LUTRON®
Product Report Card

Manufacturer: Lighting Science
Model Number Tested: DFN 38 WW SP 120
Other Model Numbers: DFN 38 (WW FL/WW SP/NW NFL/NW FL/NW/SP) 120V

Manufacturer's Description

Type of device: LED
Operating voltage: 120V
Input Power 18 W
Input Current: 0.18 A
Input Frequency: 60Hz

Control Type: Forward Phase
Dimming Range: 100%-10%
Output Power: Not Specified
Lumen Output: 940

Lutron Test Results

Date Tested: 11-Aug-10
Figure of Merit: N/A
Test Voltage: 120 V
Test Notes: None

Lutron Recommended Compatible Products

Lutron products not in this list can be considered to be not compatible, based on our testing.

Product	Model Number	Fixtures per Dimmer		Measured Dimming Range (1)		Perceived Low End(2)	Comments
		Minimum	Maximum	Low End	High End		
Wallbox Dimmers							
No applicable results							
Commercial Systems							
Panel Module	HW/LP-RPM-4A-120	1	18	5%	99%	22%	Startup delay at low end around 2.5 sec
Panel Module	HW/LP-RPM-4U-120	1	18	5%	99%	22%	High end trim need to set 75% to avoid dead travel
Grafik QS	QSG-6D	1	7	4%	98%	20%	Low-end set for start time less than two seconds
Panel Module	GP (Harrier) Card with GRX-3503	1	19	3%	97%	18%	
Residential Systems							
Panel Module	HW/LP-RPM-4A-120	1	18	5%	99%	22%	Startup delay at low end around 2.5 sec
Panel Module	HW/LP-RPM-4U-120	1	18	5%	99%	22%	High end trim need to set 75% to avoid dead travel
Grafik QS	QSG-6D	1	7	4%	98%	20%	Low-end set for start time less than two seconds
Panel Module	GP (Harrier) Card with GRX-3503	1	19	3%	97%	18%	
Interfaces							
	PHPM-WBX with DVF-103P	1	19	10%	99%	31%	About 10% dead travel at high end
	PHPM-PA with QSG-6D	1	19	7%	97%	26%	
Notes:	(1) Values are based on light output using the specified dimming control, and may not be an indication of the fixture's full rated capability (2) Perceived light level percentage is the square root of the measured light level percentage, per IESNA Lighting Handbook						

Test Comments: Shimmer seen when light level changes near low end, but becomes stable when desired light level reached.

For any questions on this report, please contact the Lutron LED Center of Excellence at 877-DIM-LED8 or leds@lutron.com.
This information was posted with the consent and cooperation of the device manufacturer. Latest test results can always be found at www.lutron.com/LEDtool.