

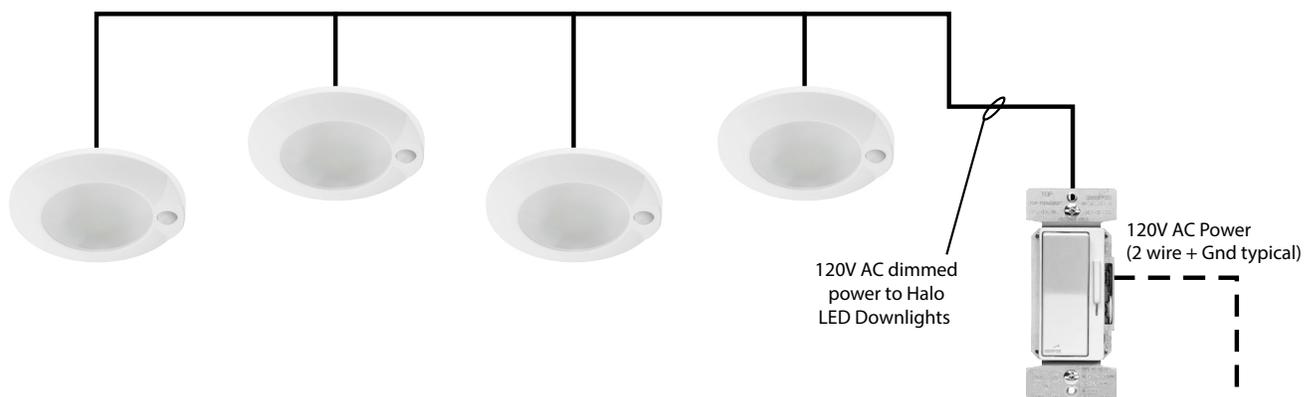
The HLCEMS Series provides continuous dimming with reverse or forward phase cut dimmers.

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Phase Control Dimming



| Dimmer Make | Dimmer Series | Dimmer Model # | Minimum Luminaires (per circuit) | Maximum Recommended Luminaires (per circuit) | Min Dimming percentage (%) | Max Dimming percentage (%) | Low End Start Time |
|------------------|----------------|-------------------------|----------------------------------|--|----------------------------|----------------------------|--------------------|
| Leviton | Decora | 6672 | 1 | 12 | 10% | 99% | <1s |
| Leviton | SureSlide | 6674 | 1 | 12 | 9% | 99% | <1s |
| Leviton | SureSlide | DSL06-ILZ | 1 | 25 | 8% | 99% | <1s |
| Leviton | Illumatech | IPL06-ILZ | 1 | 12 | 10% | 100% | <1s |
| Leviton | Vizia | VPI06 | 1 | 40 | 8% | 100% | <1s |
| Leviton | Decora | TSL06-1LW | 1 | 25 | 10% | 100% | <1s |
| Leviton | SureSlide | RDL06-10Z | 1 | 12 | 10% | 99% | <1s |
| Lutron | Toggler | TG-600P | 1 | 40 | 8% | 99% | <1s |
| Lutron | Nova T | NTFTU-6A | 1 | 40 | 9% | 99% | <1s |
| Lutron | Toggler | TGCL-153P | 1 | 10 | 9% | 100% | <1s |
| Lutron | Lumea | LG600P | 1 | 40 | 10% | 99% | <1s |
| EWD | Universal | TUL06P-C2 | 1 | 25 | 9% | 100% | <1s |
| EWD | Universal | SUL06P | 1 | 25 | 9% | 100% | <1s |
| Lutron | Skylark | SCL-153P-WH | 1 | 10 | 10% | 99% | <1s |
| Leviton | Casseta | PD-10NXD | 1 | 20 | 9% | 100% | <1s |
| Lutron | Diva | DVCL-153P | 1 | 12 | 10% | 100% | <1s |
| Lutron | Maestro | MACL-153-M | 1 | 12 | 10% | 100% | <1s |
| Leviton | Vizia | VPE06 | 1 | 40 | 9% | 100% | <1s |
| Leviton | Vizia | VZE04 | 1 | 40 | 10% | 100% | <1s |
| Lutron | Maestro | MAELV600 | 1 | 40 | 8% | 100% | <1s |
| Lutron | Faedra | FAELV500 | 1 | 33 | 10% | 100% | <1s |
| Lutron | Diva | DVELV303P | 1 | 20 | 9% | 98% | <1s |
| Lutron | Skylark | SELV300P | 1 | 20 | 9% | 99% | <1s |
| Eaton | Aspire | 9530AW | 1 | 40 | 9% | 99% | <1s |
| Eaton | Devine | DE06P | 1 | 40 | 8% | 100% | <1s |
| Eaton | React | RI061 | 1 | 40 | 9% | 99% | <1s |
| Eaton | Devine | TAL06P | 1 | 25 | 9% | 99% | <1s |
| Eaton | Toggle | DAL06P | 1 | 25 | 9% | 99% | <1s |
| Eaton | Skye | SAL06P | 1 | 25 | 9% | 99% | <1s |
| Eaton | Skye | SLC03P | 1 | 25 | 9% | 99% | <1s |
| Eaton | Devine | DLC03P | 1 | 25 | 9% | 99% | <1s |
| Eaton | Toggle | TI061 | 1 | 40 | 9% | 100% | <1s |
| Lutron | Contour | CT-103P | 1 | 66 | 9% | 100% | <1s |
| Lutron | Contour | CT-600P | 1 | 40 | 9% | 99% | <1s |
| Lutron | Rotary | D-600P | 1 | 40 | 9% | 100% | <1s |
| Lutron | Diva | DV-600P | 1 | 40 | 9% | 100% | <1s |
| Lutron | Glyder | GL-600P | 1 | 40 | 9% | 99% | <1s |
| Lutron | Lumia | LG-600PH | 1 | 40 | 9% | 99% | <1s |
| Lutron | Nova | N-600 | 1 | 40 | 10% | 99% | <1s |
| Lutron | Skylark | S-600P | 1 | 40 | 9% | 99% | <1s |
| Lutron | Centurion | C-600P | 1 | 40 | 9% | 99% | <1s |
| Lutron | Ariadni | AYLV-600P | 1 | 40 | 9% | 99% | <1s |
| Lutron | Glyder | GLV-600 | 1 | 30 | 9% | 99% | <1s |
| Lutron | Diva | DVLV-600P | 1 | 30 | 9% | 99% | <1s |
| Lutron | Lumina | LG-103P | 1 | 66 | 9% | 99% | <1s |
| Leviton | Digital | DDL06-1LZ | 1 | 25 | 7% | 99% | <1s |
| Lutron | Skylark | SLV-600P | 1 | 30 | 9% | 99% | <1s |
| EWD | Universal | DUL06P-C7 | 1 | 40 | 9% | 100% | <1s |
| Lutron | Nova | NTLV-600 | 1 | 30 | 9% | 99% | <1s |
| Lutron | Nova | NT-600 | 1 | 40 | 9% | 99% | <1s |
| Lutron(PANEL) | LCP128 (TRIAC) | LP-RPM-4U-120 | 1 | 128 | 0% | 99% | NA ¹ |
| Lutron(PANEL) | LCP128 (ELV) | LP-RPM-4A-120 | 1 | 80 | 0% | 100% | NA ¹ |
| Ecospec(PANEL) | LDCM | LDCM-PL-120-277-010V-GR | 1 | 30 | 9% | 99% | <1s |
| Greengate(Panel) | PD216 | PD216-AN10-120 | 1 | 128 | 9% | 100% | <1s |

1. Dims to Off

| Dimmer Make | Dimmer Series | Dimmer Model # | Minimum Luminaires (per circuit) | Maximum Recommended Luminaires (per circuit) | Min Dimming percentage (%) | Max Dimming percentage (%) | Low End Start Time |
|------------------|----------------|-------------------------|----------------------------------|--|----------------------------|----------------------------|--------------------|
| Leviton | Decora | 6672 | 1 | 10 | 10% | 99% | <1s |
| Leviton | SureSlide | 6674 | 1 | 10 | 10% | 100% | <1s |
| Leviton | SureSlide | DSL06-ILZ | 1 | 20 | 9% | 99% | <1s |
| Leviton | Illumatech | IPL06-ILZ | 1 | 10 | 9% | 99% | <1s |
| Leviton | Vizia | VPI06 | 1 | 32 | 10% | 100% | <1s |
| Leviton | Decora | TSL06-1LW | 1 | 20 | 10% | 100% | <1s |
| Leviton | SureSlide | RDL06-10Z | 1 | 10 | 10% | 100% | <1s |
| Lutron | Toggler | TG-600P | 1 | 32 | 10% | 99% | <1s |
| Lutron | Nova T | NTFTU-6A | 1 | 32 | 9% | 100% | <1s |
| Lutron | Toggler | TGCL-153P | 1 | 8 | 9% | 100% | <1s |
| Lutron | Lumea | LG600P | 1 | 32 | 9% | 99% | <1s |
| EWD | Universal | TUL06P-C2 | 1 | 20 | 10% | 100% | <1s |
| EWD | Universal | SUL06P | 1 | 20 | 10% | 100% | <1s |
| Lutron | Skylark | SCL-153P-WH | 1 | 8 | 9% | 100% | <1s |
| Leviton | Casseta | PD-10NXD | 1 | 17 | 9% | 100% | <1s |
| Lutron | Diva | DVCL-153P | 1 | 10 | 10% | 100% | <1s |
| Lutron | Maestro | MACL-153-M | 1 | 10 | 10% | 100% | <1s |
| Leviton | Vizia | VPE06 | 1 | 32 | 10% | 100% | <1s |
| Leviton | Vizia | VZE04 | 1 | 32 | 10% | 100% | <1s |
| Lutron | Maestro | MAELV600 | 1 | 32 | 9% | 100% | <1s |
| Lutron | Faetra | FAELV500 | 1 | 27 | 9% | 100% | <1s |
| Lutron | Diva | DVELV303P | 1 | 16 | 9% | 93% | <1s |
| Lutron | Skylark | SELV300P | 1 | 16 | 9% | 98% | <1s |
| Eaton | Aspire | 9530AW | 1 | 32 | 10% | 100% | <1s |
| Eaton | Skye | SF8AP | 1 | 52 | 11% | 100% | <1s |
| Eaton | React | RI061 | 1 | 32 | 9% | 100% | <1s |
| Eaton | Devine | TAL06P | 1 | 20 | 10% | 100% | <1s |
| Eaton | Toggle | DAL06P | 1 | 20 | 10% | 100% | <1s |
| Eaton | Skye | SAL06P | 1 | 20 | 9% | 100% | <1s |
| Eaton | Skye | SLC03P | 1 | 20 | 10% | 100% | <1s |
| Eaton | Devine | DLC03P | 1 | 20 | 10% | 100% | <1s |
| Eaton | Toggle | TI061 | 1 | 32 | 9% | 100% | <1s |
| Lutron | Ariadni | AY-600P | 1 | 32 | 9% | 99% | <1s |
| Lutron | Contour | CT-103P | 1 | 54 | 9% | 100% | <1s |
| Lutron | Contour | CT-600P | 1 | 32 | 10% | 99% | <1s |
| Lutron | Rotary | D-600P | 1 | 32 | 9% | 100% | <1s |
| Lutron | Diva | DV-600P | 1 | 32 | 10% | 100% | <1s |
| Lutron | Glyder | GL-600P | 1 | 32 | 10% | 99% | <1s |
| Lutron | Lumia | LG-600PH | 1 | 32 | 10% | 100% | <1s |
| Lutron | Nova | N-600 | 1 | 32 | 9% | 100% | <1s |
| Lutron | Skylark | S-600P | 1 | 32 | 10% | 99% | <1s |
| Lutron | Centurion | C-600P | 1 | 32 | 10% | 100% | <1s |
| Lutron | Ariadni | AYLV-600P | 1 | 32 | 12% | 100% | <1s |
| Lutron | Glyder | GLV-600 | 1 | 24 | 10% | 100% | <1s |
| Lutron | Diva | DVLV-600P | 1 | 24 | 9% | 100% | <1s |
| Lutron | Lumina | LG-103P | 1 | 54 | 10% | 100% | <1s |
| Leviton | Digital | DDL06-1LZ | 1 | 20 | 10% | 100% | <1s |
| Lutron | Skylark | SLV-600P | 1 | 24 | 9% | 99% | <1s |
| Lutron | Nova | NTLV-600 | 1 | 24 | 9% | 100% | <1s |
| Lutron | Nova | NT-600 | 1 | 32 | 9% | 100% | <1s |
| Lutron(PANEL) | LCP128 (TRIAC) | LP-RPM-4U-120 | 1 | 105 | 0% | 100% | NA ¹ |
| Lutron(PANEL) | LCP128 (ELV) | LP-RPM-4A-120 | 1 | 65 | 0% | 99% | NA ¹ |
| Ecospec(PANEL) | LDCM | LDCM-PL-120-277-010V-GR | 1 | 24 | 9% | 100% | <1s |
| Greengate(PANEL) | PD216 | PD216-AN10-120 | 1 | 105 | 10% | 100% | <1s |

1. Dims to Off

Dimmer Notes:

- 1) Start time is measured at the lowest dimmer setting.
- 2) Some LED dimmers have a “rapid start” design used to provide a momentary power boost to LED and CFL lamps during start-up. When a LED luminaire is on a dimmer with “rapid start” the boost may cause a momentary flash of the LED lighting. This “flash” is generated by the dimmer, and may be more noticeable when the dimmer is at a low setting. A solution is available with EATON dimmers which provide adjustment capability of the “rapid start”: Devine (DAL06P), Accell (AAL06P), and Trace (TAL06P).

Dimming Guide Disclaimer:

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- 3) This is a representative list of typical dimmers as tested by Cooper Lighting Solutions for performance with the designated LED luminaires only. Test data contained in this literature is based upon dimmers obtained in the marketplace. Information about these other manufacturers products is obtained from packaging and published information made available by the manufacturer and is deemed to be reliable, but has not been verified. Dimmer performance and perceived limitations of the dimmers are based on factors outside of Cooper Lighting Solutions’ control. The specifications of these dimming controls and their conditions of use may change without notice to Cooper Lighting Solutions or any other user. Cooper Lighting Solutions makes no specific recommendation on product selection and there are no warranties of performance or compatibility implied. Installer must ensure proper local and national electrical codes are followed; and that the dimmer application and condition of use is per dimmer manufacturer instructions and guidelines.