*[No Product Image available]*

LUTRON®

ID 1301

# Product Report Card

**Manufacturer:** **Robus**
**Model Number Tested:** **RF9LED-WW**

Other Model Numbers: RF9LED-CW

**Manufacturer's Description**

Type of device: LED 9 W Downlight
Operating voltage: 240V
Input Power 9.0 W
Input Current: 0.70 A
Input Frequency: 50Hz/60Hz

Control Type: Forward and Reverse Phase Control
Dimming Range: Not Specified
Output Power: Not Specified
Lumen Output: 500 lm
Type/Shape: Downlight
Base Type: N/A

**Lutron Test Results**

Date Tested: 18-Feb-14
Test Voltage: 240 V

Test Notes: Test results valid only with a Robus R10LED700DB transformer and 1 lamp per transformer. Test results valid only at 240V 50Hz.

**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[1] | | Perceived Low End[2] | Comments[3] |
|---|---|---|---|---|---|---|---|
| | | Minimum | Maximum | Low End | High End | | |
| *Wallbox Dimmers* | | | | | | | |
| *No applicable results* | | | | | | | |
| *Commercial Systems* | | | | | | | |
| Panel Module | HW/LP-RPM-4A-230 | 1 | 152 | 16% | 95% | 40% | Low end trim required. Set load type to RP. Rating is per channel; total per module is 152. |
| Panel Module | HW/LP-RPM-4U-230-CE | 1 | 125 | 19% | 95% | 43% | Low end trim required. Start time may exceed one second. Rating is per channel; total per module is 162. |
| Panel Module | GP (Harrier) Card | 1 | 200 | 20% | 98% | 45% | Low end trim required. Start time may exceed one second. Rating is per output. |
| Grafik QS | Grafik Eye QS Main Unit Family, 240V | 1 | 26 | 20% | 97% | 44% | Low end trim required. Rating is per output; total quantity per Main Unit is 78/104/119 for 3/4/6-Zone units, respectively. |
| Grafik Eye | GRX-3104-CE | 2 | 41 | 18% | 95% | 43% | Low end trim required. Start time may exceed one second. Rating is per output; total quantity per Main Unit is 82/117/117/117 for 2/3/4/6-Zone units, respectively. |
| ESN Phase Adaptive | LQSE-4A-D (_)*/ QSNE-4A-D (_)* | 1 | 47 | 19% | 98% | 44% | Low end trim required. Performance similar in RP. Start time may exceed one second. Set load type to FP. Rating is for Zone 1. Rating for Zones 2-4 is 47. |
| *Residential Systems* | | | | | | | |
| Panel Module | HW/LP-RPM-4A-230 | 1 | 152 | 16% | 95% | 40% | Low end trim required. Set load type to RP. Rating is per channel; total per module is 152. |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Panel Module | HW/LP-RPM-4U-230-CE | 1 | 125 | 19% | 95% | 43% | Low end trim required. Start time may exceed one second. Rating is per channel; total per module is 162. |
| Panel Module | GP (Harrier) Card | 1 | 200 | 20% | 98% | 45% | Low end trim required. Start time may exceed one second. Rating is per output. |
| ESN Phase Adaptive | LQSE-4A-D (_)*/ QSNE-4A-D (_)* | 1 | 47 | 19% | 98% | 44% | Low end trim required. Performance similar in RP. Start time may exceed one second. Set load type to FP. Rating is for Zone 1. Rating for Zones 2-4 is 47. |
| *Interfaces* [4] | | | | | | | |
| | NGRX-ELVI-CE | 1 | 95 | 19% | 98% | 44% | Low end trim required. Start time may exceed one second. |
| | NGRX-PB-CE | 1 | 62 | 20% | 99% | 44% | Low end trim required. Start time may exceed one second. |

Notes:

* Identical model numbers with different compatibility codes may have different performance; (_) means there is no compatibility code assigned; contact technical support for additional information
(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
(2) Perceived light level percentage is the square root of the measured light level percentage, per IESNA Lighting Handbook
(3) Load types of FP and RP represent Forward Phase and Reverse Phase, respectively. See product literature for details.
(4) 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

Test Comments: Performance verified with up to 16 fixtures per control. Maximum Fixtures per Dimmer value represents the maximum safe loading of the control. Test results valid only with a Robus R10LED700DB transformer and 1 lamp per transformer. Test results valid only at 240V 50Hz.

*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.*