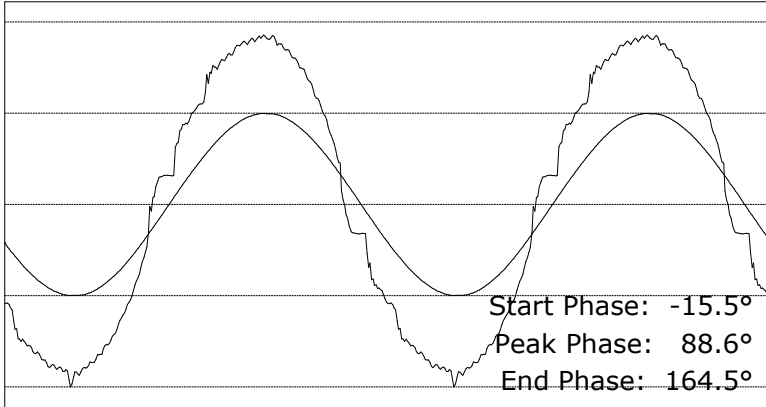
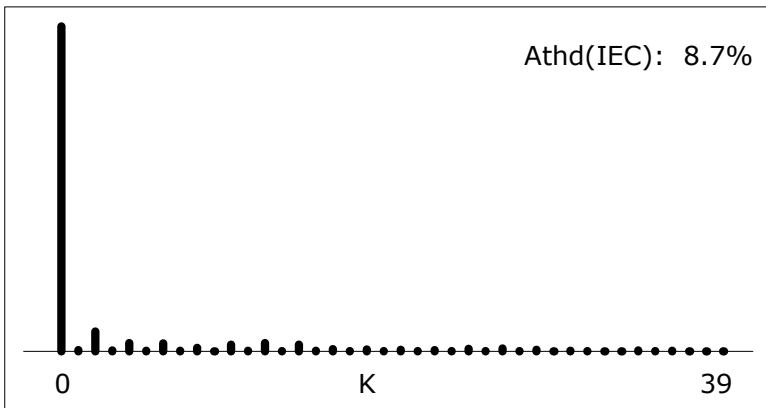
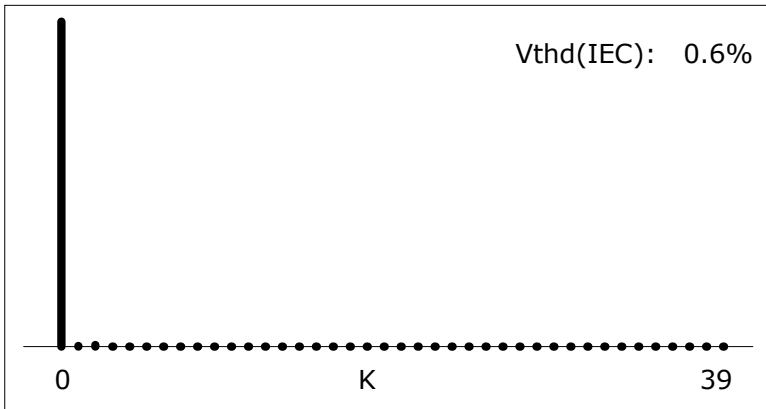


### Input Characteristics Test Report [Narrow Band]

Voltage 229.60(V)      Current 0.0645(A)      Power 14.58(W)      Power Factor 0.9840      Frequency 50.00(Hz)



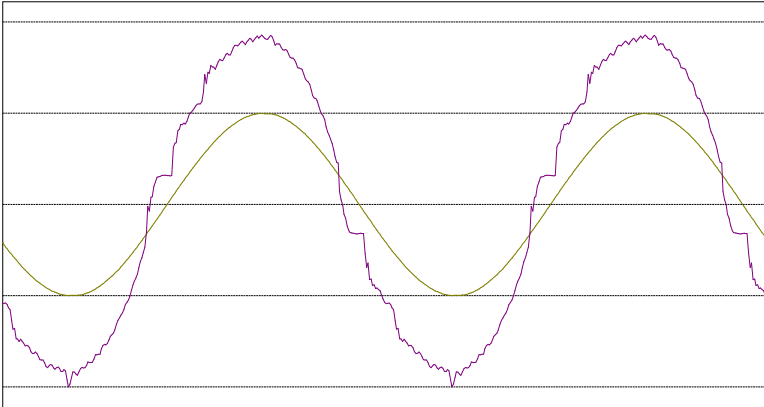
Spectrum(k)	Voltage	Current
0	0.0%	0.2%
1	100.0%	100.0%
2	0.2%	0.4%
3	0.5%	6.2%
4	0.1%	0.3%
5	0.0%	2.6%
6	0.0%	0.2%
7	0.1%	2.5%
8	0.0%	0.2%
9	0.0%	1.1%
10	0.0%	0.1%
11	0.1%	2.1%
12	0.0%	0.3%
13	0.1%	2.7%
14	0.0%	0.2%
15	0.1%	2.1%
16	0.0%	0.2%
17	0.0%	0.8%
18	0.0%	0.2%
19	0.0%	0.6%
20	0.0%	0.2%
21	0.0%	0.5%
22	0.0%	0.2%
23	0.0%	0.5%
24	0.0%	0.1%
25	0.0%	0.8%
26	0.0%	0.1%
27	0.0%	0.9%
28	0.0%	0.2%
29	0.0%	0.5%
30	0.0%	0.1%
31	0.0%	0.3%
32	0.0%	0.1%
33	0.0%	0.1%
34	0.0%	0.1%
35	0.0%	0.4%
36	0.0%	0.1%
37	0.0%	0.3%
38	0.0%	0.1%
39	0.0%	0.1%



Type:LED 0403.W.H341.6.60050.350mA      Number:1  
 Manufacturer: Brasled  
 Temperature:25iãC      Humidity:60%  
 Test Instrument: Lisun WT2080 LED Power Driver Tester  
 Operator:      Inspector:  
 Test Time:2016-10-18

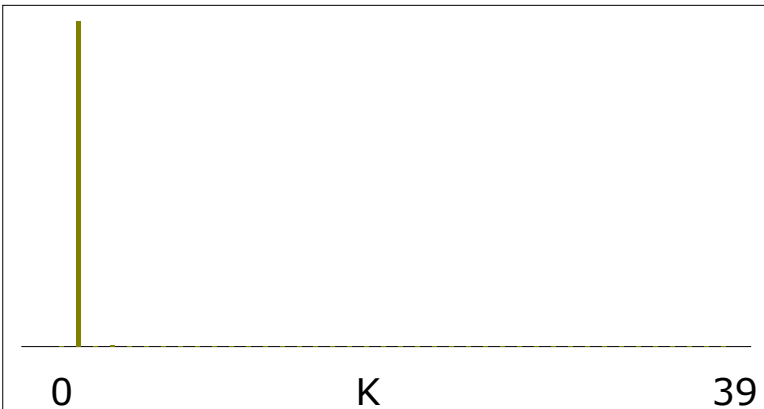
### Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
229.60(V)	0.0645(A)	14.58(W)	0.9840	50.00(Hz)

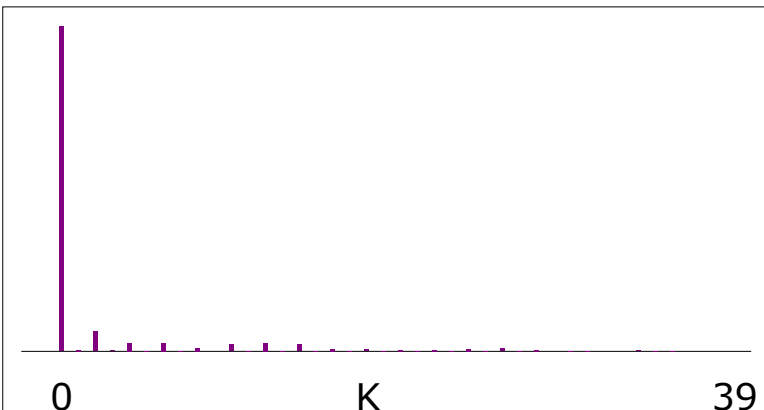


**Voltage**  
Sensitivity: 325.39 V/Div  
Peak: 325.39 V

**Current**  
Sensitivity: 0.0477 A  
Peak: 0.0954 A  
Start Phase: -15.5°  
Peak Phase: 88.6°  
End Phase: 164.5°



**Voltage Spectrum**  
THD(IEC): 0.57%  
H3: 0.50%  
H5: 0.05%  
H7: 0.07%  
H9: 0.02%



**Current Spectrum**  
THD(IEC): 8.7%  
H3: 6.20%  
H5: 2.63%  
H7: 2.52%  
H9: 1.11%

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

Voltage: 229.60(V)

VCF: 1.417

Vthd(IEC): 0.57%

## Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.02%	0.05
1	100.00%	229.58
2	0.20%	0.47
3	0.50%	1.14
4	0.09%	0.20
5	0.05%	0.11
6	0.01%	0.02
7	0.07%	0.16
8	0.01%	0.01
9	0.02%	0.04
10	0.01%	0.02
11	0.06%	0.15
12	0.01%	0.02
13	0.05%	0.12
14	0.01%	0.02
15	0.06%	0.13
16	0.01%	0.01
17	0.02%	0.05
18	0.01%	0.02
19	0.01%	0.01
20	0.01%	0.02
21	0.04%	0.08
22	0.01%	0.02
23	0.03%	0.07
24	0.01%	0.02
25	0.05%	0.11
26	0.01%	0.01
27	0.03%	0.07
28	0.01%	0.02
29	0.01%	0.02
30	0.00%	0.00
31	0.01%	0.03
32	0.00%	0.01
33	0.02%	0.03
34	0.00%	0.01
35	0.01%	0.02
36	0.00%	0.00
37	0.00%	0.00
38	0.00%	0.00
39	0.01%	0.03

Current: 0.0645(A)

ACF: 1.478

Athd(IEC): 8.65%

## Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.17%	0.01
1	100.00%	4.41
2	0.43%	0.02
3	6.20%	0.27
4	0.32%	0.01
5	2.63%	0.12
6	0.23%	0.01
7	2.52%	0.11
8	0.21%	0.01
9	1.11%	0.05
10	0.08%	0.00
11	2.07%	0.09
12	0.30%	0.01
13	2.65%	0.12
14	0.16%	0.01
15	2.07%	0.09
16	0.24%	0.01
17	0.78%	0.03
18	0.18%	0.01
19	0.63%	0.03
20	0.18%	0.01
21	0.54%	0.02
22	0.17%	0.01
23	0.47%	0.02
24	0.11%	0.00
25	0.81%	0.04
26	0.12%	0.01
27	0.90%	0.04
28	0.19%	0.01
29	0.51%	0.02
30	0.06%	0.00
31	0.25%	0.01
32	0.10%	0.00
33	0.08%	0.00
34	0.05%	0.00
35	0.37%	0.02
36	0.10%	0.00
37	0.26%	0.01
38	0.09%	0.00
39	0.08%	0.00

Type:LED 0403.W.H341.6.60050.350mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-10-18

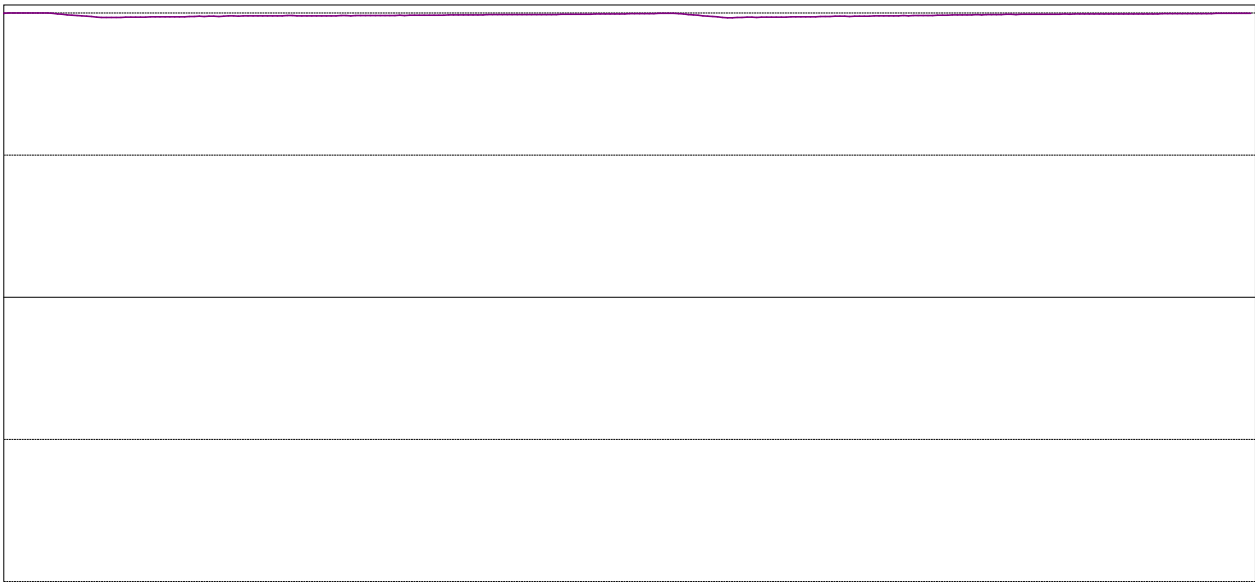
### Output

Lamp Voltage(rms):35.45V      Lamp Current(rms):0.3503A  
Power:12.41W      Ripple Current:0.000A      Energy Efficiency:0.852

#### Lamp Voltage Wave



#### Lamp Current Wave

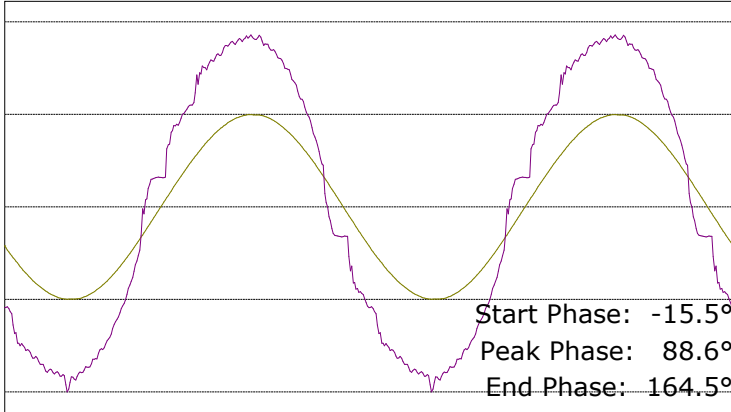


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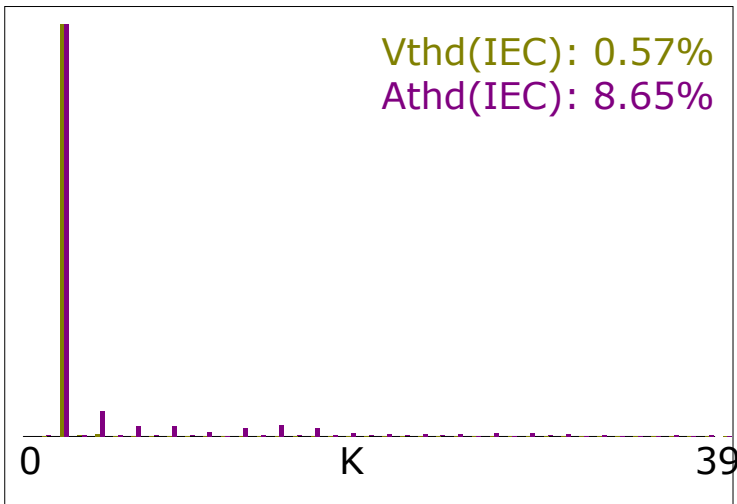
Type:LED 0403.W.H341.6.60050.350mA      Number:1  
Manufacturer: Brasled  
Temperature:25iãC      Humidity:60%  
Test Instrument: Lisun WT2080 LED Power Driver Tester  
Operator:      Inspector:  
Test Time:2016-10-18

# Input & Output Characteristics Test Report

## Input Characteristics Test Report [Narrow Band]



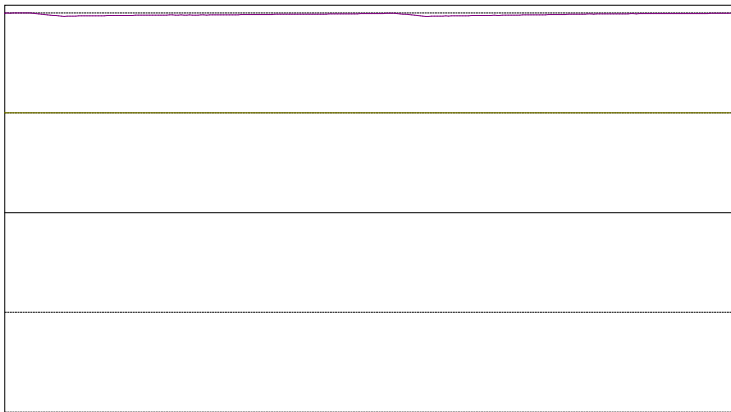
Voltage: 229.600(V)  
VCF: 1.417  
Vthd(IEC): 0.57%  
Current: 0.065(A)  
ACF: 1.478  
Athd(IEC): 8.65%  
Power: 14.6(W)  
Power Factor: 0.9840  
Frequency: 50.00(Hz)



Voltage Spectrum  
H3: 0.50%  
H5: 0.05%  
H7: 0.07%  
H9: 0.02%

Current Spectrum  
H3: 6.20%  
H5: 2.63%  
H7: 2.52%  
H9: 1.11%

## Output characteristics



Lamp Voltage(rms):35.45V  
Lamp Current(rms):0.3503A  
Power:12.41W  
Ripple Current:0.000A  
Energy Efficiency:0.852