



# LUTRON® Product Report Card

ID 1025

**Manufacturer:** Toshiba  
**Model Number Tested:** 4B11/27CF-UP

Other Model Numbers: 4B11/22CF-UP; 4B11/22CC-UP; 4B11/27CF-UP; 4B11/27CC-UP; 4B11/27CC-MUP; 4B11/27CF-MUP; 4B11/22CF-MUP; 4B11/22CC-MUP.

**Manufacturer's Description**

Type of device:	<u>LED</u>	Control Type:	<u>Forward Phase</u>
Operating voltage:	<u>120V</u>	Dimming Range:	<u>Not Specified</u>
Input Power:	<u>3.8 W</u>	Output Power:	<u>Not Specified</u>
Input Current:	<u>0.05 A</u>	Lumen Output:	<u>185</u>
Input Frequency:	<u>60Hz</u>		

**Lutron Test Results**

Date Tested: 16-Jul-13  
 Test Voltage: 120 V  
 Test Notes: None

**Lutron Recommended Compatible Products**

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

Product	Model Number	Fixtures per Dimmer		Measured Dimming Range <sup>(1)</sup>		Perceived Low End <sup>(2)</sup>	Comments
		Minimum	Maximum	Low End	High End		
<i>Wallbox Dimmers</i>							
Diva/ Skylark/ Skylark Contour/ Ariadni/ Toggler	C-L wall-mount dimmers (T1)*	1	39	19%	100%	43%	Low end trim required. May experience flicker/flash at start up.
Maestro	MACL-153M (L)*	1	39	7%	100%	27%	Low end trim required. May flash at start up.
Maestro Wireless	MRF2-6ND	1	39	6%	100%	25%	Low end trim required.
Maestro Sensor	MSCL-OP153M (T2)*/ MSCL-VP153M (T2)*	1	39	8%	100%	29%	Low end trim required.
<i>Commercial Systems</i>							
Stanza	SZ-6ND	1	57	9%	100%	29%	High end and low end trim required.'
Panel Module	HW/LP-RPM-4A-120	1	115	19%	100%	43%	High end and low end trim required.' Set load type to FP. Rating is per channel; total per module is 184.
Panel Module	HW/LP-RPM-4U-120	1	185	6%	100%	24%	High end and low end trim required.' Rating is per channel; total per module is 185.
Grafik QS	Grafik Eye QS Main Unit Family	1	77	16%	100%	41%	High end and low end trim required.' Rating is per output; total quantity per Main Unit is 192.
Panel Module	GP (Harrier) Card	1	185	4%	100%	19%	High end and low end trim required.' Rating is per output.
Grafik Eye 3000	Grafik Eye 3000 Family	1	77	16%	100%	41%	High end and low end trim required.' Rating is per output; total quantity per Main Unit is 115, 192, and 192 for 2, 4, and 6 zone units, respectively.
<i>Residential Systems</i>							
RadioRA 2	RRD-10ND	1	39	6%	100%	25%	Low end trim required.
HomeWorks QS	HQRD-6ND	1	39	6%	100%	25%	Low end trim required.
HomeWorks QS	HQRD-10ND	1	39	6%	100%	25%	Low end trim required.

HomeWorks	HxD-6ND	1	57	9%	100%	29%	High end and low end trim required.'
Panel Module	HW/LP-RPM-4A-120	1	115	19%	100%	43%	High end and low end trim required.' Set load type to FP. Rating is per channel; total per module is 184.
Panel Module	HW/LP-RPM-4U-120	1	185	6%	100%	24%	High end and low end trim required.' Rating is per channel; total per module is 185.
Grafik QS	Grafik Eye QS Main Unit Family	1	77	16%	100%	41%	High end and low end trim required.' Rating is per output; total quantity per Main Unit is 192.
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*Interfaces*<sup>(3)</sup>

*No applicable results*

Notes:	<p>* Identical model numbers with different compatibility codes may have different performance; (L) means there is no compatibility code assigned; contact technical support for additional information</p> <p>(1) Values are based on light output using the specified dimming control, and may not be an indication of the fixture's full rated capability</p> <p>(2) Perceived light level percentage is the square root of the measured light level percentage, per IESNA Lighting Handbook</p> <p>(3) 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>
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Test Comments: Performance verified with up to 39 fixtures per control. Maximum Fixtures per Dimmer value represents the maximum safe loading of the control. May have some instability when turning on. Buzzing noticed with all controls.

*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. Latest test results can always be found at www.lutron.com/LEDtool.*