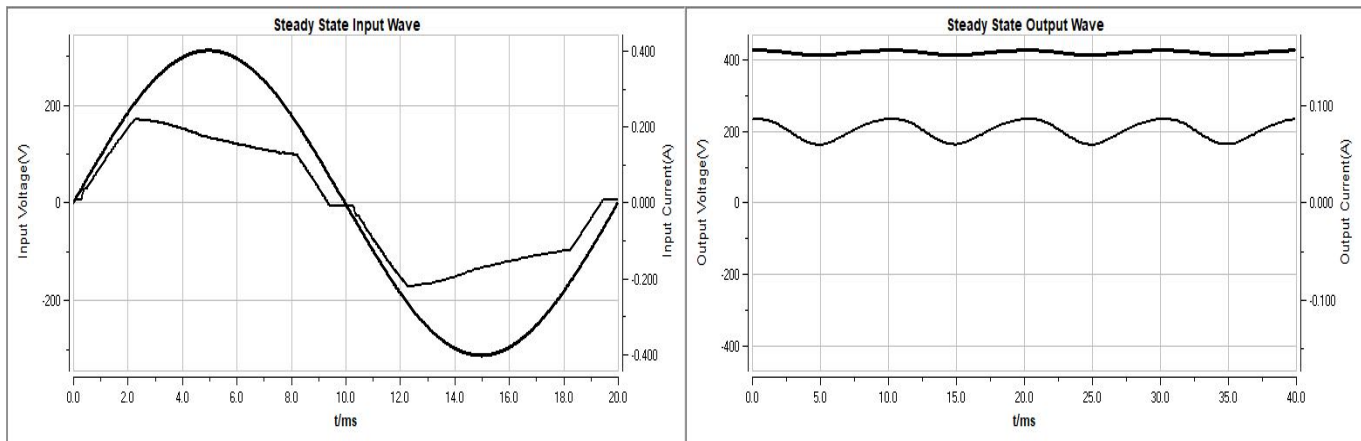


## Synthesized Test Report

Steady State Vol Range(%):            Load Adjustment(%):  
Voltage Adjustment(%):0.2            Power Factor:  
Full Load Efficiency(%):            Input Impact Cur(A):1.746  
Vol Ripple(V):0.0                    Cur Ripple(A):0.005  
Start-up Time(s): ---                Overshoot Margin Vol of Start(%):



Steady State Test Condition: Input Vol:220.0V    Mid Load Cur

LED Drive Power Type: Con Voltage

Rank According to <<Lighting LED Drive Power Standard>>: ---

Qualify According to Custom Define: ---

Model:LED driver 32W 80mA  
Manufacture:ELMARK  
Date:2018-09-26  
Humidity(%):65  
Test Device: EVERFINE LT-101A

Number:LED driver 32W TRACYLED  
Tester:Petya Marinova  
TMP(deg.):20  
Remarks:SH18BG-JC-ELM01-1\_4872

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## Steady State Test Data

### Steady State Test Data

1. Condition: Input Vol:190.0V Mid Load Cur  
Input: U:190.4V I:0.166A P:31.25W PF:0.989 F:50.01Hz  $\eta$ : 97.0% Output: U=418.4V I=0.073A P=30.30W
2. Condition: Input Vol:220.0V Mid Load Cur  
Input: U:220.3V I:0.149A P:31.81W PF:0.969 F:50.01Hz  $\eta$ : 98.1% Output: U=418.7V I=0.075A P=31.21W
3. Condition: Input Vol:240.0V Mid Load Cur  
Input: U:240.3V I:0.139A P:32.15W PF:0.963 F:50.00Hz  $\eta$ : 97.1% Output: U=418.5V I=0.075A P=31.21W

### Adjustment Test Data

1. Condition: Input Vol:220.0V Mid Load Cur  
Input: U:220.3V I:0.149A P:31.81W PF:0.969 F:50.01Hz  $\eta$ : 97.9% Output: U=417.8V I=0.075A P=31.14W
2. Condition: Input Vol:190.0V Mid Load Cur  
Input: U:190.4V I:0.165A P:31.06W PF:0.989 F:50.01Hz  $\eta$ : 97.1% Output: U=416.6V I=0.073A P=30.17W
3. Condition: Input Vol:220.0V Mid Load Cur  
Input: U:220.3V I:0.149A P:31.81W PF:0.969 F:50.01Hz  $\eta$ : 97.8% Output: U=417.4V I=0.075A P=31.11W
4. Condition: Input Vol:240.0V Mid Load Cur  
Input: U:240.3V I:0.138A P:31.92W PF:0.963 F:50.00Hz  $\eta$ : 97.5% Output: U=417.5V I=0.075A P=31.13W

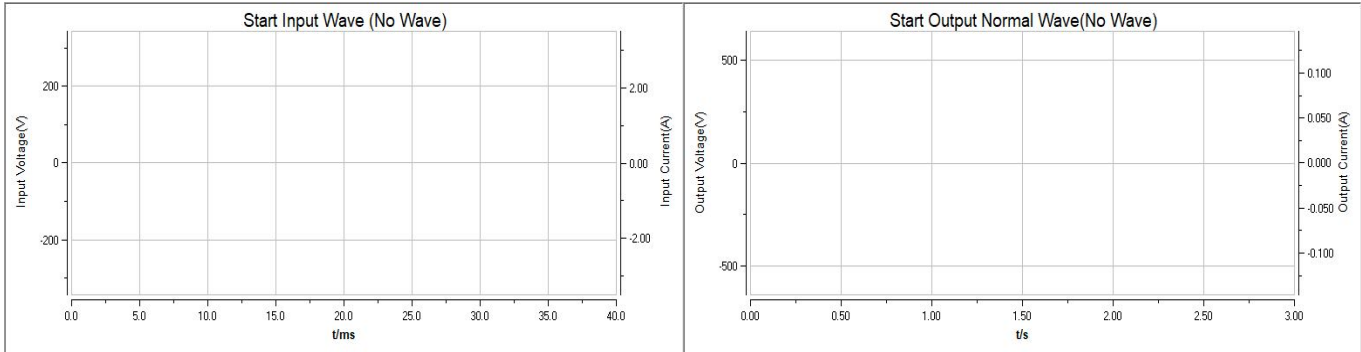
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Model:LED driver 32W 80mA  
Manufactory:ELMARK  
Date:2018-09-26  
Humidity(%):65  
Test Device: EVERFINE LT-101A

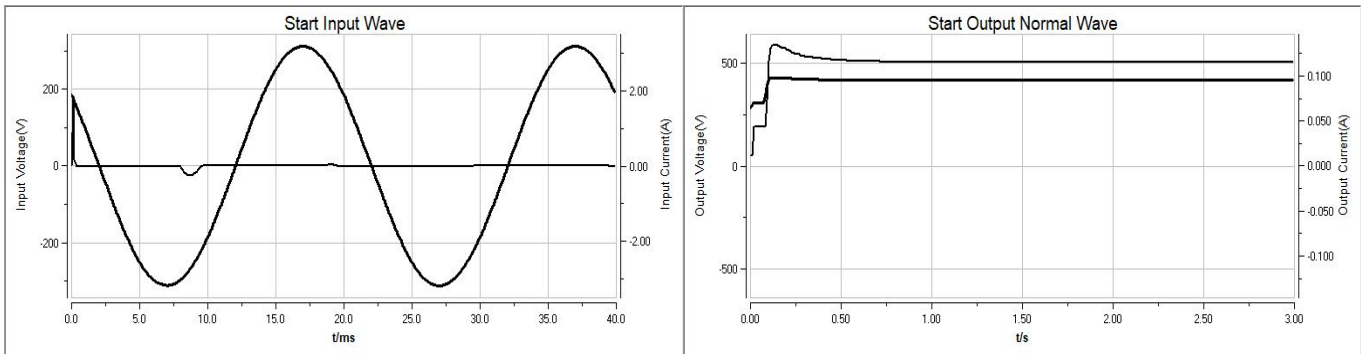
Number:LED driver 32W TRACYLED  
Tester:Petya Marinova  
TMP(deg.):20  
Remarks:SH18BG-JC-ELM01-1\_4872

## Start-up Input/Output Wave

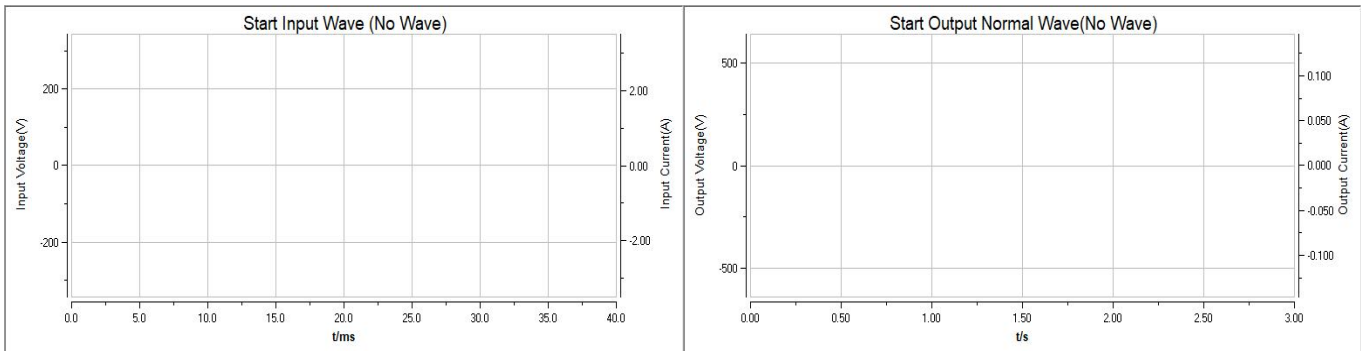
### 1. Input Vol:220.0V Min Load Cur



### 2. Input Vol:220.0V Mid Load Cur



### 3. Input Volt:220.0V Max Load Cur



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Tester:Petya Marinova  
TMP(deg.):20  
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**Start-up Test Data****1. Condition: Input Vol: 220.0V Mid Load Cur**

Input Parameters: Impact Cur: 1.746A

Peak Vol: 311.9V

Output Parameters: Start-up Time: 0.00s

Peak Vol: 426.8V

Peak Cur: 0.133A

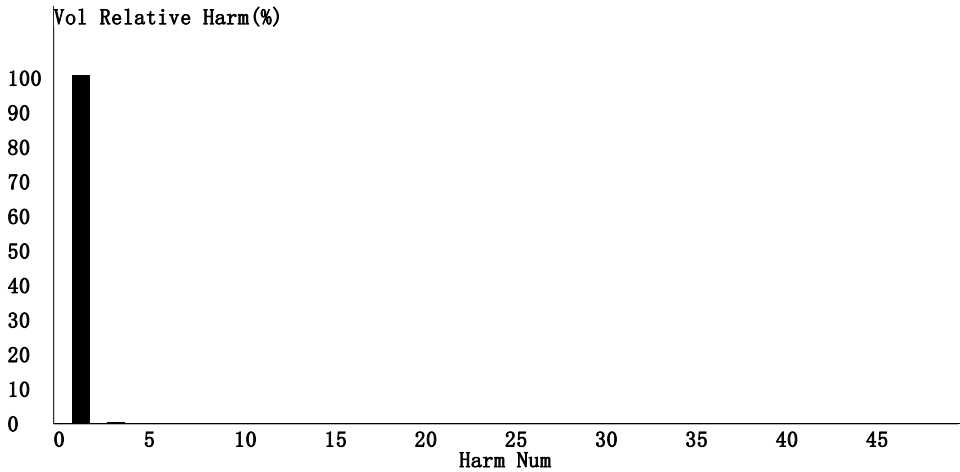
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Model:LED driver 32W 80mA  
Manufactory:ELMARK  
Date:2018-09-26  
Humidity(%):65  
Test Device: EVERFINE LT-101A

Number:LED driver 32W TRACYLED  
Tester:Petya Marinova  
TMP(deg.):20  
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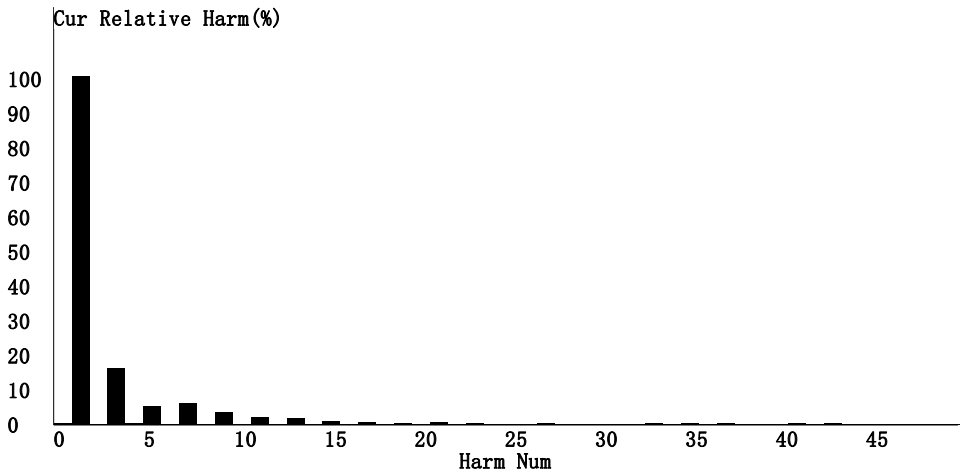
## Steady State Input Harm Wave

### Steady State Input Vol Harm Wave



Input Vol Harm IEC:0.4%  
 Input Vol Harm CSA:0.4%  
 1degree Relative Harm:100.0%

### Steady State Input Cur Harm Wave



Input Cur Harm IEC:18.7%  
 Input Cur Harm CSA:18.4%  
 1degree Relative Harm:100.0%  
 3degree Relative Harm:16.3%  
 5degree Relative Harm:5.3%  
 7degree Relative Harm:6.1%  
 9degree Relative Harm:3.4%  
 11degree Relative Harm:1.9%  
 13degree Relative Harm:1.8%

Steady State Input Vol and Cur Harm Test Condition:  
 Input Vol:220.0V Mid Load Cur

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## Steady State Input Harm Data

Harm Num	Vol Harm(V)	Vol Relative Harm(%)	Cur Harm(A)	Cur Relative Harm(%)	Cur Harm per(mA/W)
1	220.3	100.0	0.147	100.0	4.620
2	0.4	0.2	0.000	0.2	0.008
3	0.6	0.3	0.024	16.3	0.753
4	0.2	0.1	0.000	0.2	0.011
5	0.2	0.1	0.008	5.3	0.245
6	0.1	0.1	0.000	0.1	0.006
7	0.1	0.0	0.009	6.1	0.281
8	0.1	0.0	0.000	0.1	0.003
9	0.0	0.0	0.005	3.4	0.156
10	0.0	0.0	0.000	0.1	0.004
11	0.0	0.0	0.003	1.9	0.086
12	0.0	0.0	0.000	0.1	0.003
13	0.0	0.0	0.003	1.8	0.082
14	0.0	0.0	0.000	0.0	0.001
15	0.0	0.0	0.001	0.9	0.040
16	0.0	0.0	0.000	0.0	0.001
17	0.0	0.0	0.001	0.6	0.027
18	0.0	0.0	0.000	0.0	0.002
19	0.0	0.0	0.000	0.3	0.014
20	0.0	0.0	0.000	0.0	0.002
21	0.0	0.0	0.001	0.6	0.026
22	0.0	0.0	0.000	0.0	0.001
23	0.0	0.0	0.001	0.4	0.021
24	0.1	0.0	0.000	0.2	0.008
25	0.0	0.0	0.000	0.0	0.000
26	0.1	0.0	0.000	0.2	0.007
27	0.0	0.0	0.000	0.3	0.013
28	0.0	0.0	0.000	0.0	0.001
29	0.0	0.0	0.000	0.2	0.008
30	0.0	0.0	0.000	0.0	0.002
31	0.0	0.0	0.000	0.2	0.008
32	0.0	0.0	0.000	0.0	0.002
33	0.0	0.0	0.000	0.2	0.010
34	0.0	0.0	0.000	0.0	0.001
35	0.0	0.0	0.000	0.2	0.009
36	0.0	0.0	0.000	0.0	0.001
37	0.0	0.0	0.000	0.2	0.010
38	0.0	0.0	0.000	0.1	0.003
39	0.0	0.0	0.000	0.2	0.008
40	0.0	0.0	0.000	0.0	0.001
41	0.0	0.0	0.000	0.2	0.011
42	0.0	0.0	0.000	0.0	0.000
43	0.0	0.0	0.000	0.2	0.010
44	0.0	0.0	0.000	0.0	0.001
45	0.0	0.0	0.000	0.1	0.006
46	0.0	0.0	0.000	0.0	0.001
47	0.0	0.0	0.000	0.1	0.003
48	0.0	0.0	0.000	0.0	0.001
49	0.0	0.0	0.000	0.2	0.008
50	0.0	0.0	0.000	0.1	0.003

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