

### Phase-Adaptive DIN Rail Module LED Compatibility List

English

This document outlines the lamps which have been tested for overall compatibility with myRoom™ and HomeWorks® QS phase-adaptive modules specified below. Numerous lamps have been tested with these controls, however not all met the high quality performance criteria approved by Lutron. The following lamps have been found to have good dimming performance when used with Lutron® phase-adaptive modules. Lutron will continue to update this list as more lamps are approved. Please refer to [www.lutron.com/LEDtool](http://www.lutron.com/LEDtool) for the most up-to-date information (after July 1, 2015).

#### Model Numbers

myRoom™: MQSE-4A1-D, MQSE-3A1-D, MQSE-2A1-D

HomeWorks® QS: LQSE-4A1-D

#### 120 V Compatible LEDs

All testing was completed at 120 V, 60 Hz unless otherwise specified.

Type	Manufacturer	Model Number	Required Phase Control Type <sup>1</sup>	Fixtures per Zone <sup>2</sup>		Software Trim Settings <sup>3</sup>		Measured Dimming Range <sup>4</sup>		Perceived Low-End <sup>5</sup>	Comments
				Minimum	Maximum	Low-End	High-End	Low-End	High-End		
A19	Cree	BA19-045270MF-12DE26-1U100	Reverse	1	8	23	91	13%	95%	37%	—
A21	Philips	9290002595A	Reverse	1	8	25	99	10%	95%	31%	—
BR30	Cree	BBR30-06527FLF-12DE26-1U100	Reverse	1	5	9	94	2%	97%	15%	Some shimmer in the low end.
	Philips	9290002197	Reverse	1	6	30	78	12%	94%	34%	Some steppy dimming in the mid range.
Candelabra	GE	LED4DCACCF	Forward	1	4	6	99	8%	96%	28%	Some shimmer in the low end, more visible in applications with higher quantity fixtures. Low-end trim needed to remove shimmer.
		LED4DCACCE	Reverse	1	10	25	55	4%	93%	21%	Low-end trim needed to remove shimmer.
	Sylvania	LED4B10CBENTDIM827	Reverse	1	20	1	99	1%	96%	9%	—
Downlight	Sylvania	LEDRT4600827FL80	Forward	1	10	4	99	5%	99%	22%	Low-end trim needed to minimize shimmer.
GU10/MR16	FEIT	MR16GU10DMLED	Forward	1	8	24	67	19%	97%	43%	Low-end trim needed for fixture light stability. High-end trim needed for dead travel.
PAR20	CRS	QP2040FLCWE	Reverse	1	9	22	75	1%	100%	9%	Low-end trim needed in applications with higher quantity fixtures.
PAR30	Bulbrite	LED15PAR30NF830D	Reverse	1	6	23	91	13%	95%	37%	—
	GE	LED12PAR302W827	Reverse	1	11	15	82	10%	88%	32%	High-end trim needed in applications with higher quantity fixtures.
PAR38	GE	LED12DP38W	Reverse	1	4	23	91	13%	95%	37%	Low-end trim needed for consistent turn-on with multiple fixtures.

#### Notes:

- <sup>1</sup> Reverse = Reverse Phase; Forward = Forward Phase.
- <sup>2</sup> Rating is per channel and is applicable for each zone.
- <sup>3</sup> "Software Trim Settings" refers to adjusting the low- and high-end trim settings on the phase-adaptive module. High-end trim is set to reduce dead travel; low-end trim is set to reduce turn-on time and eliminate flicker. If the trim setting is not listed, testing is still in progress to determine the proper setting. See product instruction sheet for programming information.
- <sup>4</sup> Values are based on light output using the specified dimming control, and may not be an indication of the full rated capability of the fixture.
- <sup>5</sup> Perceived light level percentage is the square root of the measured light level percentage, per IESNA Lighting Handbook.

For any questions, please contact the Lutron® LED Center of Excellence at 1.877.DIM.LED8 (USA only) or Technical Support at [LEDs@lutron.com](mailto:LEDs@lutron.com)

## 240 V Compatible LEDs

All testing was completed at 240 V, 50 Hz unless otherwise specified.

Type	Manufacturer	Model Number	Required Phase Control Type <sup>1</sup>	Fixtures per Zone <sup>2</sup>		Software Trim Settings <sup>3</sup>		Measured Dimming Range <sup>4</sup>		Perceived Low-End <sup>5</sup>	Comments
				Minimum	Maximum	Low-End	High-End	Low-End	High-End		
A19	Ledon	28000287	Reverse	1	12	14	77	6%	100%	25%	Some steppy dimming throughout the whole dimming range.
	Philips	9290002428	Reverse	1	11	19	59	4%	100%	20%	—
Candelabra	Fasual	LCBL-3W	Reverse	1	49	7	99	14%	91%	38%	Low-end trim needed for multiple-fixture light stability.
Downlight	Megaman	F28951RC	Forward	1	12	3	97	0%	100%	4%	—
	Robus	RF9LED-WW	Forward	1	14	14	60	20%	95%	45%	Low-end trim needed to minimize shimmer.
GU10	ALL LED	AGU10007D40	Reverse	1	19	5	55	1%	92%	11%	—
	Integral LED	ILGU105.5D03KBDNA 11-71-43	Reverse	1	21	28	78	14%	98%	37%	—
	Kosnic	KTC06DIMGU10-S65	Reverse	1	7	27	78	7%	90%	27%	Some steppy dimming on the low end.
	Lumanor	COBGU105WWD	Reverse	1	27	36	85	16%	91%	40%	—
	Megaman	LR1108d-50H35D	Forward	1	15	23	65	6%	96%	24%	—
R50	Robus	R50GU10D-WW	Reverse	1	24	15	63	11%	99%	34%	—

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- <sup>1</sup> Reverse = Reverse Phase; Forward = Forward Phase.
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- <sup>3</sup> "Software Trim Settings" refers to adjusting the low- and high-end trim settings on the phase-adaptive module. High-end trim is set to reduce dead travel; low-end trim is set to reduce turn-on time and eliminate flicker. If the trim setting is not listed, testing is still in progress to determine the proper setting. See product instruction sheet for programming information.
- <sup>4</sup> Values are based on light output using the specified dimming control, and may not be an indication of the full rated capability of the fixture.
- <sup>5</sup> Perceived light level percentage is the square root of the measured light level percentage, per IESNA Lighting Handbook.

For any questions, please contact the Lutron® LED Center of Excellence at 1.877.DIM.LED8 (USA only) or Technical Support at LEDs@lutron.com

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