

# Recommended Dimmers for LR6™ and LR4™ Recessed Downlight Products\*

## MODEL NUMBERS: LR6, LR6C, LR6-GU24, LR6C-GU24, LR6-DR650, LR6C-DR650, LR4E-15, LR4E-15C, LR4E-30, LR4E-30C

As a result of continual advancements in LED technology, the efficiency of the LR6 and LR4 product families is constantly improving. However, in some instances, these performance enhancements (higher efficacy) have coincided with increased dimmer compatibility issues arising from the fixtures' lower power consumption.

We are pleased to announce that Cree has developed a solution for these cases and has already begun implementing it in our current production lines. In addition, to ensure the best dimming performance from previously installed fixtures, we now recommend using a 3-wire dimmer (with a neutral wire) or one of the leading solutions listed below. We continue to actively test and review our dimmer and controls compatibility to ensure the utmost quality you've come to expect from Cree. As such, we plan to expand this list rapidly as our testing teams verify the performance of today's common marketplace lighting controls.

**PLEASE NOTE:** LR6-DR1000 models are not affected by these issues. A complete list of LR6-DR1000 compatible dimmers can be found on the following page.

If you have any further questions or would like to learn more about these efforts, please contact Cree LED Lighting Customer Service.

Manufacturer	Series/Model	Part Number(s)	Type	Min/Max Fixtures Per Dimmer
Lutron	Skylark	SF-10P or SF-103P	600W 3-wire Fluorescent, Single Pole or 3-way	1 - 12
Lutron	Maestro Wireless	MRF2-6ND	600W Incandescent	1 - 8
Lutron	RadioRA 2	RRD-10ND	Incandescent	1 - 12
Lutron	RadioRA 2	RRD-8ANS	Incandescent	1 - 12
Lutron	RadioRA 2	RRD-6NA	Incandescent	1 - 36



**Cree LED Lighting**  
Morrisville, NC 27560 USA  
Phone (919) 287-7700  
Fax (919) 991-0730  
[www.CreeLEDLighting.com](http://www.CreeLEDLighting.com)

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\*The presence of a dimmer on this chart is not a guarantee or warranty of the compatibility in any particular installation. The absence of a dimmer from this chart does not necessarily imply incompatibility. Please reference the dimmer manufacturer's instructions for installation and further product information.

# Recommended Dimmers for LR6-DR1000

## Recessed Downlight Products\*

### MODEL NUMBERS: LR6-DR1000, LR6C-DR1000

Manufacturer	Series/Model	Part Number(s)	Type	Min/Max Fixtures Per Dimmer
Leviton	Decora - SureSlide	6633-PLW	600W Incandescent 3-way	1 - 6
Leviton	Illumatech	IPIO6-ILM	600W Incandescent 3-way	1 - 6
Leviton	Trimatron	6681 to 6684	600W Incandescent Single Pole	1 - 7
Lutron	Nova	N-600	600W Incandescent Single Pole	1 - 6
Lutron	Nova	NLV-1003P	1000W Magnetic Low Voltage 3-way	2 - 13
Lutron	Nova	NLV-1503P	1500W Magnetic Low Voltage 3-way	3 - 20
Lutron	Nova	NLV-2003P	2000W Magnetic Low Voltage 3-way	4 - 27
Lutron	Skylark	S-600 or S-603	600W Incandescent Single Pole or 3-way	1 - 6
Lutron	Skylark	CTCL-153P	150W CFL/LED	1 - 7
Lutron	Diva	DVCL-153P	150W CFL/LED	1 - 7
Lutron	Ariadni	AYCL-153P	150W CFL/LED	1 - 7
Lutron	Lumea	LGCL-153P	150W CFL/LED	1 - 7
Lutron	Credenza	TTCL-100H	100W CFL/LED	1 - 5
Lutron	Skylark	SF-10P or SF-103P	600W 3-wire Fluorescent, Single Pole or 3-way	1 - 12
Lutron	Maestro Wireless	MRF2-6ND	600W Incandescent	1 - 8
Lutron	RadioRA 2	RRD-10ND	Incandescent	1 - 12
Lutron	RadioRA 2	RRD-8ANS	Incandescent	1 - 12
Lutron	RadioRA 2	RRD-6NA	Incandescent	1 - 36

### APPLICATION NOTES

- LR6 and LR4 downlight products are designed to dim to approximately 25% of full light output. Please note that, depending on the observer and a variety of optical factors (e.g., pupil dilation, external light sources, etc.), a 25% dimming level may appear brighter than expected. Apparent light levels may be closer to 40% in some applications, even though actual light output is approximately 25%.
- Due to an electronic characteristic known as Repetitive Peak Current, which results from inrush current at the phase cut, Cree downlights should be treated as a 75W load for sizing purposes when used with dimmers.

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