


LUTRON®
Product Report Card

ID 950

**Manufacturer:** **SATCO PRODUCTS****Model Number Tested:** **S8991**Other Model Numbers: None**Manufacturer's Description**Type of device: LED RECESSED 4" RETROFIT DOWNLIGHTOperating voltage: 120VInput Power: 9.0 WInput Current: 0.08 AInput Frequency: 60HzControl Type: Forward and Reverse Phase ControlDimming Range: Not SpecifiedOutput Power: Not SpecifiedLumen Output: 650**Lutron Test Results**Date Tested: 5-Apr-13Test Voltage: 120 VTest 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 ⁽¹⁾ | | Perceived Low End ⁽²⁾ | Comments |
|--|--|---------------------|---------|---------------------------------------|----------|----------------------------------|---|
| | | Minimum | Maximum | Low End | High End | | |
| <i>Wallbox Dimmers</i> | | | | | | | |
| Diva/ Skylark Contour/ Ariadni/ Toggler | C-L wall-mount dimmers | 1 | 16 | 3% | 88% | 18% | |
| Maestro RF | MRF2-6ND | 1 | 16 | 10% | 90% | 32% | |
| <i>Commercial Systems</i> | | | | | | | |
| Stanza | SZ-6ND | 1 | 31 | 4% | 87% | 19% | |
| Panel Module | HW/LP-RPM- 4A-120 | 1 | 133 | 6% | 96% | 25% | Recommend Reverse Phase only. Set load type to RP. Rating is per channel; total per module is 212. |
| Panel Module | HW/LP-RPM- 4U-120 | 1 | 102 | 6% | 100% | 24% | Rating is per channel; total per module is 102. |
| Grafik QS | Grafik Eye QS Main Unit Family | 1 | 42 | 2% | 100% | 14% | Rating is per output; total per Main Unit is 105. |
| Panel Module | GP (Harrier) Card | 1 | 102 | 20% | 98% | 45% | Rating is per output. |
| <i>Residential Systems</i> | | | | | | | |
| RadioRA 2 | RRD-10ND | 1 | 16 | 10% | 90% | 32% | |
| HomeWorks QS | HQRD-6ND | 1 | 16 | 10% | 90% | 32% | |
| HomeWorks QS | HQRD-10ND | 1 | 16 | 10% | 90% | 32% | |
| HomeWorks | HxD-6ND | 1 | 31 | 4% | 87% | 19% | |
| Panel Module | HW/LP-RPM- 4A-120 | 1 | 133 | 6% | 96% | 25% | Recommend Reverse Phase only. Set load type to RP. Rating is per channel; total per module is 212. |
| Panel Module | HW/LP-RPM- 4U-120 | 1 | 102 | 6% | 100% | 24% | Rating is per channel; total per module is 102. |
| Grafik QS | Grafik Eye QS Main Unit Family | 1 | 42 | 2% | 100% | 14% | Rating is per output; total per Main Unit is 105. |
| Panel Module | GP (Harrier) Card | 1 | 102 | 20% | 98% | 45% | Rating is per output. |
| <i>Interfaces ⁽³⁾</i> | | | | | | | |
| | PHPM-PA with Grafik Eye QS Main Unit | 1 | 213 | 2% | 95% | 14% | |

| | | | | | | | |
|--------|---|---|-----|----|-----|-----|--|
| | PHPM-WBX with 3-wire fluorescent control | 1 | 213 | 2% | 95% | 14% | |
| Notes: | (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) 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. Low end trim required.

*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.*