

**Manufacturer:** Philips Lighting  
**Model Number Tested:** Twistable TDLM 2000 830 120V G2  
**Other Model Numbers:** None

**Manufacturer's Description**

Type of device: LED 28.5W twistable module  
 Operating voltage: 120V  
 Input Power: 28.5 W  
 Input Current: 0.24 A  
 Input Frequency: 60Hz

Control Type: Forward and Reverse Phase Control  
 Dimming Range: Not Specified  
 Output Power: Not Specified  
 Lumen Output: Not Specified

**Lutron Test Results**

Date Tested: 23-May-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>     |   |                     |         |                                       |          |                                  |   |
| Maestro                    | MACL-153M (L)*                          | 1                   | 5       | 6%                                    | 85%      | 24%                              |   |
| Maestro Sensor             | MSCL-OP153M (T2)*/<br>MSCL-VP153M (T2)* | 1                   | 5       | 5%                                    | 85%      | 22%                              |   |
| <i>Commercial Systems</i>  |   |                     |         |                                       |          |                                  |   |
| Stanza                     | SZ-6ND                                  | 1                   | 4       | 7%                                    | 94%      | 26%                              |   |
| Panel Module               | HW/LP-RPM-4A-120                        | 1                   | 9       | 9%                                    | 94%      | 30%                              | Set load type to FP. Rating is per channel; total per module is 14.   |
| Panel Module               | HW/LP-RPM-4U-120                        | 1                   | 15      | 0%                                    | 93%      | 5%                               | May experience steppy dimming. Rating is per channel; total per module is 15.                                 |
| Grafik QS                  | Grafik Eye QS Main Unit Family          | 1                   | 6       | 6%                                    | 88%      | 24%                              | Rating is per output; total quantity per Main Unit is 15.   |
| Panel Module               | GP (Harrier) Card                       | 1                   | 15      | 11%                                   | 99%      | 33%                              | Rating is per output.   |
| Grafik Eye 3000            | Grafik Eye 3000 Family                  | 1                   | 6       | 6%                                    | 88%      | 24%                              | Rating is per output; total quantity per Main Unit is 9, 15, and 15 for 2, 4, and 6 zone units, respectively. |
| <i>Residential Systems</i> |   |                     |         |                                       |          |                                  |   |
| RadioRA 2                  | RRD-6NA                                 | 1                   | 5       | 10%                                   | 98%      | 31%                              | Load type not selectable. Evaluated in FP.  |
| Homeworks QS               | HQRD-6NA                                | 1                   | 5       | 10%                                   | 98%      | 31%                              | Load type not selectable. Evaluated in FP.  |
| HomeWorks                  | HxD-6ND                                 | 1                   | 4       | 7%                                    | 94%      | 26%                              |   |
| Panel Module               | HW/LP-RPM-4A-120                        | 1                   | 9       | 9%                                    | 94%      | 30%                              | Set load type to FP. Rating is per channel; total per module is 14.   |
| Panel Module               | HW/LP-RPM-4U-120                        | 1                   | 15      | 0%                                    | 93%      | 5%                               | May experience steppy dimming. Rating is per channel; total per module is 15.                                 |
| Grafik QS                  | Grafik Eye QS Main Unit Family          | 1                   | 6       | 6%                                    | 88%      | 24%                              | Rating is per output; total quantity per Main Unit is 15.   |

|                                  |  |   |    |     |     |     |   |
|----------------------------------|--|---|----|-----|-----|-----|---|
| Panel Module                     | GP (Harrier) Card  | 1 | 15 | 11% | 99% | 33% | Rating is per output.   |
| Grafik Eye 3000                  | Grafik Eye 3000 Family   | 1 | 6  | 6%  | 88% | 24% | Rating is per output; total quantity per Main Unit is 9, 15, and 15 for 2, 4, and 6 zone units, respectively. |
| <i>Interfaces</i> <sup>(3)</sup> |  |   |    |     |     |     |   |
|                                  | PHPM-PA with Grafik Eye QS Main Unit   | 1 | 62 | 12% | 92% | 35% |   |
|                                  | PHPM-WBX with 3-wire fluorescent control   | 1 | 62 | 12% | 92% | 35% |   |
| 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) 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> |   |    |     |     |     |   |

Test Comments: Performance verified with up to 5 fixtures per control. Maximum Fixtures per Dimmer value represents the maximum safe loading of the 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. Latest test results can always be found at www.lutron.com/LEDtool.*