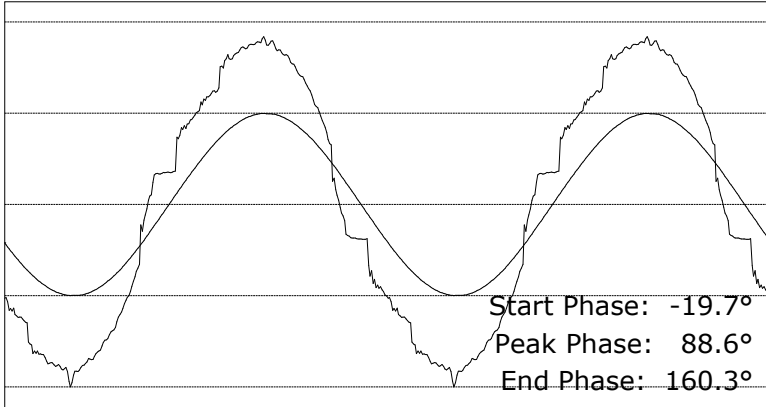
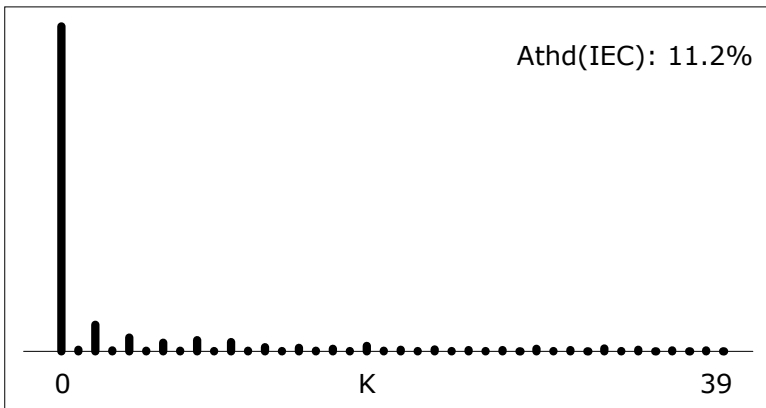
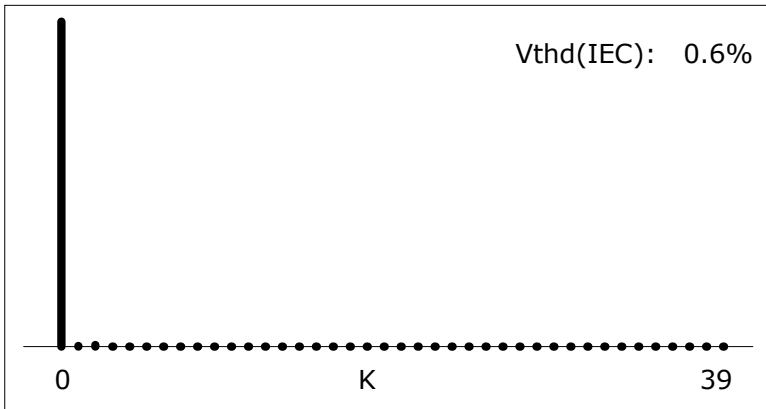


Input Characteristics Test Report [Narrow Band]

Voltage 233.18(V)      Current 0.0573(A)      Power 13.04(W)      Power Factor 0.9755      Frequency 50.00(Hz)



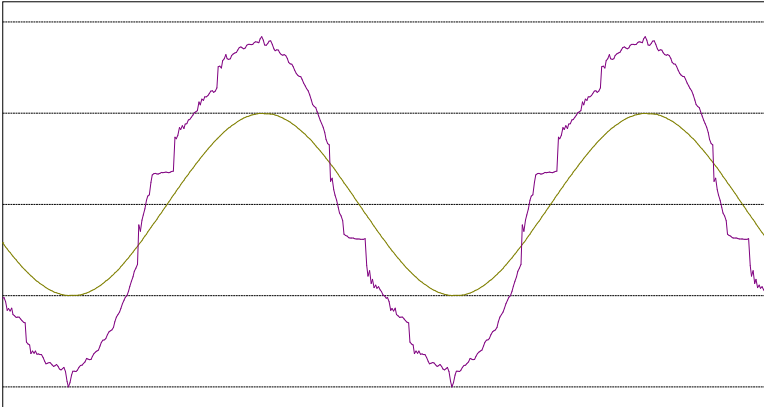
Spectrum(k)	Voltage	Current
0	0.0%	1.5%
1	100.0%	100.0%
2	0.2%	0.5%
3	0.5%	8.2%
4	0.1%	0.3%
5	0.0%	4.3%
6	0.0%	0.2%
7	0.0%	2.7%
8	0.0%	0.2%
9	0.0%	3.5%
10	0.0%	0.1%
11	0.0%	2.9%
12	0.0%	0.3%
13	0.0%	1.3%
14	0.0%	0.1%
15	0.1%	1.1%
16	0.0%	0.3%
17	0.0%	0.8%
18	0.0%	0.2%
19	0.0%	1.7%
20	0.0%	0.3%
21	0.0%	0.5%
22	0.0%	0.1%
23	0.0%	0.7%
24	0.0%	0.1%
25	0.1%	0.4%
26	0.0%	0.1%
27	0.0%	0.5%
28	0.0%	0.1%
29	0.0%	0.8%
30	0.0%	0.2%
31	0.0%	0.5%
32	0.0%	0.0%
33	0.0%	0.9%
34	0.0%	0.1%
35	0.0%	0.5%
36	0.0%	0.1%
37	0.0%	0.4%
38	0.0%	0.1%
39	0.0%	0.3%



Type:LED 0113.W.U241.6.60064.300mA      Number:1  
 Manufacturer: Brasled  
 Temperature:25iãC      Humidity:60%  
 Test Instrument: Lisun WT2080 LED Power Driver Tester  
 Operator:      Inspector:  
 Test Time:2016-11-03

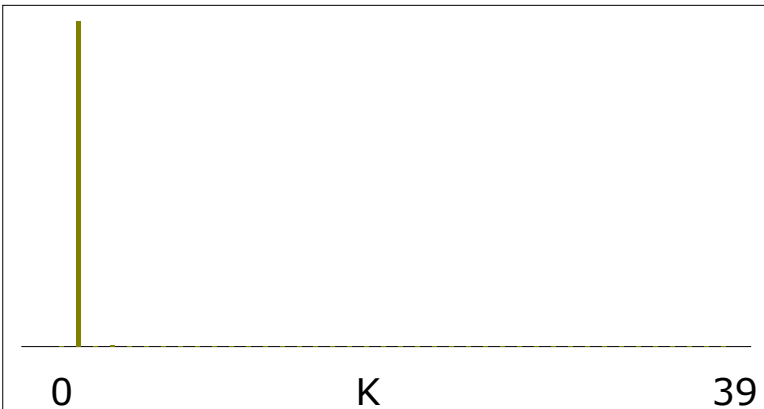
### Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
233.18(V)	0.0573(A)	13.04(W)	0.9755	50.00(Hz)

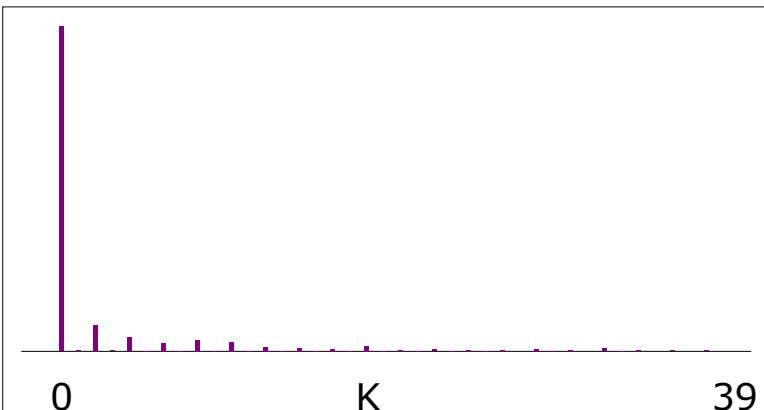


**Voltage**  
Sensitivity: 330.97 V/Div  
Peak: 330.97 V

**Current**  
Sensitivity: 0.0443 A  
Peak: 0.0886 A  
Start Phase: -19.7°  
Peak Phase: 88.6°  
End Phase: 160.3°



**Voltage Spectrum**  
THD(IEC): 0.58%  
H3: 0.52%  
H5: 0.04%  
H7: 0.02%  
H9: 0.02%



**Current Spectrum**  
THD(IEC): 11.2%  
H3: 8.18%  
H5: 4.27%  
H7: 2.73%  
H9: 3.48%

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

Voltage: 233.18(V)

VCF: 1.419

Vthd(IEC): 0.58%

## Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.06
1	100.00%	233.19
2	0.20%	0.47
3	0.52%	1.21
4	0.08%	0.19
5	0.04%	0.09
6	0.01%	0.02
7	0.02%	0.05
8	0.01%	0.02
9	0.02%	0.05
10	0.01%	0.02
11	0.05%	0.11
12	0.01%	0.02
13	0.02%	0.05
14	0.01%	0.03
15	0.06%	0.14
16	0.00%	0.01
17	0.02%	0.04
18	0.00%	0.01
19	0.04%	0.09
20	0.01%	0.02
21	0.02%	0.06
22	0.01%	0.01
23	0.03%	0.07
24	0.02%	0.04
25	0.06%	0.14
26	0.00%	0.01
27	0.01%	0.03
28	0.01%	0.02
29	0.02%	0.04
30	0.00%	0.00
31	0.02%	0.06
32	0.00%	0.01
33	0.01%	0.03
34	0.00%	0.00
35	0.02%	0.05
36	0.00%	0.01
37	0.00%	0.01
38	0.00%	0.00
39	0.00%	0.01

Current: 0.0573(A)

ACF: 1.546

Athd(IEC): 11.22%

## Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	1.49%	0.06
1	100.00%	4.37
2	0.50%	0.02
3	8.18%	0.36
4	0.30%	0.01
5	4.27%	0.19
6	0.20%	0.01
7	2.73%	0.12
8	0.25%	0.01
9	3.48%	0.15
10	0.12%	0.01
11	2.86%	0.13
12	0.27%	0.01
13	1.32%	0.06
14	0.12%	0.01
15	1.10%	0.05
16	0.27%	0.01
17	0.80%	0.04
18	0.15%	0.01
19	1.70%	0.07
20	0.25%	0.01
21	0.52%	0.02
22	0.10%	0.00
23	0.68%	0.03
24	0.14%	0.01
25	0.41%	0.02
26	0.14%	0.01
27	0.47%	0.02
28	0.07%	0.00
29	0.84%	0.04
30	0.18%	0.01
31	0.47%	0.02
32	0.04%	0.00
33	0.89%	0.04
34	0.11%	0.00
35	0.52%	0.02
36	0.05%	0.00
37	0.38%	0.02
38	0.07%	0.00
39	0.33%	0.01

Type:LED 0113.W.U241.6.60064.300mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-11-03

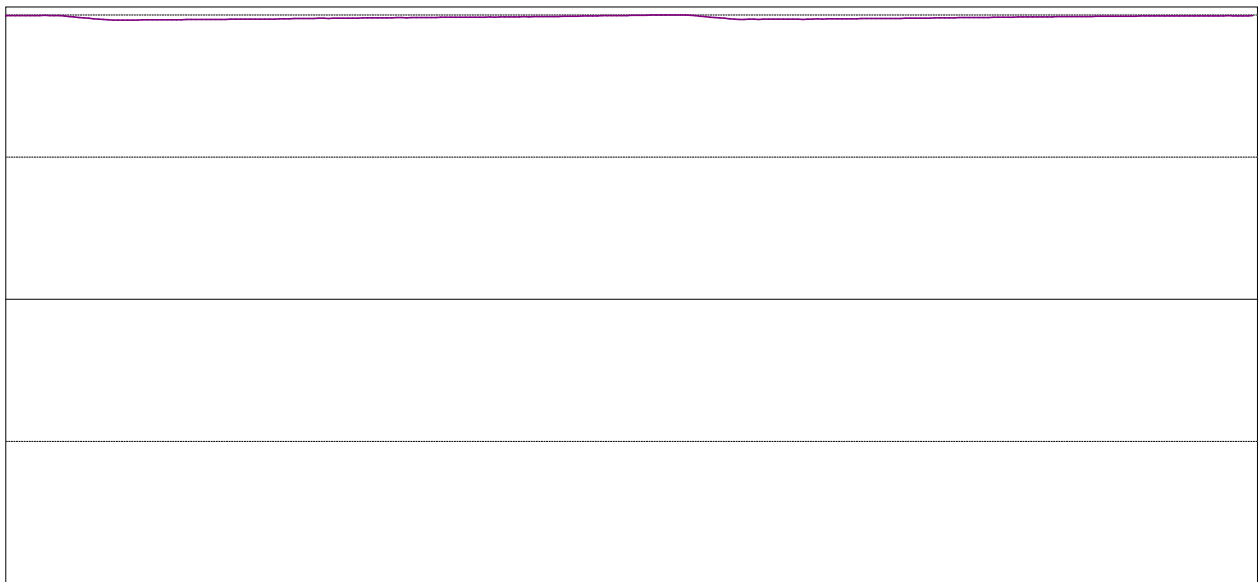
### Output

Lamp Voltage(rms):36.72V      Lamp Current(rms):0.3010A  
Power:11.05W      Ripple Current:0.000A      Energy Efficiency:0.847

#### Lamp Voltage Wave



#### Lamp Current Wave

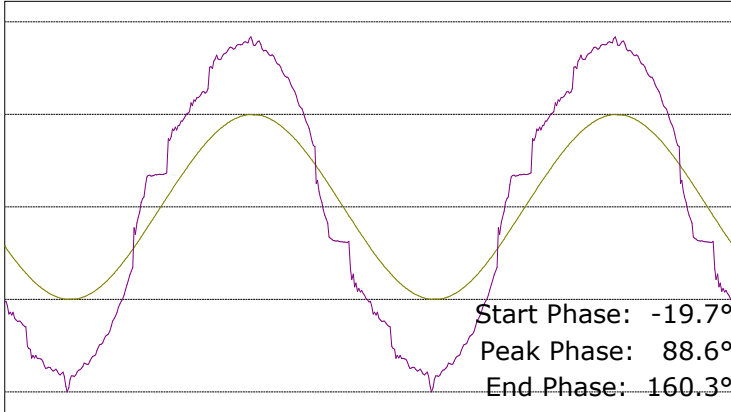


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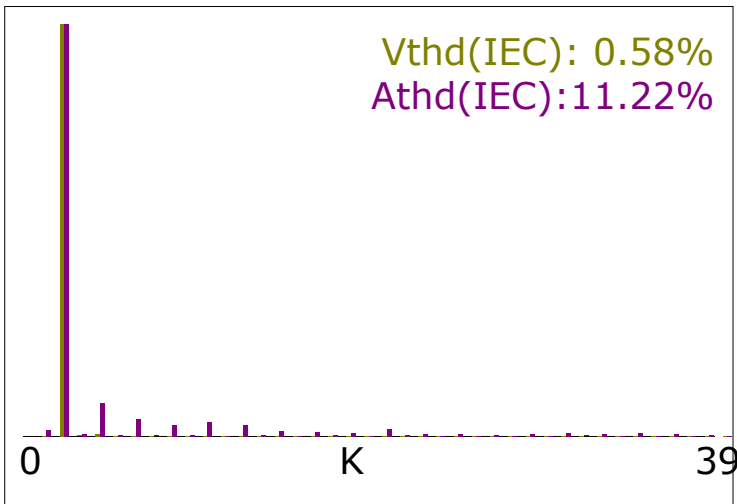
Type:LED 0113.W.U241.6.60064.300mA      Number:1  
Manufacturer: Brasled  
Temperature:25iãC      Humidity:60%  
Test Instrument: Lisun WT2080 LED Power Driver Tester  
Operator:      Inspector:  
Test Time:2016-11-03

# Input & Output Characteristics Test Report

## Input Characteristics Test Report [Narrow Band]



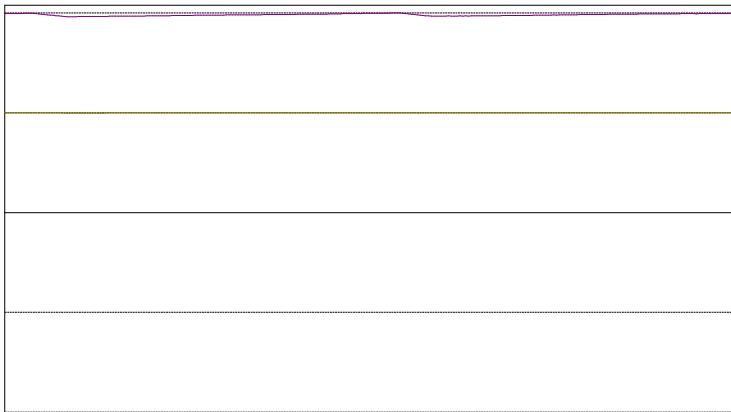
Voltage: 233.183(V)  
 VCF: 1.419  
 Vthd(IEC): 0.58%  
 Current: 0.057(A)  
 ACF: 1.546  
 Athd(IEC): 11.22%  
 Power: 13.0(W)  
 Power Factor: 0.9755  
 Frequency: 50.00(Hz)



Voltage Spectrum  
 H3: 0.52%  
 H5: 0.04%  
 H7: 0.02%  
 H9: 0.02%

Current Spectrum  
 H3: 8.18%  
 H5: 4.27%  
 H7: 2.73%  
 H9: 3.48%

## Output characteristics



Lamp Voltage(rms):36.72V  
 Lamp Current(rms):0.3010A  
 Power:11.05W  
 Ripple Current:0.000A  
 Energy Efficiency:0.847