



LED Product Report Card

Manufacturer: NXP
Applicable Model Numbers: SSL2101 / SSL2102

Manufacturer's Description

Type of Fixture: Dimmable LED driver
Operating Voltage: 120 Vac
Input Power: Not Specified
Current: Not Specified
Frequency: Not Specified
Control Types: Not Specified
Dimming Range: Not Specified
Output Power: 10W
Lumens: N/A

Lutron Test Results

Date Tested: August 17, 2009

Model Number Tested:

Smooth and Continuous: No, due to a step in the light output near 100 Vac.

Test Notes: Test was conducted using NXP's fly back demo board for the SSL2101, provided by NXP

Lutron Recommended Compatible Products

Product	Part Number	Fixtures per Dimmer	Measured Light Output Range ⁽¹⁾	Comments
Vierti	VTELV-600M	1 – 43	2% - 95%	Low end trim required
Nova	N-600 ⁽²⁾	1 – 6	Off – 95%	
Nova T*	NT-600 ⁽²⁾	1 – 6	Off – 95%	
Glyder	GL-600 ⁽²⁾	1 – 6	Off – 95%	
Skylark	S-600 ⁽²⁾	1 – 6	Off – 95%	
Homeworks	HRD-5NE, HWD-5NE	1 - 36	2% - 95%	Low end trim required
	HW-RPM-4A-120	1 – 85 per output	2% - 95%	Low end trim required Max. 137 per module
Commercial Systems	LP-RPM-4A-120	1 – 85 per output	2% - 95%	Low end trim required Max. 137 per module

⁽¹⁾ Values are based on light output using the specified dimming control, and may not be an indication of the fixture's full capability

⁽²⁾ Some performance issues (flicker or shimmer) present as the slider is moved close to low-end

Comments: Reverse phase control with a low-end trim would be the preferred method of control due to a high repetitive peak current. There is also a need to set the low end to at least 50 Vac to allow the LEDs to start within 4 seconds. There is functionality below 50 Vac, but the long start delays would not make it practical for a turn-on point. Slide to off products would be a good choice, due to their

natural overshoot of low-end when turned on. Low-end delays may also be dependent on the type and number of LEDs used. Some changes were noted when different light engines were connected to the output of the driver board.