



# LED Product Report Card



Manufacturer: Cree  
 Applicable Model Numbers: LR6, LR6-GU24, LR6C, LR6C-GU24, DR-1000

### Manufacturer's Description

Type of Fixture: Recessed Downlight  
 Operating Voltage: 120 Vac  
 Input Power: 12 W  
 Current: Not Specified  
 Frequency: 60 Hz  
 Control Types: Standard Incandescent Dimming  
 Dimming Range: 25% - 100% (one fixture)  
 Output Power: N/A  
 Lumens: 650 lumens

### Lutron Test Results

Date Tested: Feb 25, 2009 Updated: June 10, 2011  
 Model Number Tested: LR6C  
 Smooth and Continuous: Yes  
 Test Notes:

### Lutron Recommended Compatible Products

Product	Part Number	Fixtures per Dimmer	Measured Light Output Range <sup>(1)</sup>	Comments
<b>Maestro Wireless</b>	MRF2-6ND	1 - 8	26% - 90%	Low-end trim required
<b>RadioRA2</b>	RRD-10ND	1 - 12	21% - 90%	Low-end trim available
	RRD-8ANS	1 - 12	100%	
	RRD-6NA	1 - 36	26% - 90%	Low-end trim available
<b>Homeworks</b>	HWD-6ND HRD-6ND	1 - 8	21% - 84%	Low-end trim available
	HW-RPM-4A-120	1 - 16 per output	23% - 100%	Max. 25 per module Low-end trim available
<b>Commercial Systems</b>	LP-RPM-4A-120	1 - 16 per output	23% - 100%	Max. 25 fixtures per module Low-end trim available
	120V Grafik Eye QS Main Unit	1 - 10 per output	20% - 100%	Max. 25 fixtures per unit Low-end trim available

Product	Part Number	Fixtures per Dimmer	Measured Light Output Range <sup>(1)</sup>	Comments
Interfaces	FDI-FTU <sup>(2)</sup>	1 - 16	23% - 96%	Low-end trim available
	PHPM-PA or - WBX	1 - 25	20% - 100%	Low-end trim available

<sup>(1)</sup> Values are based on light output using the specified dimming control, and may not be an indication of the fixture's full capability

<sup>(2)</sup> Controlled with Ariadni, Diva, Lyneo Lx, Nova, Nova T\*, Skylark, Vareo, or Vieri VT-1000MN dimmers.

**Comments:** Due to a high Repetitive Peak Current spike, each fixture should be perceived as 75 W for dimmer loading purposes. The high current spike of a single fixture may create acoustic noise in the dimmer, which will increase as fixtures are added to the systems. A single fixture can be dimmed to around 20%. However, the low end would need to be raised to provide consistent operation of multiple fixtures, as well as, help maintain the fixtures' operation in applications where line noise is a problem. This higher low-end value would set the low-end output nearer to 25%.

The ability to set the low-end trim is available on select 3-Wire Fluorescent dimmers, Homeworks, and Commercial Systems products. Refer to product documentation or [www.lutron.com](http://www.lutron.com) for details.

Latest test reports can always be found at [www.lutron.com/LEDtool](http://www.lutron.com/LEDtool).