

# WAC LIGHTING

Responsible Lighting®

## Dimming Compatibility

ID E1711034V0

**Product Family:** Ocularc 3.0  
**SKU Tested:** R3BRA-F930-WT  
**Related Model Numbers:** R3BRDP; R3BRA; R3BSA; R3BSD  
**Numbers:** R3BNICA-10

**Test Voltage:** 120V

**Control Type:** ELV, TRIAC, 0-10V

**Test Notes:** Refer to dimmer manufacturer's dimmer load rating for min and max fixture quantities per dimmer.

| Manufacturer                         | Product              | Model Number  | Test Voltage (V) | Measured Dimming Range | Comments              |
|--------------------------------------|----------------------|---------------|------------------|------------------------|-----------------------|
|                                      |                      |               |                  | Low End                |                       |
| <b>Adaptive Phase Dimmers</b>        |                      |               |                  |                        |                       |
| Control4                             | Adaptive             | C4-APD120     | 120              | 2.0%                   |                       |
| Legrand                              | Adorne Touch (ELV)   | ADTH700RMTUM1 | 120              | 1.0%                   |                       |
| Legrand                              | Adorne Touch (TRIAC) | ADTH700RMTUM1 | 120              | 1.0%                   |                       |
| Legrand                              | Radiant              | RH703PTUW     | 120              | N/A                    | Dimmer not responsive |
| Legrand                              | Adorne (ELV)         | ADTP703TUUW4  | 120              | 7.0%                   |                       |
| Legrand                              | Adorne (TRIAC)       | ADTP703TUUW4  | 120              | 3.0%                   |                       |
| Cooper                               | AL Series            | AAL06         | 120              | 1.0%                   |                       |
| <b>Reverse Phase Dimmers (ELV)</b>   |                      |               |                  |                        |                       |
| Lutron                               | Nova T               | NTELV-600     | 120              | 10.0%                  | Flicker below 10%     |
| Lutron                               | Diva                 | DVELV-300P    | 120              | 3.0%                   |                       |
| Lutron                               | Maestro              | MAELV-600     | 120              | 2.0%                   |                       |
| Lutron                               | Skylark              | SELV-300P     | 120              | 7.0%                   | Flicker below 7%      |
| Leviton                              | Illumatech           | IPE04-1LZ     | 120              | 13.0%                  |                       |
| Lutron                               | Maestro              | RRD-6NA       | 120              | 1.0%                   |                       |
| Leviton                              | SureSlide            | 6615-P0W      | 120              | 10.0%                  | Flicker below 10%     |
| Leviton                              | Decora               | DSE06-10Z     | 120              | 1.0%                   |                       |
| Lutron                               | Caseta               | PD-5NE        | 120              | 3.0%                   |                       |
| Lutron                               | Homeworks            | HRD-5NE       | 120              | 2.0%                   |                       |
| Leviton                              | Renoir II            | AWSMT-EBW     | 120              | 2.0%                   |                       |
| Lutron                               | Grafik-Eye           | GRX-3103-A-G  | 120              | 1.0%                   |                       |
| <b>Forward Phase Dimmers (TRIAC)</b> |                      |               |                  |                        |                       |
| Lutron                               | Maestro              | MAEL-153M-WH  | 120              | 4.0%                   | Flicker below 4%      |
| Lutron                               | Diva                 | DVCL-153PD    | 120              | 3.0%                   |                       |
| Legrand                              | Adorne Paddle        | ADPD453LW2    | 120              | 7.0%                   |                       |
| Lutron                               | Ariadni              | AYCL-153PH    | 120              | 1.0%                   |                       |
| Lutron                               | Skylark              | SCL-153P-WH   | 120              | 1.0%                   |                       |
| Lutron                               | Maestro              | MA-600-WH     | 120              | N/A                    | Dimmer not responsive |

Perceived light level percentage is the square root of the measured light level percentage, per IESNA Lighting Handbook. This report reflects WAC's test results of a single fixture in single-pole wiring configuration for reference purposes; actual results may vary based on field conditions. Dimmer manufacturers may modify their product at any time, without notice to WAC Lighting, and therefore WAC Lighting cannot ensure future compatibility. For any questions on this report, please contact WAC Lighting Customer Service at 1-800-526-2588 or sales@waclighting.com.

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| Forward Phase Dimmers (TRIAC) Cont. |           |             |     |       |  |
|-------------------------------------|-----------|-------------|-----|-------|--|
| Leviton                             | SureSlide | 6674-POW    | 120 | 3.0%  |  |
| Lutron                              | Caseta    | PD-6WCL     | 120 | 6.0%  | Flicker below 6%                         |
| Legrand                             | Harmony   | HCL453PW    | 120 | 8.0%  | Flicker below 8%                         |
| Legrand                             | Radiant   | RHCL453PW   | 120 | 10.0% | Flicker below 10%                        |
| 0-10V Dimmers                       |           |             |     |       |  |
| Lutron                              | Nova T    | NTSTV       | 120 | 3.0%  |  |
| Leviton                             | Decora    | IP710-LFZ   | 120 | 3.0%  |  |
| Control4                            | Adaptive  | C4-TV120277 | 120 | 3.0%  |  |
| Lutron                              | Diva      | DVSTV       | 120 | 12.0% | There is still output when dimmer is off |
| Leviton                             | Renoir    | AWSMT-7DW   | 120 | 3.0%  |  |
| Legrand                             | Radiant   | RH4FBL3PW   | 120 | 0.3%  |  |

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**Product Family:** Oculux 3.5"

**Skus Tested:** R3BRD-F930-WT

**Related Model Numbers:** R3BRDP; R3BRA; R3BSA; R3BSD

**Numbers:** R3BNICA-10U

**Test Voltage:** 120-277VAC

**Control Type:** ELV, TRIAC, 0-10V

**Test Notes:** Refer to dimmer manufacturer's dimmer load rating for min and max fixture quantities per dimmer.

| Manufacturer                         | Product              | Model Number  | Test Voltage (V) | Measured Dimming Range | Comments                       |
|--------------------------------------|----------------------|---------------|------------------|------------------------|--------------------------------|
|                                      |                      |               |                  | Low End                |                                |
| <b>Adaptive Phase Dimmers</b>        |                      |               |                  |                        |                                |
| Control4                             | Adaptive             | C4-APD120     | 120              | 0.8%                   |                                |
| Legrand                              | Adorne Touch (ELV)   | ADTH700RMTUM1 | 120              | 26.0%                  | Flicker below 26%              |
| Legrand                              | Adorne Touch (TRIAC) | ADTH700RMTUM1 | 120              | 3.0%                   |                                |
| Legrand                              | Radiant              | RH703PTUW     | 120              | 21.0%                  |                                |
| Legrand                              | Adorne (ELV)         | ADTP703TUW4   | 120              | 17.0%                  |                                |
| Legrand                              | Adorne (TRIAC)       | ADTP703TUW4   | 120              | 14.0%                  |                                |
| Cooper                               | AL Series            | AAL06         | 120              | 38.0%                  | Flicker below 38%              |
| Control4                             | Adaptive             | C4-APD277     | 277              | 5.0%                   |                                |
| <b>Reverse Phase Dimmers (ELV)</b>   |                      |               |                  |                        |                                |
| Lutron                               | Nova T               | NTELV-600     | 120              | 11.0%                  |                                |
| Lutron                               | Diva                 | DVELV-300P    | 120              | 6.0%                   |                                |
| Lutron                               | Maestro              | MAELV-600     | 120              | 1.0%                   |                                |
| Lutron                               | Skylark              | SELV-300P     | 120              | 7.0%                   |                                |
| Leviton                              | Illumatech           | IPE04-1LZ     | 120              | 28.0%                  |                                |
| Lutron                               | Maestro              | RRD-6NA       | 120              | 1.0%                   |                                |
| Leviton                              | SureSlide            | 6615-P0W      | 120              | 19.0%                  |                                |
| Leviton                              | Decora               | DSE06-10Z     | 120              | 9.0%                   | Flicker below 9%               |
| Lutron                               | Caseta               | PD-5NE        | 120              | 13.0%                  | Flicker below 13%              |
| Lutron                               | Homeworks            | HRD-5NE       | 120              | N/A                    | Flashing at high dimming level |
| Leviton                              | Renoir II            | AWSMT-EBW     | 120              | 1.0%                   |                                |
| Lutron                               | Grafik-Eye           | GRX-3103-A-G  | 120              | 0.7%                   |                                |
| Leviton                              | Renoir II            | AWSMT-EBW     | 277              | 1.0%                   |                                |
| Lutron                               | Grafik-Eye           | GRX-3103-A-G  | 277              | 0.7%                   |                                |
| <b>Forward Phase Dimmers (TRIAC)</b> |                      |               |                  |                        |                                |
| Lutron                               | Maestro              | MACL-153M-WH  | 120              | 8.0%                   |                                |
| Lutron                               | Diva                 | DVCL-153PD    | 120              | 8.0%                   | Flicker below 8%               |
| Legrand                              | Adorne Paddle        | ADPD453LW2    | 120              | 24.0%                  |                                |
| Lutron                               | Ariadni              | AYCL-153PH    | 120              | 23.0%                  |                                |

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| <b>Forward Phase Dimmers (TRIAC) Cont.</b> |           |             |     |       |                                |
|--|-----------|-------------|-----|-------|--------------------------------|
| Lutron                                     | Skylark   | SCL-153P-WH | 120 | 9.0%  | Flicker below 9%               |
| Lutron                                     | Maestro   | MA-600-WH   | 120 | N/A   | Flashing at all dimming levels |
| Leviton                                    | SureSlide | 6674-POW    | 120 | N/A   | Flashing at high dimming level |
| Lutron                                     | Caseta    | PD-6WCL     | 120 | 29.0% | Flicker below 29%              |
| Legrand                                    | Harmony   | HCL453PW    | 120 | 23.0% |                                |
| Legrand                                    | Radiant   | RHCL453PW   | 120 | 22.0% |                                |
| <b>0-10V Dimmers</b>                       |           |             |     |       |                                |
| Lutron                                     | Nova T    | NTSTV       | 120 | 8.0%  |                                |
| Leviton                                    | Decora    | IP710-LFZ   | 120 | 7.0%  |                                |
| Control4                                   | Adaptive  | C4-TV120277 | 120 | 0.3%  | Flicker below 0.345%           |
| Lutron                                     | Diva      | DVSTV       | 120 | 10.0% |                                |
| Leviton                                    | Renoir    | AWSMT-7DW   | 120 | 16.0% |                                |
| Legrand                                    | Radiant   | RH4FBL3PW   | 120 | 5.0%  |                                |
| Lutron                                     | Nova T    | NTSTV       | 277 | 8.0%  |                                |
| Leviton                                    | Decora    | IP710-LFZ   | 277 | 6.0%  |                                |
| Control4                                   | Adaptive  | C4-TV120277 | 277 | 2.0%  |                                |
| Lutron                                     | Diva      | DVSTV       | 277 | 10.0% |                                |
| Leviton                                    | Renoir    | AWSMT-7DW   | 277 | 16.0% |                                |
| Legrand                                    | Radiant   | RH4FBL3PW   | 277 | 5.0%  |                                |

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