

Manufacturer: Sylvania (Osram)
Model Number Tested: LED21PAR38/DIM/P/930/FL20 (78745)
Other Model Numbers: LED21PAR38/GU24/DIM//P/930/FL30 (78741)

Manufacturer's Description

Type of device:	<u>LED 21W PAR38</u>	Control Type:	<u>Forward Phase</u>
Operating voltage:	<u>120V</u>	Dimming Range:	<u>Not Specified</u>
Input Power:	<u>21.0 W</u>	Output Power:	<u>Not Specified</u>
Input Current:	<u>0.29 A</u>	Lumen Output:	<u>1150 lm</u>
Input Frequency:	<u>60Hz</u>	Type/Shape:	<u>PAR38</u>
		Base Type:	<u>E26</u>

Lutron Test Results

Date Tested: 20-Jan-14
 Test Voltage: 120 V
 Test Notes: None

Lutron Recommended Compatible Products

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

Product	Model Number	Fixtures per Dimmer		Measured Dimming Range ⁽¹⁾		Perceived Low End ⁽²⁾	Comments ⁽³⁾
		Minimum	Maximum	Low End	High End		
<i>Wallbox Dimmers</i>							
Diva/ Skylark/ Skylark Contour/ Ariadni/ Toggler/ Lumea	C-L wall-mount dimmers (T1)*	1	7	12%	100%	34%	Performance may vary with dimmers manufactured before 2013.
Maestro	MACL-153M (L)*	1	7	5%	100%	23%	May experience steppy dimming.
Maestro Wireless	MRF2-6ND	1	7	7%	100%	26%	May experience steppy dimming.
Maestro Sensor	MSCL-OP153M (T2)*/ MSCL-VP153M (T2)*	1	7	6%	100%	24%	May experience steppy dimming.
Caseta Wireless	PD-6WCL (SD11)*	1	7	5%	99%	23%	May experience steppy dimming.
<i>Commercial Systems</i>							
Panel Module	HW/LP-RPM-4A-120	1	16	10%	98%	31%	May experience steppy dimming. Set load type to FP. Rating is per channel; total per module is 25.
Panel Module	HW/LP-RPM-4U-120	1	25	6%	98%	24%	May experience steppy dimming. Rating is per channel; total per module is 25.
Grafik QS	Grafik Eye QS Main Unit Family	1	10	5%	98%	22%	May experience steppy dimming. Rating is per output; total quantity per Main Unit is 25.
Panel Module	GP (Harrier) Card	1	25	10%	97%	31%	May experience steppy dimming. Rating is per output.
Grafik Eye 3000	Grafik Eye 3000 Family	1	10	5%	98%	22%	May experience steppy dimming. Rating is per output; total quantity per Main Unit is 15/18/25/25 for 2/3/4/6-Zone units, respectively.
<i>Residential Systems</i>							
RadioRA 2	RRD-10ND	1	7	7%	100%	26%	May experience steppy dimming.
HomeWorks QS	HQRD-6ND	1	7	7%	100%	26%	May experience steppy dimming.

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<i>Interfaces⁽⁴⁾</i>							
<i>No applicable results</i>							
Notes:	<p>* Identical model numbers with different compatibility codes may have different performance; () means there is no compatibility code assigned; contact technical support for additional information</p> <p>(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</p> <p>(2) Perceived light level percentage is the square root of the measured light level percentage, per IESNA Lighting Handbook</p> <p>(3) Load types of FP and RP represent Forward Phase and Reverse Phase, respectively. See product literature for details.</p> <p>(4) 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</p>						

Test Comments: Performance verified with up to 7 fixtures per control. Maximum Fixtures per Dimmer value represents the maximum safe loading of the control.

*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.*