



LUTRON® Product Report Card

ID 787

Manufacturer: Insignia / Best Buy
Model Number Tested: NS-LED40F
Other Model Numbers: None

Manufacturer's Description

Type of device: LED A-LAMP 9W 450 Lumen
 Operating voltage: 120V
 Input Power: 9.0 W
 Input Current: 0.09 A
 Input Frequency: 60Hz

Control Type: Forward and Reverse Phase Control
 Dimming Range: 20%-100%
 Output Power: Not Specified
 Lumen Output: 450

Lutron Test Results

Date Tested: 31-Aug-12
 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		
<i>Wallbox Dimmers</i>							
Diva/ Skylark Contour/ Ariadni/ Toggler	C-L wall-mount dimmers	1	16	19%	95%	44%	Low end dim range must be adjusted on dimmer.
Maestro	MACL-153M	1	16	19%	91%	44%	Low end dim range must be adjusted on dimmer.
Maestro RF	MRF2-6ND	1	7	19%	95%	44%	Low end dim range must be adjusted on dimmer.
<i>Commercial Systems</i>							
Panel Module	HW/LP-RPM-4A-120	1	60	16%	95%	39%	Set load type to RP. Rating is per channel; total per module is 96.
Panel Module	HW/LP-RPM-4U-120	1	24	14%	95%	37%	Rating is per channel; total per module is 24.
Grafik QS	Grafik Eye QS Main Unit Family	1	10	19%	97%	44%	Rating is per output; total per Main Unit is 25
Panel Module	GP (Harrier) Card	1	24	2%	91%	13%	Rating is per output.
<i>Residential Systems</i>							
RadioRA 2	RRD-10ND	1	12	19%	95%	44%	Low end dim range must be adjusted on dimmer.
HomeWorks QS	HQRD-6ND	1	7	19%	95%	44%	Low end dim range must be adjusted on dimmer.
HomeWorks QS	HQRD-10ND	1	12	19%	95%	44%	Low end dim range must be adjusted on dimmer.
Panel Module	HW/LP-RPM-4A-120	1	60	16%	95%	39%	Set load type to RP. Rating is per channel; total per module is 96.
Panel Module	HW/LP-RPM-4U-120	1	24	14%	95%	37%	Rating is per channel; total per module is 24.
Grafik QS	Grafik Eye QS Main Unit Family	1	10	19%	97%	44%	Rating is per output; total per Main Unit is 25
Panel Module	GP (Harrier) Card	1	24	2%	91%	13%	Rating is per output.
<i>Interfaces ⁽³⁾</i>							
	PHPM-PA with Grafik Eye QS Main Unit	1	96	17%	96%	41%	Low end dim range must be adjusted on dimmer. Some high-end dead travel possible.

	PHPM-WBX with 3-wire fluorescent control	1	96	17%	96%	41%	Low end dim range must be adjusted on dimmer. Some high-end dead travel possible.
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 (3) Interfaces have been tested with the listed control; any compatible dimmer may be used instead, but high end/low end light levels may vary slightly						

Test Comments:

Performance verified with up to 16 fixtures per control. Maximum Fixtures per Dimmer value represents the maximum safe loading of the control. Some acoustic noise may be present at close range, especially with multiple lamps. Intermittent shimmer may be seen, especially at light levels below 20%, but may be eliminated by adjusting low end of dimmer.

*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.*