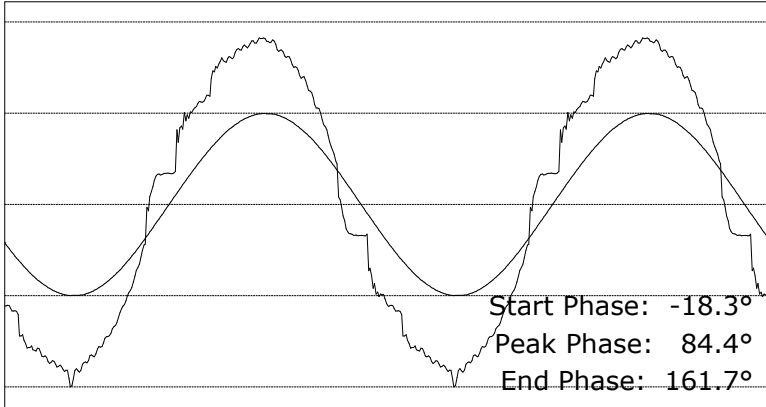
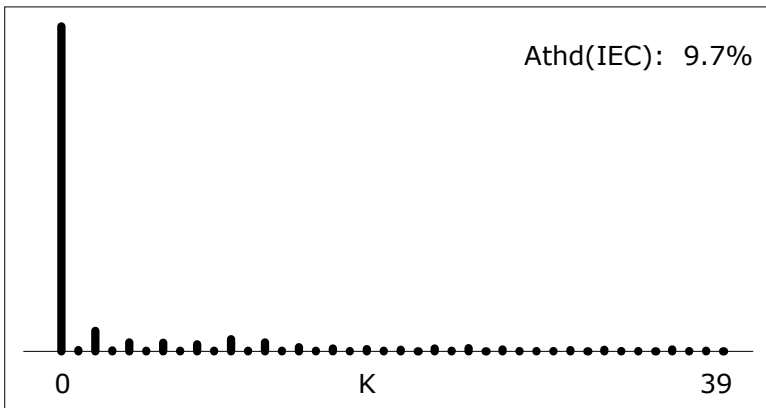
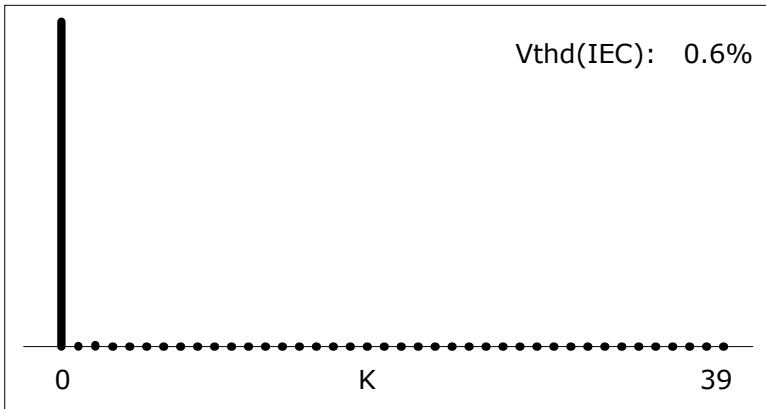


Input Characteristics Test Report [Narrow Band]

Voltage 234.36(V) Current 0.0569(A) Power 13.02(W) Power Factor 0.9769 Frequency 50.00(Hz)



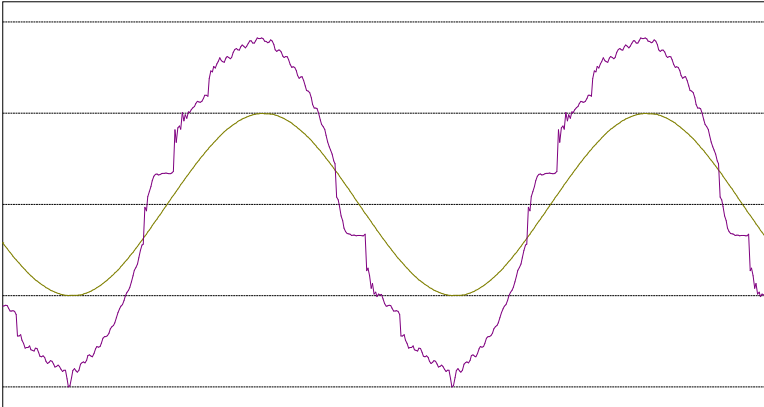
Spectrum(k)	Voltage	Current
0	0.0%	0.4%
1	100.0%	100.0%
2	0.2%	0.5%
3	0.5%	6.4%
4	0.1%	0.3%
5	0.0%	2.8%
6	0.0%	0.3%
7	0.0%	2.7%
8	0.0%	0.3%
9	0.0%	2.2%
10	0.0%	0.2%
11	0.0%	3.7%
12	0.0%	0.3%
13	0.0%	2.8%
14	0.0%	0.2%
15	0.1%	1.3%
16	0.0%	0.2%
17	0.0%	0.9%
18	0.0%	0.2%
19	0.0%	0.7%
20	0.0%	0.2%
21	0.0%	0.6%
22	0.0%	0.1%
23	0.1%	0.9%
24	0.0%	0.2%
25	0.0%	1.0%
26	0.0%	0.1%
27	0.0%	0.6%
28	0.0%	0.2%
29	0.0%	0.2%
30	0.0%	0.1%
31	0.0%	0.4%
32	0.0%	0.0%
33	0.0%	0.5%
34	0.0%	0.1%
35	0.0%	0.2%
36	0.0%	0.0%
37	0.0%	0.6%
38	0.0%	0.1%
39	0.0%	0.3%



Type:LED 0411.W.H241.6.60085.300mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-11-23

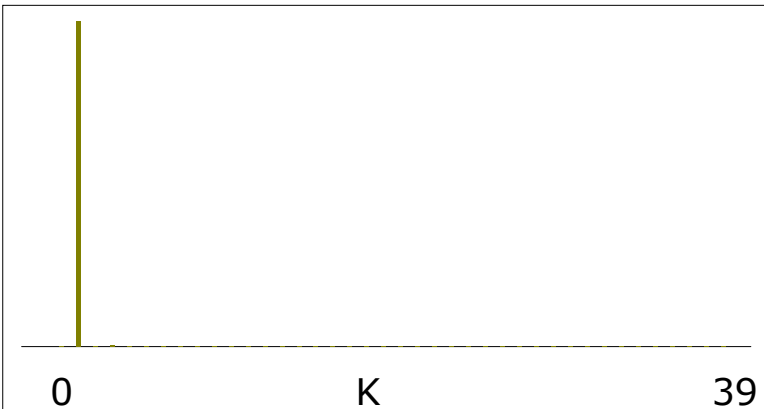
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
234.36(V)	0.0569(A)	13.02(W)	0.9769	50.00(Hz)

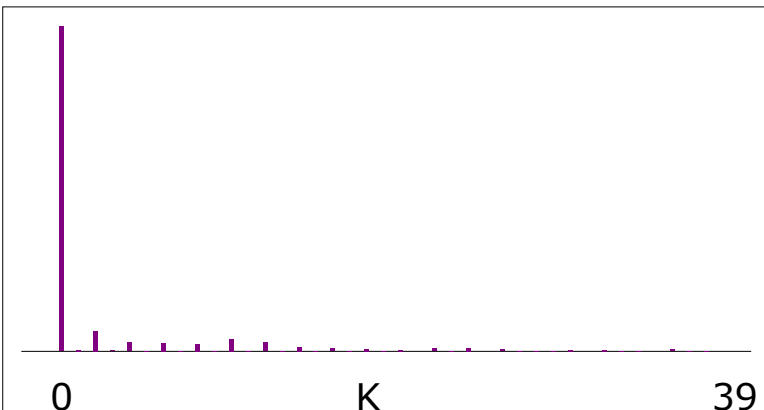


Voltage
Sensitivity: 332.82 V/Div
Peak: 332.82 V

Current
Sensitivity: 0.0434 A
Peak: 0.0867 A
Start Phase: -18.3°
Peak Phase: 84.4°
End Phase: 161.7°



Voltage Spectrum
THD(IEC): 0.61%
H3: 0.54%
H5: 0.04%
H7: 0.02%
H9: 0.01%



Current Spectrum
THD(IEC): 9.7%
H3: 6.39%
H5: 2.82%
H7: 2.70%
H9: 2.21%

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

Voltage: 234.36(V)

VCF: 1.420

Vthd(IEC): 0.61%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.02%	0.05
1	100.00%	234.36
2	0.21%	0.50
3	0.54%	1.28
4	0.08%	0.20
5	0.04%	0.10
6	0.01%	0.02
7	0.02%	0.06
8	0.01%	0.03
9	0.01%	0.03
10	0.01%	0.03
11	0.04%	0.09
12	0.01%	0.02
13	0.04%	0.09
14	0.01%	0.03
15	0.06%	0.15
16	0.01%	0.01
17	0.03%	0.06
18	0.01%	0.01
19	0.00%	0.01
20	0.01%	0.02
21	0.03%	0.07
22	0.00%	0.01
23	0.07%	0.16
24	0.01%	0.02
25	0.03%	0.07
26	0.00%	0.01
27	0.02%	0.05
28	0.01%	0.02
29	0.02%	0.04
30	0.00%	0.00
31	0.01%	0.03
32	0.00%	0.01
33	0.00%	0.00
34	0.00%	0.01
35	0.02%	0.04
36	0.00%	0.00
37	0.01%	0.02
38	0.00%	0.00
39	0.01%	0.03

Current: 0.0569(A)

ACF: 1.524

Athd(IEC): 9.66%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.35%	0.02
1	100.00%	4.35
2	0.48%	0.02
3	6.39%	0.28
4	0.32%	0.01
5	2.82%	0.12
6	0.27%	0.01
7	2.70%	0.12
8	0.26%	0.01
9	2.21%	0.10
10	0.22%	0.01
11	3.75%	0.16
12	0.25%	0.01
13	2.82%	0.12
14	0.20%	0.01
15	1.31%	0.06
16	0.23%	0.01
17	0.93%	0.04
18	0.17%	0.01
19	0.71%	0.03
20	0.23%	0.01
21	0.59%	0.03
22	0.09%	0.00
23	0.92%	0.04
24	0.22%	0.01
25	1.04%	0.05
26	0.09%	0.00
27	0.60%	0.03
28	0.15%	0.01
29	0.15%	0.01
30	0.15%	0.01
31	0.40%	0.02
32	0.04%	0.00
33	0.50%	0.02
34	0.14%	0.01
35	0.19%	0.01
36	0.00%	0.00
37	0.61%	0.03
38	0.12%	0.01
39	0.27%	0.01

Type:LED 0411.W.H241.6.60085.300mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

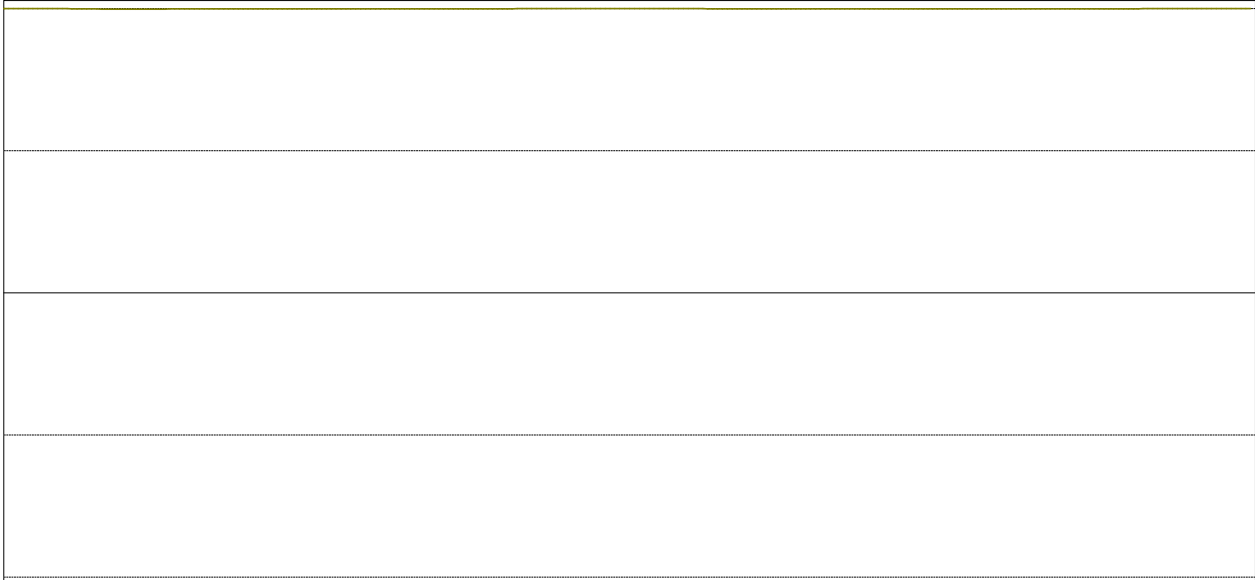
Inspector:

Test Time:2016-11-23

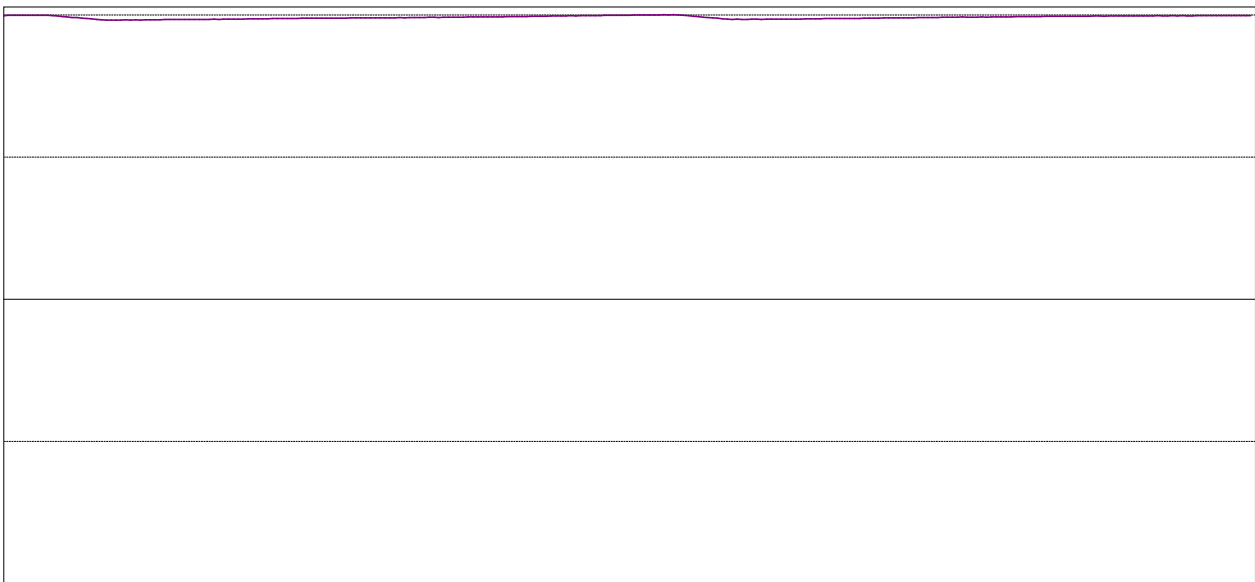
Output

Lamp Voltage(rms):36.54V Lamp Current(rms):0.3024A
Power:11.05W Ripple Current:0.000A Energy Efficiency:0.849

Lamp Voltage Wave



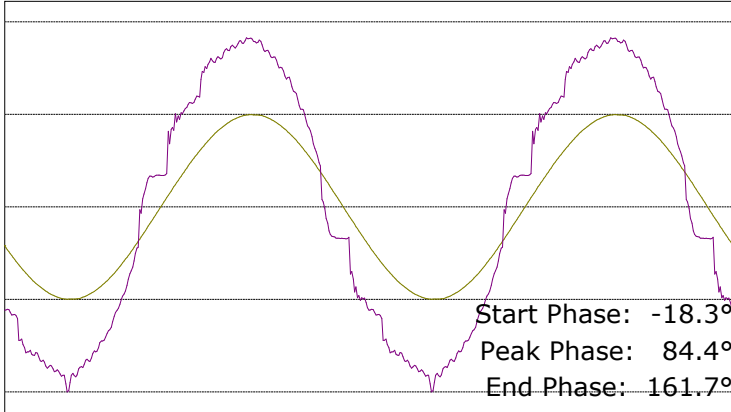
Lamp Current Wave



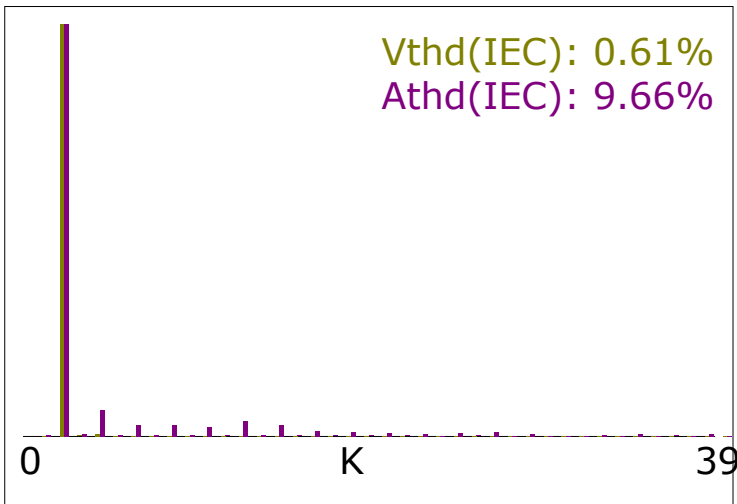
Type:LED 0411.W.H241.6.60085.300mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-11-23

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



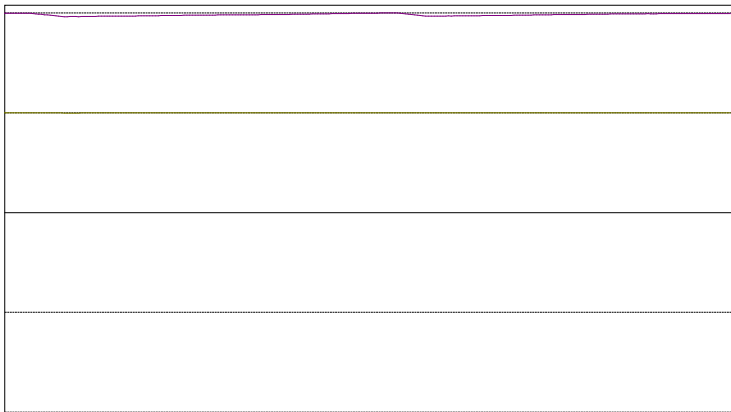
Voltage: 234.358(V)
 VCF: 1.420
 Vthd(IEC): 0.61%
 Current: 0.057(A)
 ACF: 1.524
 Athd(IEC): 9.66%
 Power: 13.0(W)
 Power Factor: 0.9769
 Frequency: 50.00(Hz)



Voltage Spectrum
 H3: 0.54%
 H5: 0.04%
 H7: 0.02%
 H9: 0.01%

Current Spectrum
 H3: 6.39%
 H5: 2.82%
 H7: 2.70%
 H9: 2.21%

Output characteristics



Lamp Voltage(rms):36.54V
 Lamp Current(rms):0.3024A
 Power:11.05W
 Ripple Current:0.000A
 Energy Efficiency:0.849