



Product Report Card

Manufacturer: EcoSmart
Model Number Tested: 1003020502
 Other Model Numbers: 1003020602, 1003020802

Manufacturer's Description

Type of Device: <u>LED 12 W R20</u>	Control Type: <u>Forward and Reverse Phase Control</u>
Operating Voltage: <u>120</u>	Dimming Range: <u>Not Specified</u>
Input Power: <u>12 W</u>	Output Power: <u>Not Specified</u>
Input Current: <u>0.1 A</u>	Lumen Output: <u>940 lm</u>
Input Frequency: <u>60 Hz</u>	Type/Shape: <u>R20</u>
	Base Type: <u>E26</u>

Lutron Test Results

Date Tested: 09/10/2018
 Test Voltage: 120 V
 Test Notes: Test results valid only at 120V and 60 Hz.

Lutron Recommended Products

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

Product	Model Number	Control Type ⁽¹⁾	Fixtures per Dimmer ⁽²⁾	Measured Dimming Range ⁽³⁾ (Software Trim Settings)		Perceived Low End ⁽⁴⁾	Comments
			Min-Max	Low End	High End		
<i>Commercial Systems</i>							
Stanza	SZ-6ND	FP	1 - 13	10%	100%	31%	
Panel Module	GP (Harrier) Card	FP	1 - 60	10%	100%	32%	Rating is per output. Use load type 2-1.
HomeWorksQS/myRoom	LQSE-4A1-D/MQSE-4A1-D/MQSE-3A1/MQSE-2A1-D, 120V, RP	RP	1 - 10	15%	100%	39%	
Vive	MRF2S-6ND	FP	1 - 12	20%	100%	44%	
<i>Interfaces</i>							
Power Modules	PHPM-PAwith Grafik Eye QS Main Unit	RP	1 - 160	10%	98%	32%	
Power Modules	PHPM-WBXwith 3-wire fluorescent control	RP	1 - 160	10%	98%	32%	
<i>Residential Systems</i>							
RadioRA 2	RRD-10ND	FP	1 - 12	20%	100%	44%	

Product	Model Number	Control Type	Fixtures per Dimmer	Measured Dimming Range (Software Trim Settings)		Perceived Low End	Comments
			Min-Max	Low End	High End		
HomeWorks QS	HQRD-6ND	FP	1 - 12	20%	100%	44%	
HomeWorks QS	HQRD-10ND	FP	1 - 12	20%	100%	44%	
HomeWorks	HxD-6ND	FP	1 - 13	10%	100%	31%	
Panel Module	GP (Harrier) Card	FP	1 - 60	10%	100%	32%	Rating is per output. Use load type 2-1.
RadioRA 2	Hybrid Keypad C.L RRD-HN6BRL	FP	1 - 8	10%	100%	31%	Installation with a neutral wire is required.
HomeWorks QS	Hybrid Keypad C.L HQRD-HN6BRL	FP	1 - 8	10%	100%	31%	Installation with a neutral wire is required.
HomeWorksQS/myRoom	LQSE-4A1-D/MQSE-4A1-D/MQSE-3A1/MQSE-2A1-D, 120V, RP	RP	1 - 10	15%	100%	39%	

WallBox Dimmers

Maestro Wireless	MRF2-6ND	FP	1 - 12	20%	100%	44%	
Diva/Skylark ContourReverse Phase LED Preset Dimmers	DVRP-253PCTRP-253P	RP	1 - 20	9%	97%	30%	
Nova T*Reverse Phase LEDSlide to-off Dimmer	NTRP-250	RP	1 - 20	8%	97%	28%	

Notes:

- * Identical model numbers with different compatibility codes may have different performance; () means there is no compatibility code assigned; contact technical support for additional information.
- (1) Control types of FP and RP represent Forward Phase and Reverse Phase, respectively. See product literature for details.
- (2) Maximum Fixtures per Dimmer value represents the maximum safe loading of the control.
- (3) Values are based on light output using the specified dimming control, and may not be an indication of the fixture's full rated capability. Values are set to optimize performance, such as reducing dead travel, ensuring that fixtures turn on at low end, reducing turn-on time at low end, and trimming out instability. Software trim values are indicated in parentheses when applicable.
- (4) Perceived light level percentage is the square root of the measured light level percentage, per IESNA Lighting Handbook.
- (5) 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.

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. Please be aware that device manufacturers may modify their product at any time, without notice to Lutron, and therefore Lutron cannot ensure future compatibility. For more detailed and up to date fixture specifications, performance and/or any related recall information, visit the manufacturer's website. The latest Lutron test results can always be found at www.lutron.com/LEDtool.