



# LED Product Report Card

Manufacturer: Cooper / Halo  
 Applicable Model Numbers: ML706830

## Manufacturer's Description

Type of Fixture: Recessed Downlight  
 Operating Voltage: 120 Vac  
 Input Power: 14.8 W  
 Current: 123 mA  
 Frequency: 50/60 Hz  
 Control Types: Standard Incandescent Dimming, Electronic Low Voltage, Fluorescent  
 Dimming Range: 5% - 100% with incandescent dimmer  
 Output Power: N/A  
 Lumens: 662 lm (with the White Reflector trim ring)

## Lutron Test Results

Date Tested: May 13, 2009  
 Model Number Tested: ML706830  
 Smooth and Continuous: Yes  
 Test Notes: Testing and Recommendations based on 60 Hz frequency.

## Lutron Recommended Compatible Products

Product	Part Number	Fixtures per Dimmer	Measured Light Output Range <sup>(1)</sup>	Comments
Diva	DVELV-300P	1 – 15	9% - 99%	Delay at low-end possible
Maestro	MAELV-600	1 – 30	12% - 99%	Delay at low-end possible
Nova	NLV-600	1 – 5	9% - 100%	Low end trim required
Nova T*	NTLV-1000	1 – 7	10% - 99%	
Nova T*	NTELV-600	1 – 30	10% - 99%	
Skylark	SF-10P	1 – 8	15% - 99%	Low end trim required
Vierti	VTELV-600M	1 – 30	9% - 99%	Low end trim required
<b>Incandescent Dimmers</b>	<b>See comments below</b>			
<b>Homeworks</b>	HW-RPM-4A-120	1 – 60 per output	5% - 100%	Reverse Phase Control Max. 96 fixtures per module Low end trim required
	HW-RPM-4U-120	3 – 14 per output	5% - 100%	Max. 14 fixtures per module Low end trim required
	HWD-5NE, HRD-5NE	1 – 25	5% - 100%	Low end trim required
<b>Commercial Systems</b>	LP-RPM-4A-120	1 – 60 per output	5% - 100%	Reverse Phase Control Max. 96 fixtures per module Low end trim required
<b>Interfaces</b>	PHPM-WBX <sup>(2)</sup>	1 – 96	9% - 100%	Low end trim required
	PHPM-PA <sup>(3)</sup>	1 – 96	9% - 100%	Low end trim required

<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, Maestro, Nova, Nova T\*, Skylark, or Vareo 3-Wire Fluorescent dimmers, or GrafikEye

<sup>(3)</sup> Controlled with HomeWorks or Commercial Systems.

**Comments:** Use of 600 Watt incandescent dimmers will limit maximum number of fixtures to 4, and 7 for 1,000 Watt incandescent. These dimmers do not have low-end adjustment capability so a delay at turn on will be experienced at the dimmer's low-end setting. Incandescent microprocessor based dimmers such as Maestro or Abella are not compatible.

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.

Delayed starts are possible with controls without low-end trim. Increasing the low-end voltage will help with performance, but may also result in slightly higher light output at low-end.