

SSL2103 230v flyback 17w par38 demo board test

1. Electrical test

Test with 9LEDS

Input voltage(vac)	220	230	240	250	260
Input power(w)	16.176	17.703	18.135	18.28	18.419
PF value	0.962	0.953	0.945	0.94	0.935
LED voltage(v)	29.57	29.81	29.828	29.82	29.83
LED current	468.7	509	520.5	525.2	527.6
Output power(w)	13.836	15.153	15.507	15.629	15.715
Efficiency	85.5%	85.6%	85.5%	85.5%	85.3%

2. Dimmer list

Test with below dimmers, no flickering.

For Leading edge dimmers:

Berker 2819

Berker 2873

Gira 0300 00/I01

Busch-Dimmer 2250U

Busch-Dimmer 2200

Clipsal No.E2032v

Legrand V004

Flexalite FL630D

Kiny (push dimmer. sw) DF-300P-2w

松本世通

美尔特

曼科

For trailing edge dimmers:

Berker 286710

Berker 2874

Gira 030700/I02

Busch-Dimmer 6513 U102

Richmond lighting DG09007,

Richmond lighting DG07093

Jung licht-management 243E4

Jung licht-management 22570E

3. AC dimming curve

Test table with 9LEDS load

Input voltage (Vac)	80	90	100	110	120	130	140	150	160		
LED current (mA)	3	7.3	13.86	21.1	30	44.5	61.6	83.5	112		
Output watts(w)	0.072	0.175	0.34	0.527	0.76	1.15	1.61	2.21	3		
	170	180	190	200	210	220	230	240	250	260	270
	152	193	253	325	400	463	510	523	524	525	525
	4.16	5.37	7.17	9.36	11.7	13.6	15.2	15.48	15.5	15.51	15.52

