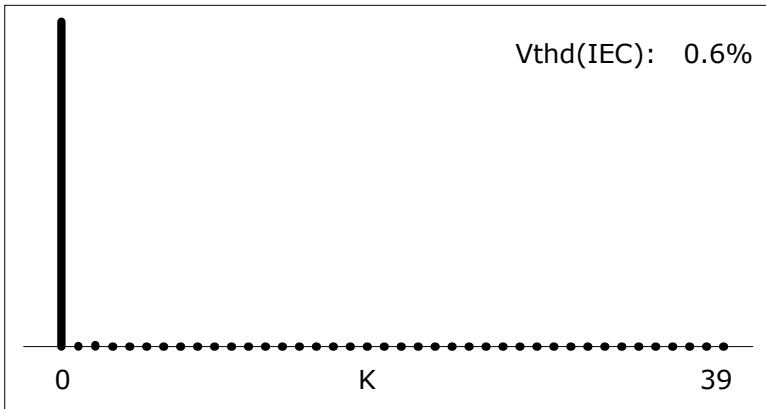


### Input Characteristics Test Report [Narrow Band]

Voltage 234.32(V)      Current 0.0564(A)      Power 12.96(W)      Power Factor 0.9799      Frequency 50.00(Hz)



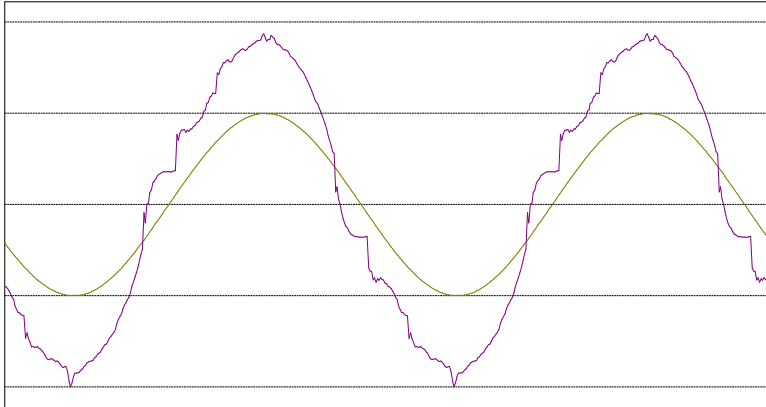
Spectrum(k)	Voltage	Current
0	0.0%	0.0%
1	100.0%	100.0%
2	0.2%	0.5%
3	0.6%	9.2%
4	0.1%	0.3%
5	0.0%	5.1%
6	0.0%	0.2%
7	0.0%	2.6%
8	0.0%	0.3%
9	0.0%	2.6%
10	0.0%	0.2%
11	0.0%	3.3%
12	0.0%	0.3%
13	0.0%	2.1%
14	0.0%	0.2%
15	0.1%	1.0%
16	0.0%	0.2%
17	0.0%	0.7%
18	0.0%	0.2%
19	0.0%	1.2%
20	0.0%	0.3%
21	0.0%	0.9%
22	0.0%	0.1%
23	0.0%	0.5%
24	0.0%	0.2%
25	0.1%	0.9%
26	0.0%	0.1%
27	0.0%	0.8%
28	0.0%	0.1%
29	0.0%	0.5%
30	0.0%	0.1%
31	0.0%	0.2%
32	0.0%	0.0%
33	0.0%	0.6%
34	0.0%	0.1%
35	0.0%	0.4%
36	0.0%	0.1%
37	0.0%	0.6%
38	0.0%	0.1%
39	0.0%	0.1%



Type:LED 0409.WGB.U241.6.60084.300mA  
 Number:1  
 Manufacturer: Brasled  
 Temperature:25iãC  
 Humidity:60%  
 Test Instrument: Lisun WT2080 LED Power Driver Tester  
 Operator:  
 Inspector:  
 Test Time:2016-11-22

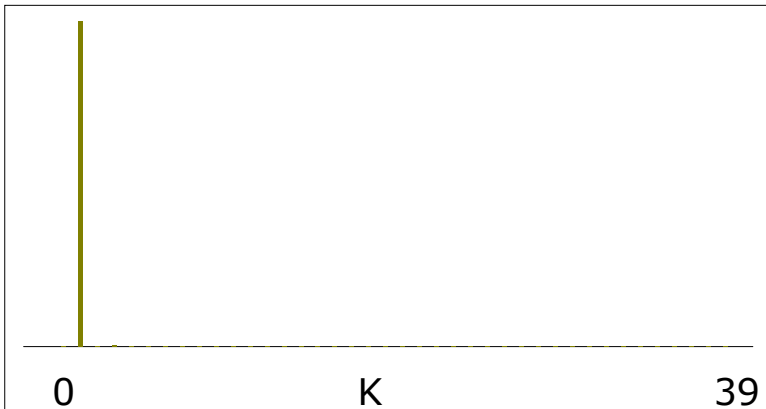
### Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
234.32(V)	0.0564(A)	12.96(W)	0.9799	50.00(Hz)

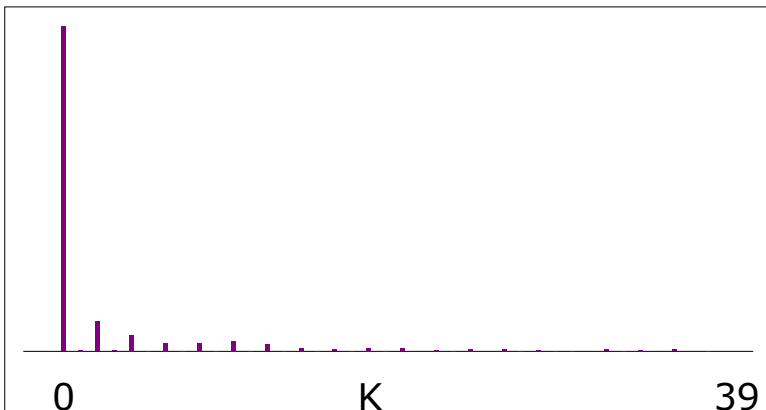


**Voltage**  
Sensitivity: 332.82 V/Div  
Peak: 332.82 V

**Current**  
Sensitivity: 0.0437 A  
Peak: 0.0873 A  
Start Phase: -18.3°  
Peak Phase: 88.6°  
End Phase: 160.3°



**Voltage Spectrum**  
THD(IEC): 0.61%  
H3: 0.55%  
H5: 0.02%  
H7: 0.03%  
H9: 0.02%



**Current Spectrum**  
THD(IEC): 12.2%  
H3: 9.23%  
H5: 5.12%  
H7: 2.63%  
H9: 2.57%

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

Voltage: 234.32(V)

VCF: 1.420

Vthd(IEC): 0.61%

## Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.07
1	100.00%	234.35
2	0.21%	0.50
3	0.55%	1.30
4	0.08%	0.19
5	0.02%	0.04
6	0.01%	0.01
7	0.03%	0.07
8	0.01%	0.02
9	0.02%	0.05
10	0.01%	0.02
11	0.04%	0.08
12	0.01%	0.01
13	0.03%	0.07
14	0.01%	0.02
15	0.06%	0.14
16	0.01%	0.01
17	0.02%	0.05
18	0.01%	0.01
19	0.02%	0.05
20	0.01%	0.03
21	0.02%	0.06
22	0.00%	0.00
23	0.05%	0.11
24	0.01%	0.01
25	0.07%	0.17
26	0.00%	0.01
27	0.03%	0.08
28	0.01%	0.02
29	0.00%	0.01
30	0.00%	0.00
31	0.02%	0.04
32	0.00%	0.01
33	0.01%	0.01
34	0.00%	0.00
35	0.02%	0.05
36	0.00%	0.01
37	0.01%	0.02
38	0.00%	0.01
39	0.01%	0.03

Current: 0.0564(A)

ACF: 1.547

Athd(IEC): 12.23%

## Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.00%	0.00
1	100.00%	4.33
2	0.47%	0.02
3	9.23%	0.40
4	0.30%	0.01
5	5.12%	0.22
6	0.23%	0.01
7	2.63%	0.11
8	0.26%	0.01
9	2.57%	0.11
10	0.18%	0.01
11	3.29%	0.14
12	0.25%	0.01
13	2.15%	0.09
14	0.22%	0.01
15	1.02%	0.04
16	0.22%	0.01
17	0.65%	0.03
18	0.16%	0.01
19	1.15%	0.05
20	0.27%	0.01
21	0.94%	0.04
22	0.09%	0.00
23	0.52%	0.02
24	0.19%	0.01
25	0.87%	0.04
26	0.09%	0.00
27	0.83%	0.04
28	0.14%	0.01
29	0.51%	0.02
30	0.12%	0.01
31	0.24%	0.01
32	0.02%	0.00
33	0.65%	0.03
34	0.15%	0.01
35	0.41%	0.02
36	0.06%	0.00
37	0.62%	0.03
38	0.05%	0.00
39	0.10%	0.00

Type:LED 0409.WGB.U241.6.60084.300mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-11-22

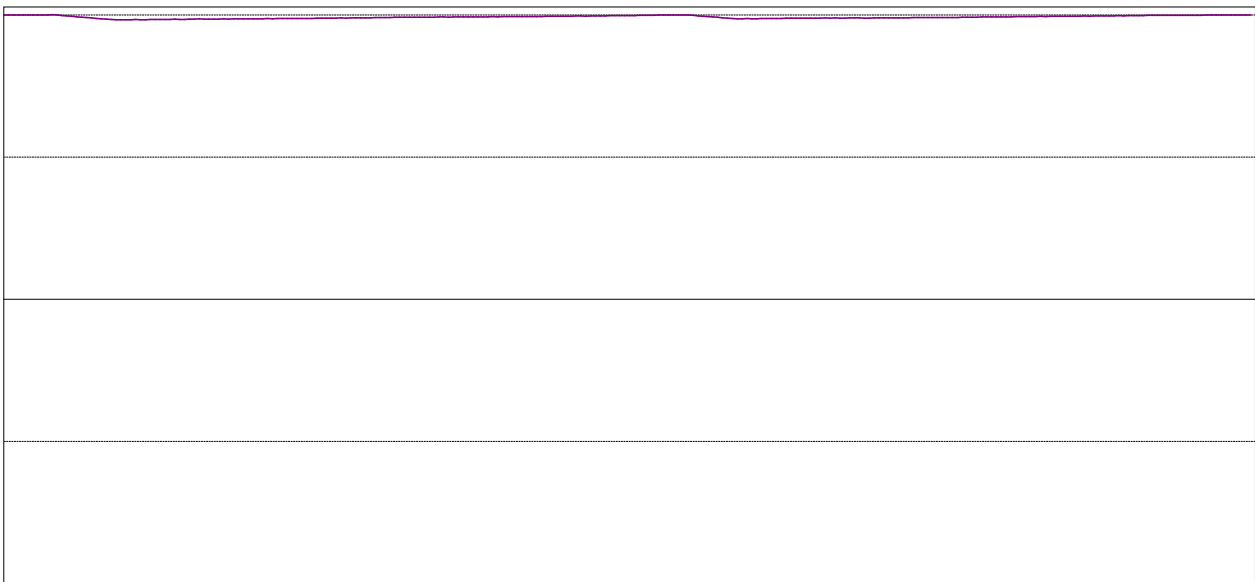
### Output

Lamp Voltage(rms):36.45V      Lamp Current(rms):0.3010A  
Power:10.97W      Ripple Current:0.000A      Energy Efficiency:0.847

#### Lamp Voltage Wave



#### Lamp Current Wave

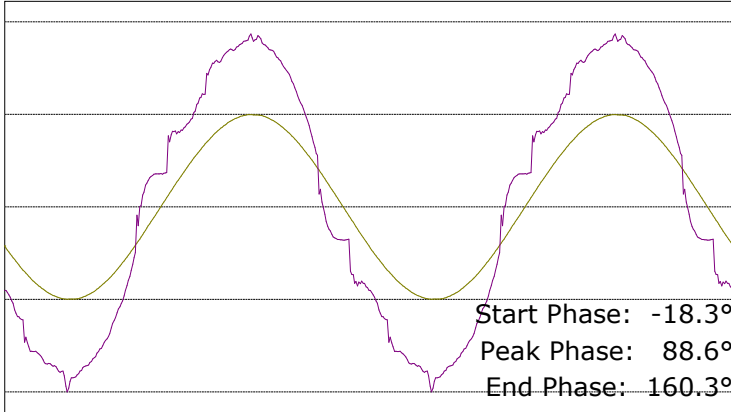


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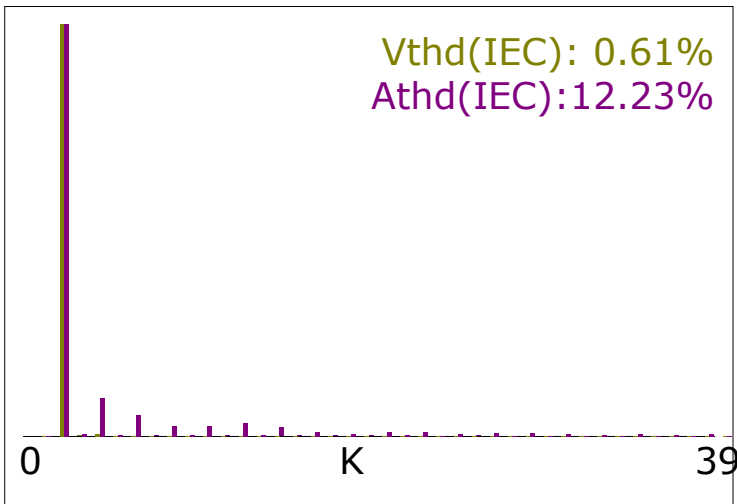
Type:LED 0409.WGB.U241.6.60084.300mA  
Number:1  
Manufacturer: Brasled  
Temperature:25iãC      Humidity:60%  
Test Instrument: Lisun WT2080 LED Power Driver Tester  
Operator:      Inspector:  
Test Time:2016-11-22

# Input & Output Characteristics Test Report

## Input Characteristics Test Report [Narrow Band]



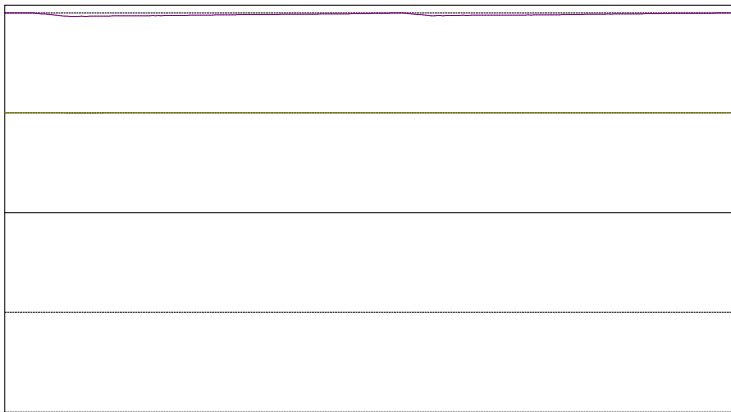
Voltage: 234.323(V)  
VCF: 1.420  
Vthd(IEC): 0.61%  
Current: 0.056(A)  
ACF: 1.547  
Athd(IEC): 12.23%  
Power: 13.0(W)  
Power Factor: 0.9799  
Frequency: 50.00(Hz)



Voltage Spectrum  
H3: 0.55%  
H5: 0.02%  
H7: 0.03%  
H9: 0.02%

Current Spectrum  
H3: 9.23%  
H5: 5.12%  
H7: 2.63%  
H9: 2.57%

## Output characteristics



Lamp Voltage(rms):36.45V  
Lamp Current(rms):0.3010A  
Power:10.97W  
Ripple Current:0.000A  
Energy Efficiency:0.847