



# LUTRON® Product Report Card

ID 2234

**Manufacturer:** Eaton  
**Model Number Tested:** ML4D09NFL927E  
**Other Model Numbers:** ML4D09NFL930E, ML4D09NFL935E, ML4D09NFL940E

**Manufacturer's Description**

Type of device:	<u>LED 12.5 W Downlight</u>	Control Type:	<u>Forward and Reverse Phase Control</u>
Operating voltage:	<u>120V</u>	Dimming Range:	<u>Not Specified</u>
Input Power:	<u>12.5 W</u>	Output Power:	<u>Not Specified</u>
Input Current:	<u>0.30 A</u>	Lumen Output:	<u>900 lm</u>
Input Frequency:	<u>60 Hz</u>	Type/Shape:	<u>Downlight</u>
		Base Type:	<u>E26</u>

**Lutron Test Results**

Date Tested: 16-Jun-16  
 Test Voltage: 120 V  
 Test Notes: Performance verified with up to 12 fixtures per control.

**Lutron Recommended Products**

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

Product	Model Number	Control Type <sup>(1)</sup>	Fixtures per Dimmer <sup>(2)</sup>		Measured Dimming Range <sup>(3)</sup> (Software Trim Settings)		Perceived Low End <sup>(4)</sup>	Comments
			Min-Max	Low End	High End			
<i>Wallbox Dimmers</i>								
Diva/ Skylark/ Skylark Contour/ Ariadni/ Toggler/ Lumea	C-L wall-mount dimmers (T1, T4, T5, T8)*	FP	1 - 12	13%	88%	36%	Performance may vary with dimmers manufactured before 2013.	
Maestro Wireless	MRF2-6ND	FP	1 - 12	3%	89%	17%		
Diva/ Ariadni	250W C•L dimmers (T5, T8)*	FP	1 - 20	13%	88%	36%		
Nova T*	NTCL-250 (T8)*	FP	1 - 20	13%	88%	36%		
Grafik T	GT-150 (T6)* without neutral	FP	1 - 12	19%	89%	44%	2 lamp minimum required without neutral.	
Grafik T	GTJ-150 (M6)* without neutral	FP	1 - 12	19%	89%	44%	2 lamp minimum required without neutral.	
Grafik T	GTJ-250M (M6)*GT-250M (T7)* without neutral	FP	1 - 20	19%	89%	44%	2 lamp minimum required without neutral.	
<i>Commercial Systems</i>								
Stanza	SZ-6ND	FP	1 - 18	5% (11)	85% (99)	22%		
Panel Module	HW/LP-RPM-4A-120	RP	1 - 52	12% (28)	86% (99)	35%	Rating is per channel; total per module is 83.	
Panel Module	HW/LP-RPM-4U-120	FP	1 - 85	20% (41)	99% (99)	45%	Rating is per channel; total per module is 85.	
HomeWorksQS/ myRoom	LQSE-4A1-D/ MQSE-4A1-D/ MQSE-3A1/ MQSE-2A1-D, 120V	RP	1 - 9	5% (16)	100% (99)	21%	Rating is per output; total quantity per Main Unit is 36.	
<i>Residential Systems</i>								
RadioRA 2	RRD-10ND	FP	1 - 12	3% (29)	89% (99)	17%		
HomeWorks QS	HQRD-6ND	FP	1 - 12	3% (29)	89% (99)	17%		
HomeWorks QS	HQRD-10ND	FP	1 - 12	3% (29)	89% (99)	17%		
RadioRA 2	RRD-6NA	FP	1 - 12	18% (45)	89% (99)	42%		

HomeWorks QS	HQRD-6NA	FP	1 - 12	18% (45)	89% (99)	42%	
HomeWorks	HxD-6ND	FP	1 - 18	5% (11)	85% (99)	22%	
Panel Module	HW/LP-RPM-4A-120	RP	1 - 52	12% (28)	86% (99)	35%	Rating is per channel; total per module is 83.
Panel Module	HW/LP-RPM-4U-120	FP	1 - 85	20% (41)	99% (99)	45%	Rating is per channel; total per module is 85.
RadioRA 2	RRD-6D	FP	2 - 12	9% (31)	91% (99)	30%	Requires minimum of two fixtures.
RadioRA 2	RRD-H6BRL (with neutral)	FP	1 - 8	10% (35)	89% (99)	31%	Installation with a neutral wire is required.
HomeWorks QS	HQRD-H6BRL (with neutral)	FP	1 - 8	10% (35)	89% (99)	31%	Installation with a neutral wire is required.
RadioRA 2	RRT-G25LW (R3)* without neutral	FP	1 - 20	19%	89%	44%	2 lamp minimum required without neutral.
HomeWorks QS	HQRT-G25LW (H2)* without neutral	FP	1 - 20	19%	89%	44%	2 lamp minimum required without neutral.
HomeWorksQS/ myRoom	LQSE-4A1-D/ MQSE-4A1-D/ MQSE-3A1/ MQSE-2A1-D, 120V	RP	1 - 9	5% (16)	100% (99)	21%	Rating is per output; total quantity per Main Unit is 36.
<b>Interfaces</b> <sup>(5)</sup>							
	PHPM-PA with Grafik Eye QS Main Unit	RP	1 - 52	4% (25)	99% (96)	20%	
	PHPM-WBX with 3-wire fluorescent control	RP	1 - 52	4%	99%	20%	
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) Control types of FP and RP represent Forward Phase and Reverse Phase, respectively. See product literature for details.</p> <p>(2) Maximum Fixtures per Dimmer value represents the maximum safe loading of the control.</p> <p>(3) Values are based on light output using the specified dimming control, and may not be an indication of the fixture's full rated capability. Values are set to optimize performance, such as reducing dead travel, ensuring that fixtures turn on at low end, reducing turn-on time at low end, and trimming out instability. Software trim values are indicated in parentheses when applicable.</p> <p>(4) Perceived light level percentage is the square root of the measured light level percentage, per IESNA Lighting Handbook.</p> <p>(5) 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 12 fixtures per 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. Please be aware that device manufacturers may modify their product at any time, without notice to Lutron, and therefore Lutron cannot ensure future compatibility. For more detailed and up to date fixture specifications, performance and/or any related recall information, visit the manufacturer's website. The latest Lutron test results can always be found at www.lutron.com/LEDtool.*