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ID: 3125

Product Report Card

Manufacturer: Fusion - USA
Model Number Tested: FLED7R20830
 Other Model Numbers: FLED7R20827, FLED7R20840

Manufacturer's Description

Type of Device: LED 7 W R20 Control Type: Forward and Reverse Phase Control
 Operating Voltage: 120 Dimming Range: Not Specified
 Input Power: 7 W Output Power: Not Specified
 Input Current: 0.06 A Lumen Output: 500 lm
 Input Frequency: 60 Hz Type/Shape: R20
 Base Type: E26

Lutron Test Results

Date Tested: 10/03/2017
 Test Voltage: 120 V
 Test Notes: Test results valid only at 120 V 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		
Commercial Systems							
Stanza	SZ-6ND	FP	1 - 9	14%	88%	38%	
Panel Module	HW/LP-RPM-4A-120	RP	1 - 106	15%	92%	38%	Rating is per channel; total per module is 169.
Panel Module	HW/LP-RPM-4U-120	FP	1 - 43	15%	95%	38%	Rating is per channel; total per module is 43.
Panel Module	GP (Harrier) Card	FP	1 - 43	15%	93%	38%	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 - 17	11%	94%	34%	Rating is per output; total quantity per Main Unit is 68.
Vive	MRF2S-6ELV	RP	1 - 21	16%	91%	40%	
Interfaces							
[none]	PHPM-PAwith Grafik Eye QS Main Unit	RP	1 - 106	13%	95%	36%	
[none]	PHPM-WBXwith 3-wire fluorescent control	RP	1 - 106	13%	95%	36%	
Residential Systems							
RadioRA 2	RRD-6NA	RP	1 - 21	16%	91%	40%	
HomeWorks QS	HQRD-6NA	RP	1 - 21	16%	91%	40%	
HomeWorks	HxD-6ND	FP	1 - 9	14%	88%	38%	
Panel Module	HW/LP-RPM-4A-120	RP	1 - 106	15%	92%	38%	Rating is per channel; total per module is 169.
Panel Module	HW/LP-RPM-4U-120	FP	1 - 43	15%	95%	38%	Rating is per channel; total per module is 43.
Panel Module	GP (Harrier) Card	FP	1 - 43	15%	93%	38%	Rating is per output. Use load type 2-1.
RadioRA 2	Hybrid Keypad C.L RRD-HN6BRL	FP	1 - 14	14%	88%	38%	Installation with a neutral wire is required.
HomeWorks QS	Hybrid Keypad C.L HQRD-HN6BRL	FP	1 - 14	14%	88%	38%	Installation with a neutral wire is required.

Product	Model Number	Control Type	Fixtures per Dimmer	Measured Dimming Range (Software Trim Settings)		Perceived Low End	Comments
			Min-Max	Low End	High End		
HomeWorksQS/myRoom	LQSE-4A1-D/MQSE-4A1-D/MQSE-3A1/MQSE-2A1-D, 120V, RP	RP	1 - 17	11%	94%	34%	Rating is per output; total quantity per Main Unit is 68.
Homeworks QS	LQSE-4A-120-D, RP	RP	1 - 32	15%	95%	38%	

WallBox Dimmers

Diva/Skylark/Skylark Contour/Ariadni/Toggler/ Lumea	CL wall-mount dimmers (T8, T9)	FP	1 - 21	17%	89%	42%	
Maestro	MACL-153M (TX)	FP	1 - 21	16%	86%	41%	
Maestro Wireless	MRF2-6ELV	RP	1 - 21	16%	91%	40%	Load type not selectable.
Diva/Skylark ContourReverse Phase LED Preset Dimmers	DVRP-253PCTRP-253P	RP	1 - 35	8%	87%	28%	
Nova T*Reverse Phase LEDSlide to-off Dimmer	NTRP-250	RP	1 - 35	8%	87%	28%	
Skylark Contour Slide to-off	CTCL-150	FP	1 - 21	17%	89%	42%	
Caseta WirelessPhase Selectable	PD-5NE	RP	1 - 35	15%	89%	38%	

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.