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ID: 3211

## Product Report Card

**Manufacturer:** Philips

**Model Number Tested:** 9290018377

Other Model Numbers: 9290018375, 9290018367, 9290018368, 9290018369, 9290018370, 9290018571, 9290018668

### Manufacturer's Description

Type of Device: LED 16 W A21

Operating Voltage: 120

Input Power: 16 W

Input Current: Not Specified

Input Frequency: 60 Hz

Control Type: Forward and Reverse Phase Control

Dimming Range: Not Specified

Output Power: Not Specified

Lumen Output: Not Specified

Type/Shape: A21

Base Type: E26

### Lutron Test Results

Date Tested: 01/04/2018

Test Voltage: 120 V

Test Notes: Test results valid only at 120V and 60 Hz.

### 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><br>(Software Trim Settings) |         | Perceived Low End <sup>(4)</sup> | Comments                                 |
|--------------------------------|---|-----------------------------|------------------------------------|---|---------|----------------------------------|--|
|                                |   |                             |                                    | Min-Max   | Low End |                                  |  |
| <b>Commercial Systems</b>      |   |                             |                                    |   |         |                                  |  |
| Stanza                         | SZ-6ND  | FP                          | 1 - 4                              | 8%  | 99%     | 29%                              |  |
| Panel Module                   | HW/LP-RPM-4A-120                                    | RP                          | 1 - 75                             | 9%  | 100%    | 30%                              |  |
| Grafik QS/Wallbox Power Module | Grafik Eye QS Main Unit Family/LQRJ-WPM-6P          | FP                          | 1 - 22                             | 10%   | 99%     | 31%                              |  |
| Panel Module                   | GP (Harrier) Card                                   | FP                          | 1 - 22                             | 11%   | 98%     | 32%                              | Rating is per output. Use load type 2-1. |
| Grafik Eye 3000/HomeWorks      | Grafik Eye 3000 Family/HWI-WPM-6D-120               | FP                          | 1 - 22                             | 10%   | 99%     | 31%                              |  |
| HomeWorksQS/myRoom             | LQSE-4A1-D/MQSE-4A1-D/MQSE-3A1/MQSE-2A1-D, 120V, RP | RP                          | 1 - 5                              | 9%  | 99%     | 30%                              |  |
| Grafik T                       | Phase Selectable GT-5NEM/ GTJ-5NEM                  | RP                          | 1 - 15                             | 8%  | 100%    | 29%                              |  |
| Vive                           | MRF2S-6ND   | FP                          | 1 - 8                              | 16%   | 100%    | 40%                              |  |
| Vive                           | MRF2S-6ELV  | RP                          | 1 - 9                              | 15%   | 99%     | 39%                              |  |
| <b>Interfaces</b>              |   |                             |                                    |   |         |                                  |  |
| [none]                         | PHPM-PAwith Grafik Eye QS Main Unit                 | RP                          | 1 - 107                            | 10%   | 99%     | 31%                              |  |
| [none]                         | PHPM-WBxwith 3-wire fluorescent control             | RP                          | 1 - 107                            | 10%   | 99%     | 31%                              |  |
| <b>Residential Systems</b>     |   |                             |                                    |   |         |                                  |  |
| RadioRA 2                      | RRD-10ND  | FP                          | 1 - 9                              | 16%   | 100%    | 40%                              |  |
| HomeWorks QS                   | HQRD-6ND  | FP                          | 1 - 8                              | 16%   | 100%    | 40%                              |  |
| HomeWorks QS                   | HQRD-10ND   | FP                          | 1 - 9                              | 16%   | 100%    | 40%                              |  |
| RadioRA 2                      | RRD-6NA   | RP                          | 1 - 9                              | 15%   | 99%     | 39%                              |  |
| HomeWorks QS                   | HQRD-6NA  | RP                          | 1 - 9                              | 15%   | 99%     | 39%                              |  |
| HomeWorks                      | HxD-6ND   | FP                          | 1 - 4                              | 8%  | 99%     | 29%                              |  |
| Panel Module                   | HW/LP-RPM-4A-120                                    | RP                          | 1 - 75                             | 9%  | 100%    | 30%                              |  |

| Product                        | Model Number  | Control Type | Fixtures per Dimmer | Measured Dimming Range<br>(Software Trim Settings) |         | Perceived Low End | Comments                                      |
|--------------------------------|---|--------------|---------------------|--|---------|-------------------|---|
|                                |   |              |                     | Min-Max  | Low End |                   |   |
| Grafik QS/Wallbox Power Module | Grafik Eye QS Main Unit Family/LQRJ-WPM-6P          | FP           | 1 - 22              | 10%  | 99%     | 31%               |   |
| Panel Module                   | GP (Harrier) Card                                   | FP           | 1 - 22              | 11%  | 98%     | 32%               | Rating is per output. Use load type 2-1.      |
| Grafik Eye 3000/HomeWorks      | Grafik Eye 3000 Family/HWI-WPM-6D-120               | FP           | 1 - 22              | 10%  | 99%     | 31%               |   |
| RadioRA 2                      | Hybrid Keypad C.L RRD-HN6BRL                        | FP           | 1 - 6               | 9%   | 99%     | 29%               | Installation with a neutral wire is required. |
| HomeWorks QS                   | Hybrid Keypad C.L HQRD-HN6BRL                       | FP           | 1 - 6               | 9%   | 99%     | 29%               | Installation with a neutral wire is required. |
| HomeWorksQS/myRoom             | LQSE-4A1-D/MQSE-4A1-D/MQSE-3A1/MQSE-2A1-D, 120V, RP | RP           | 1 - 5               | 9%   | 99%     | 30%               |   |
| Grafik T                       | Phase Selectable GT-5NEM/ GTJ-5NEM                  | RP           | 1 - 15              | 8%   | 100%    | 29%               |   |
| Homeworks QS                   | LQSE-4A-120-D, RP                                   | RP           | 1 - 11              | 10%  | 100%    | 31%               |   |

### WallBox Dimmers

|  |                                    |    |        |     |      |     |  |
|--|------------------------------------|----|--------|-----|------|-----|--|
| Diva/Skylark/Skylark Contour/Ariadni/Toggler/ Lumea  | CL wall-mount dimmers (T8, T9)     | FP | 1 - 9  | 9%  | 100% | 29% |  |
| Maestro  | MACL-153M (TX)                     | FP | 1 - 9  | 9%  | 97%  | 30% |  |
| Maestro Wireless                                     | MRF2-6ND                           | FP | 1 - 8  | 16% | 100% | 40% |  |
| Maestro Wireless                                     | MRF2-6ELV                          | RP | 1 - 9  | 15% | 99%  | 39% |  |
| Maestro Sensor                                       | MSCL-OP153M (T2)/MSCL-VP153M (T2)  | FP | 1 - 9  | 8%  | 97%  | 29% |  |
| Caseta Wireless                                      | PD-6WCL (SD11)                     | FP | 1 - 9  | 10% | 97%  | 32% |  |
| Diva/Ariadni C250W                                   | 250W CL dimmers (T5,T8)            | FP | 1 - 14 | 9%  | 100% | 29% |  |
| Nova T* 250W   | NTCL-250 (T8)                      | FP | 1 - 14 | 9%  | 100% | 29% |  |
| Grafik T   | Phase Selectable GT-5NEM/ GTJ-5NEM | RP | 1 - 15 | 8%  | 100% | 29% |  |
| Diva/Skylark ContourReverse Phase LED Preset Dimmers | DVRP-253PCTRP-253P                 | RP | 1 - 15 | 9%  | 96%  | 30% |  |
| Skylark Contour Slide to-off                         | CTCL-150                           | FP | 1 - 9  | 9%  | 100% | 29% |  |

#### 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) Control types of FP and RP represent Forward Phase and Reverse Phase, respectively. See product literature for details.
- (2) Maximum Fixtures per Dimmer value represents the maximum safe loading of the control.
- (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.
- (4) Perceived light level percentage is the square root of the measured light level percentage, per IESNA Lighting Handbook.
- (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.

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](http://www.lutron.com/LEDtool).