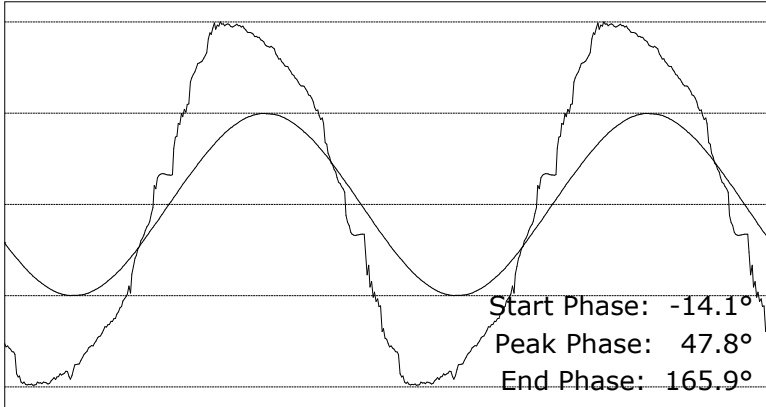
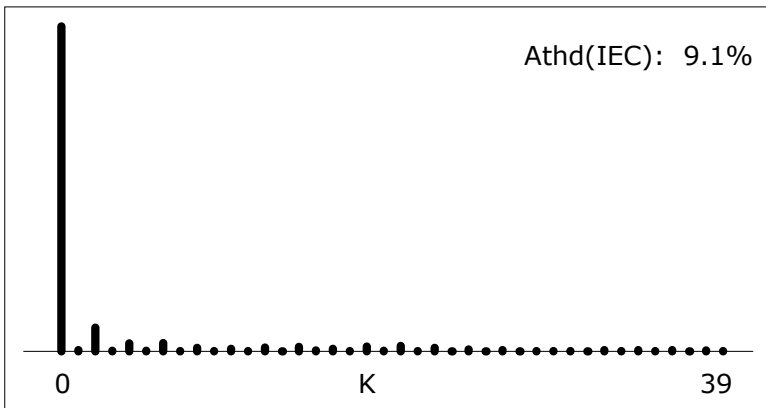
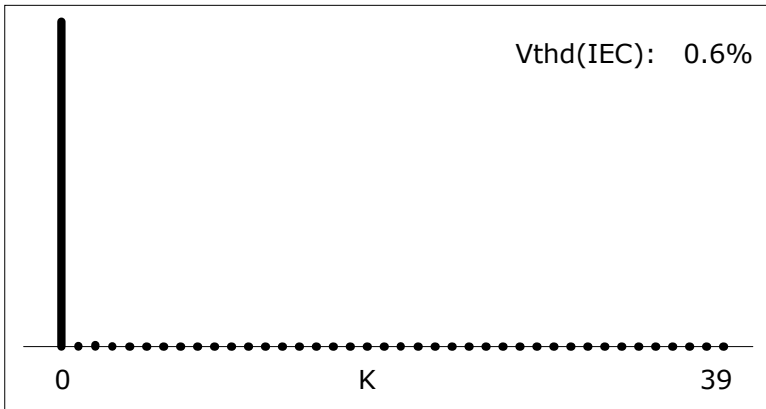


Input Characteristics Test Report [Narrow Band]

Voltage 229.97(V) Current 0.0972(A) Power 21.36(W) Power Factor 0.9560 Frequency 50.00(Hz)



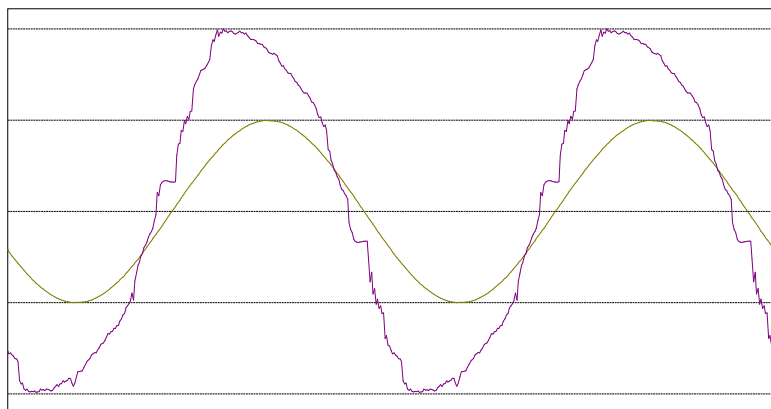
Spectrum(k)	Voltage	Current
0	0.0%	0.0%
1	100.0%	100.0%
2	0.2%	0.4%
3	0.5%	7.3%
4	0.1%	0.3%
5	0.1%	2.5%
6	0.0%	0.2%
7	0.0%	2.6%
8	0.0%	0.2%
9	0.0%	1.2%
10	0.0%	0.2%
11	0.1%	0.9%
12	0.0%	0.2%
13	0.0%	1.2%
14	0.0%	0.0%
15	0.1%	1.5%
16	0.0%	0.3%
17	0.0%	0.8%
18	0.0%	0.1%
19	0.0%	1.6%
20	0.0%	0.2%
21	0.1%	1.7%
22	0.0%	0.2%
23	0.0%	1.1%
24	0.0%	0.1%
25	0.1%	0.7%
26	0.0%	0.1%
27	0.0%	0.5%
28	0.0%	0.1%
29	0.0%	0.1%
30	0.0%	0.1%
31	0.0%	0.1%
32	0.0%	0.0%
33	0.0%	0.4%
34	0.0%	0.1%
35	0.0%	0.4%
36	0.0%	0.1%
37	0.0%	0.5%
38	0.0%	0.1%
39	0.0%	0.4%



Type:LED 0115.W.A531.6.60038.500mA Number:1
 Manufacturer: Brasled
 Temperature:25iãC Humidity:60%
 Test Instrument: Lisun WT2080 LED Power Driver Tester
 Operator: Inspector:
 Test Time:2016-12-06

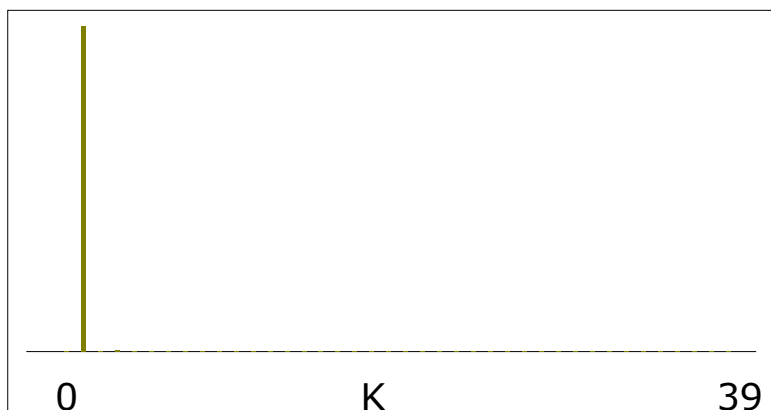
Input Characteristics Test Report [Narrow Band]

Voltage	Current	Power	Power Factor	Frequency
229.97(V)	0.0972(A)	21.36(W)	0.9560	50.00(Hz)

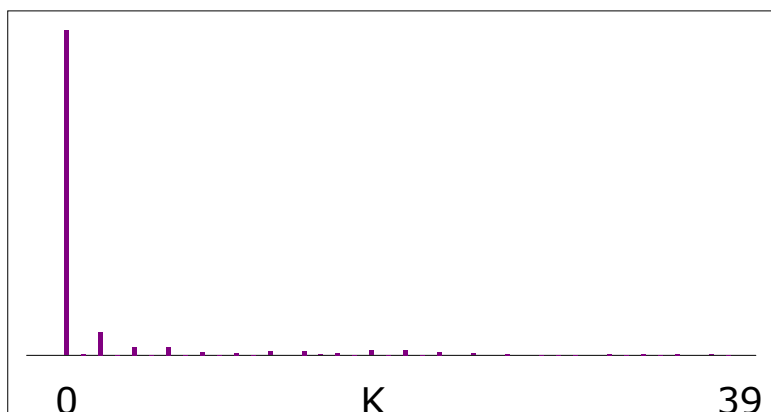


Voltage
 Sensitivity: 326.56 V/Div
 Peak: 326.56 V

Current
 Sensitivity: 0.0681 A
 Peak: 0.1362 A
 Start Phase: -14.1°
 Peak Phase: 47.8°
 End Phase: 165.9°



Voltage Spectrum
 THD(IEC): 0.61%
 H3: 0.51%
 H5: 0.08%
 H7: 0.02%
 H9: 0.02%



Current Spectrum
 THD(IEC): 9.1%
 H3: 7.31%
 H5: 2.46%
 H7: 2.57%
 H9: 1.18%

Type:LED 0115.W.A531.6.60038.500mA	Number:1
Manufacturer: Brasled	
Temperature:25iãC	Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester	
Operator:	Inspector:
Test Time:2016-12-06	

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

Voltage: 229.97(V)

VCF: 1.420

Vthd(IEC): 0.61%

Voltage Spectrum

Spectrum(k)	Rel.	Abs.(V)
0	0.03%	0.06
1	100.00%	229.97
2	0.24%	0.56
3	0.51%	1.16
4	0.10%	0.24
5	0.08%	0.17
6	0.02%	0.04
7	0.02%	0.04
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	0.08%	0.17
16	0.01%	0.03
17	0.02%	0.04
18	0.01%	0.02
19	0.04%	0.08
20	0.01%	0.03
21	0.11%	0.24
22	0.01%	0.03
23	0.01%	0.03
24	0.01%	0.02
25	0.07%	0.17
26	0.01%	0.02
27	0.03%	0.08
28	0.01%	0.03
29	0.01%	0.03
30	0.00%	0.00
31	0.01%	0.02
32	0.00%	0.00
33	0.01%	0.02
34	0.00%	0.01
35	0.03%	0.07
36	0.00%	0.01
37	0.02%	0.04
38	0.00%	0.01
39	0.01%	0.03

Current: 0.0972(A)

ACF: 1.402

Athd(IEC): 9.07%

Current Spectrum

Spectrum(k)	Rel.	Abs.(mA/W)
0	0.03%	0.00
1	100.00%	4.53
2	0.40%	0.02
3	7.31%	0.33
4	0.28%	0.01
5	2.46%	0.11
6	0.21%	0.01
7	2.57%	0.12
8	0.16%	0.01
9	1.18%	0.05
10	0.16%	0.01
11	0.88%	0.04
12	0.19%	0.01
13	1.23%	0.06
14	0.04%	0.00
15	1.45%	0.07
16	0.34%	0.02
17	0.79%	0.04
18	0.12%	0.01
19	1.55%	0.07
20	0.22%	0.01
21	1.68%	0.08
22	0.19%	0.01
23	1.12%	0.05
24	0.06%	0.00
25	0.66%	0.03
26	0.06%	0.00
27	0.47%	0.02
28	0.09%	0.00
29	0.11%	0.01
30	0.11%	0.01
31	0.12%	0.01
32	0.03%	0.00
33	0.44%	0.02
34	0.14%	0.01
35	0.42%	0.02
36	0.13%	0.01
37	0.49%	0.02
38	0.09%	0.00
39	0.37%	0.02

Type:LED 0115.W.A531.6.60038.500mA Number:1

Manufacturer: Brasled

Temperature:25iãC

Humidity:60%

Test Instrument: Lisun WT2080 LED Power Driver Tester

Operator:

Inspector:

Test Time:2016-12-06

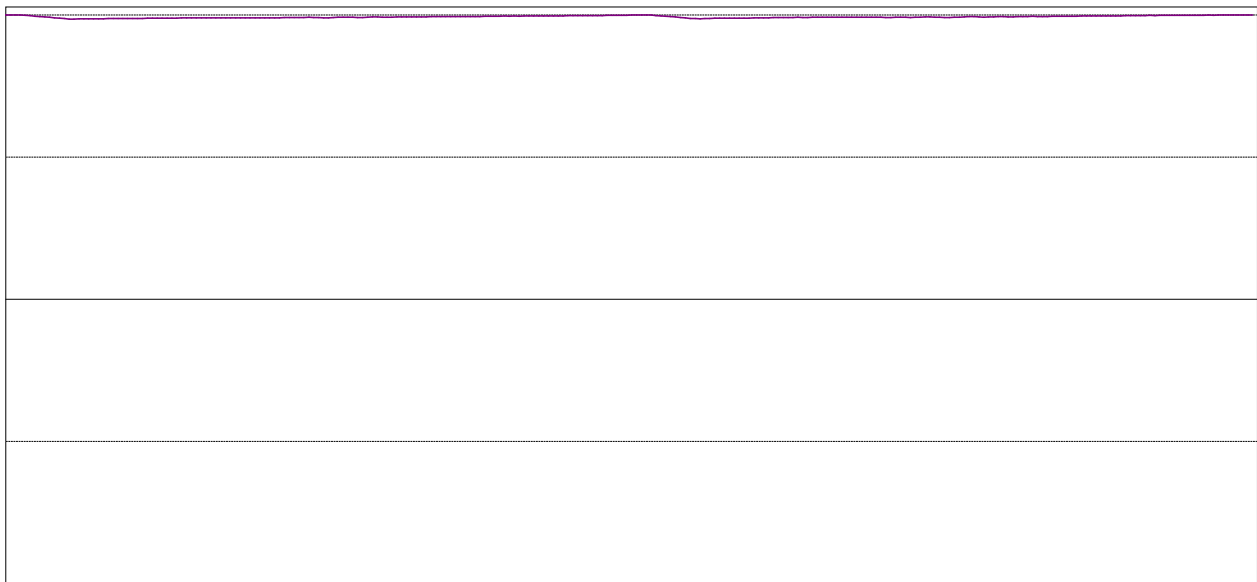
Output

Lamp Voltage(rms):37.17V Lamp Current(rms):0.5003A
Power:18.59W Ripple Current:0.000A Energy Efficiency:0.871

Lamp Voltage Wave



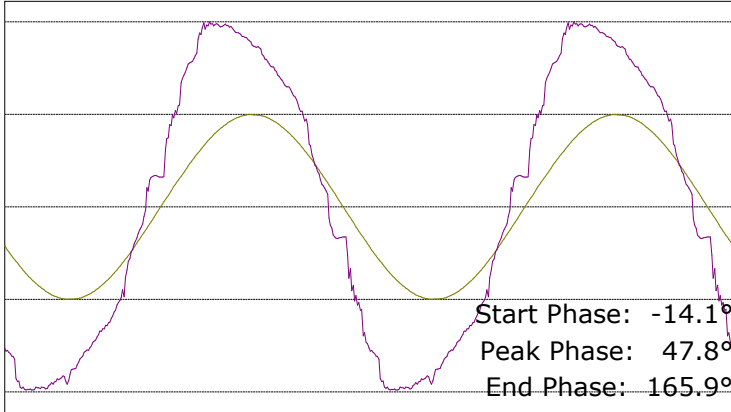
Lamp Current Wave



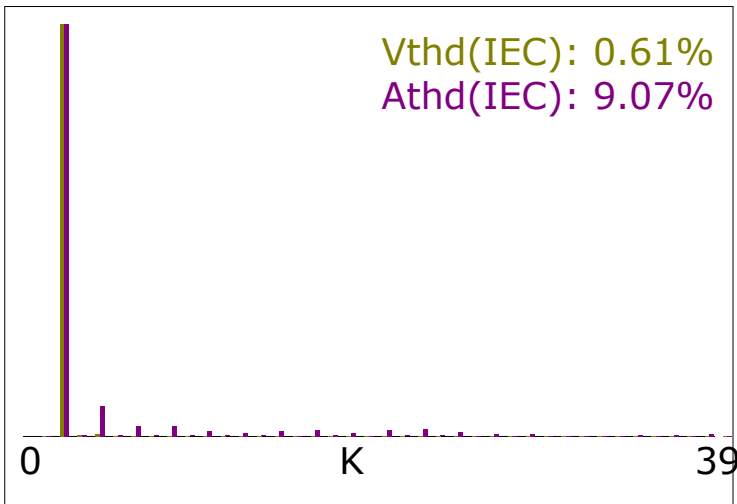
Type:LED 0115.W.A531.6.60038.500mA Number:1
Manufacturer: Brasled
Temperature:25iãC Humidity:60%
Test Instrument: Lisun WT2080 LED Power Driver Tester
Operator: Inspector:
Test Time:2016-12-06

Input & Output Characteristics Test Report

Input Characteristics Test Report [Narrow Band]



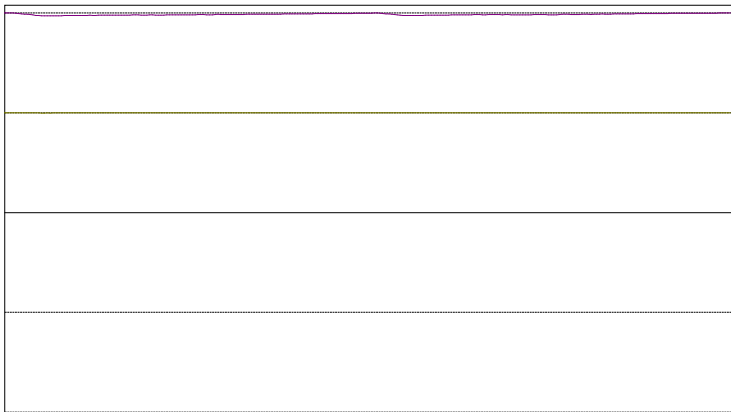
Voltage: 229.969(V)
 VCF: 1.420
 Vthd(IEC): 0.61%
 Current: 0.097(A)
 ACF: 1.402
 Athd(IEC): 9.07%
 Power: 21.4(W)
 Power Factor: 0.9560
 Frequency: 50.00(Hz)



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

Current Spectrum
 H3: 7.31%
 H5: 2.46%
 H7: 2.57%
 H9: 1.18%

Output characteristics



Lamp Voltage(rms):37.17V
 Lamp Current(rms):0.5003A
 Power:18.59W
 Ripple Current:0.000A
 Energy Efficiency:0.871