

## 5 Cell - Triac Dimming

### For Reference Only

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	SureSlide	6674	1	9	0%	99%	N.A. <sup>1</sup>
Leviton	SureSlide	6631-2	1	38	0%	100%	N.A. <sup>1</sup>
Leviton	Illuminatech	IPL06	1	9	1%	98%	<1s
Leviton	Vizia	VPI06	1	38	0%	98%	N.A. <sup>1</sup>
Leviton	Decora	6161	1	32	3%	97%	<1s
Leviton	SureSlide	6633-P	1	38	0%	99%	N.A. <sup>1</sup>
Lutron	Toggler	TG-600P	1	38	0%	95%	N.A. <sup>1</sup>
Eaton	RF Smart	RF9540-N	1	19	1%	98%	<1s
Lutron	Maestro	MAW600	1	38	1%	95%	<1s
Lutron	Toggler	TGCL-153P	1	9	3%	91%	<1s
Lutron	Lumea	LG600P	1	38	0%	78%	N.A. <sup>1</sup>
EWD	Universal	TUL06P-C2	1	19	1%	75%	<1s
EWD	Universal	SUL06P	1	19	1%	75%	<1s
Lutron	Skylark	SCL-153P-WH	1	9	1%	75%	<1s
Lutron	Diva	DV603P	1	38	0%	77%	N.A. <sup>1</sup>
Lutron	Diva	DVCL-153P	1	9	1%	75%	<1s
Lutron	Maestro	MACL-153-M	1	9	0%	9%	N.A. <sup>1</sup>
Leviton	Vizia	VPE06	1	38	1%	99%	<1s
Leviton	Legrand	H703PTU	1	19	0%	98%	N.A. <sup>1</sup>
Leviton	Vizia	VZE04	1	25	1%	98%	<1s
Leviton	Acenti	ATX10	1	64	0%	84%	N.A. <sup>1</sup>
Lutron	Maestro	MAELV600	1	38	1%	97%	<1s
Lutron	Faetra	FAELV500	1	32	1%	97%	<1s
Lutron	Diva	DVELV303P	1	19	0%	97%	N.A. <sup>1</sup>
Lutron	Skylark	SELV300P	1	19	1%	94%	<1s
EWD	Smart	AAL06	1	19	1%	94%	<1s
Lightolier	Sunrise	ZP260QEWS	1	16	1%	97%	<1s
Eaton	Aspire	9530AW	1	38	0%	100%	N.A. <sup>1</sup>
Eaton	Devine	DE06P	1	38	1%	85%	<1s
Eaton	React	RI061	1	38	0%	100%	N.A. <sup>1</sup>
Eaton	Devine	TAL06P	1	19	1%	99%	<1s
Eaton	Toggle	DAL06P	1	19	1%	99%	<1s
Eaton	Skye	SLC03P	1	19	1%	100%	<1s
Eaton	Devine	DLC03P	1	19	1%	99%	<1s
Eaton	Toggle	TI061	1	38	1%	84%	<1s
Lutron	LCP128	LP-RPM-4U-120	1	35	0%	87%	N.A. <sup>1</sup>
Lutron	LCP128	LP-RPM-4A-120	1	22	0%	86%	N.A. <sup>1</sup>
Ecospec	LDCM	LDCM-PL-120-277-010V-GR	1	29	0%	97%	N.A. <sup>1</sup>
Lutron	Ariadni	AY-600P	1	38	2%	99%	<1s
Lutron	Contour	CT-103P	1	64	1%	97%	<1s
Lutron	Contour	CT-600P	1	38	0%	97%	N.A. <sup>1</sup>
Lutron	Rotary	D-600P	1	38	0%	94%	N.A. <sup>1</sup>
Lutron	Diva	DV-600P	1	38	0%	97%	N.A. <sup>1</sup>
Lutron	Glyder	GL-600P	1	38	0%	98%	N.A. <sup>1</sup>
Lutron	Lumia	LG-600PH	1	38	0%	98%	N.A. <sup>1</sup>
Lutron	Maestro	MA-600	1	38	0%	97%	N.A. <sup>1</sup>
Lutron	Nova	N-600	1	38	0%	100%	N.A. <sup>1</sup>
Lutron	Skylark	S-600P	1	38	0%	97%	N.A. <sup>1</sup>
Lutron	Centurion	C-600P	1	38	0%	99%	N.A. <sup>1</sup>

## 5 Cell - Triac Dimming

### For Reference Only - continued

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
Lutron	Ariadni	AYLV-600P	1	29	3%	99%	<1s
Lutron	Glyder	GLV-600	1	29	1%	98%	<1s
Lutron	Diva	DVLV-600P	1	29	1%	95%	<1s
Lutron	Lumina	LG-103P	1	64	1%	94%	<1s
Lutron	Skylark	SLV-600P	1	29	1%	95%	<1s
EWD	Universal	DUL06P-C7	1	19	1%	91%	<1s
Lutron	Nova	NTLV-600	1	19	1%	96%	<1s
Lutron	Nova	NT-600	1	29	1%	97%	<1s

1. Dims to off.

## 5 Cell - 0-10V Dimming

Dimmer Make	Dimmer Series	Dimmer Model #	Types of Dimmer	Minimum Lamps or Luminaires (per circuit)	Maximum Recommended Luminaires (per circuit) at 120V	Maximum Recommended Luminaires (per circuit) at 277V	Max Dimming percentage (%)	Min Dimming percentage (%)	Low End Start Time
Eaton	Slide Dimmer	SF10P	0-10v	1	78	108	100	1	<1s
Eaton	Decorator Dimmer	DF10P	0-10v	1	78	108	100	1	<1s
Leviton	Illumatech	IP710-DL	0-10v	1	54	54	100	1	<1s
Lutron	NTFTV	NOVA T	0-10v	1	57	57	100	1	<1s
Lutron	DIVA	DVTV	0-10v	1	58	58	99	1	<1s
Eaton	iLumin	SC277-06	0-10v	1	123	188	100	1	<1s
Eaton	Greengate	CK4A	0-10v	1	153	188	100	1	<1s

# 10 Cell - Triac Dimming

## For Reference Only

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	6673	1	20	1%	92%	<1s
Leviton	SureSlide	6674	1	5	1%	98%	<1s
Leviton	SureSlide	6631-2	1	20	1%	99%	<1s
Leviton	Illumatech	IPL06	1	5	1%	97%	<1s
Leviton	Vizia	VPI06	1	20	1%	98%	<1s
Leviton	Decora	6161	1	16	1%	97%	<1s
Leviton	SureSlide	6633-P	1	20	0%	98%	N.A. <sup>1</sup>
Eaton	RF Smart	RF9540-N	1	10	1%	99%	<1s
Lutron	Maestro	MAW600	1	20	0%	94%	N.A. <sup>1</sup>
Lutron	Toggler	TGCL-153P	1	5	5%	92%	<1s
Lutron	Lumea	LG600P	1	20	0%	95%	N.A. <sup>1</sup>
EWD	Universal	TUL06P-C2	1	10	1%	93%	<1s
EWD	Universal	SUL06P	1	10	1%	91%	<1s
Lutron	Skylark	SCL-153P-WH	1	5	1%	93%	<1s
Lutron	Diva	DV603P	1	20	0%	95%	N.A. <sup>1</sup>
Lutron	Diva	DVCL-153P	1	5	1%	93%	<1s
Lutron	Maestro	MACL-153-M	1	5	0%	89%	N.A. <sup>1</sup>
Leviton	Vizia	VPE06	1	20	1%	99%	<1s
Leviton	Legrand	H703PTU	1	10	0%	99%	N.A. <sup>1</sup>
Leviton	Vizia	VZE04	1	13	1%	99%	<1s
Leviton	Acenti	ATX10	1	33	2%	99%	<1s
Lutron	Maestro	MAELV600	1	20	1%	99%	<1s
Lutron	Faedra	FAELV500	1	16	1%	99%	<1s
Lutron	Diva	DVELV303P	1	10	1%	90%	<1s
Lutron	Skylark	SELV300P	1	10	1%	93%	<1s
EWD	Smart	AAL06	1	10	1%	95%	<1s
Lightolier	Sunrise	ZP260QEW	1	8	1%	98%	<1s
Eaton	Aspire	9530AW	1	20	1%	99%	<1s
Eaton	Devine	DE06P	1	20	1%	83%	<1s
Eaton	React	RI061	1	20	0%	99%	N.A. <sup>1</sup>
Eaton	Skye	SLC03P	1	10	1%	99%	<1s
Eaton	Devine	DLC03P	1	10	1%	99%	<1s
Eaton	Toggle	TI061	1	20	1%	83%	<1s
Lutron	LCP128	LP-RPM-4U-120	1	35	0%	100%	N.A. <sup>1</sup>
Lutron	LCP128	LP-RPM-4A-120	1	22	0%	100%	N.A. <sup>1</sup>
Ecospec	LDCM	LDCM-PL-120-277-010V-GR	1	15	0%	96%	N.A. <sup>1</sup>
Lutron	Ariadni	AY-600P	1	20	3%	98%	<1s
Lutron	Contour	CT-103P	1	33	1%	95%	<1s
Lutron	Contour	CT-600P	1	20	1%	96%	<1s
Lutron	Rotary	D-600P	1	20	0%	92%	N.A. <sup>1</sup>
Lutron	Diva	DV-600P	1	20	1%	95%	<1s
Lutron	Glyder	GL-600P	1	20	1%	95%	<1s
Lutron	Lumia	LG-600PH	1	20	1%	95%	<1s
Lutron	Maestro	MA-600	1	20	1%	94%	<1s
Lutron	Nova	N-600	1	20	1%	99%	<1s
Lutron	Skylark	S-600P	1	20	0%	95%	N.A. <sup>1</sup>
Lutron	Centurion	C-600P	1	20	0%	99%	N.A. <sup>1</sup>
Lutron	Ariadni	AYLV-600P	1	15	5%	99%	<1s
Lutron	Glyder	GLV-600	1	15	1%	99%	<1s
Lutron	Diva	DVLV-600P	1	15	1%	95%	<1s
Lutron	Lumina	LG-103P	1	33	2%	95%	<1s
Lutron	Skylark	SLV-600P	1	15	1%	97%	<1s
EWD	Universal	DUL06P-C7	1	10	1%	93%	<1s
Lutron	Nova	NTLV-600	1	10	1%	99%	<1s
Lutron	Nova	NT-600	1	15	1%	99%	<1s

1. Dims to off.

## 10 Cell - 0-10V Dimming

Dimmer Make	Dimmer Series	Dimmer Model #	Types of Dimmer	Minimum Lamps or Luminaires (per circuit)	Maximum Recommended Luminaires (per circuit) at 120V	Maximum Recommended Luminaires (per circuit) at 277V	Max Dimming percentage (%)	Min Dimming percentage (%)	Low End Start Time
Eaton	Slide Dimmer	SF10P	0-10v	1	40	57	100	1	<1s
Eaton	Decorator Dimmer	DF10P	0-10v	1	40	57	100	1	<1s
Leviton	Illumatech	IP710-DL	0-10v	1	40	52	100	1	<1S
Lutron	NTFTV	NOVA T	0-10v	1	58	58	100	1	<1s
Lutron	DIVA	DVTV	0-10v	1	61	61	100	1	<1s
Eaton	iLumin	SC277-06	0-10v	1	64	152	100	1	<1s
Eaton	Greengate	CK4A	0-10v	1	81	190	100	1	<1s

## 15 Cell - Triac Dimming

### For Reference Only

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	6673	1	13	1%	94%	<1s
Leviton	SureSlide	6674	1	3	1%	99%	<1s
Leviton	SureSlide	6631-2	1	13	1%	99%	<1s
Leviton	Illuminatech	IPL06	1	3	1%	97%	<1s
Leviton	Decora	6161	1	11	4%	97%	<1s
Leviton	SureSlide	6633-P	1	13	0%	99%	N.A. <sup>1</sup>
Lutron	Toggler	TG-600P	1	13	1%	92%	<1s
Eaton	RF Smart	RF9540-N	1	6	1%	98%	<1s
Lutron	Toggler	TGCL-153P	1	3	1%	91%	<1s
Lutron	Lumea	LG600P	1	13	1%	96%	<1s
EWD	Universal	TUL06P-C2	1	6	1%	94%	<1s
EWD	Universal	SUL06P	1	6	1%	93%	<1s
Lutron	Skylark	SCL-153P-WH	1	3	1%	92%	<1s
Lutron	Diva	DV603P	1	13	1%	95%	<1s
Lutron	Diva	DVCL-153P	1	3	1%	92%	<1s
Lutron	Maestro	MACL-153-M	1	3	0%	85%	N.A. <sup>1</sup>
Leviton	Vizia	VPE06	1	13	1%	99%	<1s
Leviton	Legrand	H703PTU	1	6	1%	100%	<1s
Leviton	Vizia	VZE04	1	9	2%	100%	<1s
Leviton	Acenti	ATX10	1	22	1%	99%	<1s
Lutron	Maestro	MAELV600	1	13	2%	99%	<1s
Lutron	Faedra	FAELV500	1	11	2%	99%	<1s
Lutron	Diva	DVELV303P	1	6	1%	91%	<1s
EWD	Smart	AAL06	1	6	1%	95%	<1s
Lightolier	Sunrise	ZP260QEW	1	5	1%	95%	<1s
Eaton	Aspire	9530AW	1	13	1%	99%	<1s
Eaton	Devine	TAL06P	1	6	1%	99%	<1s
Eaton	Toggle	DAL06P	1	6	1%	98%	<1s
Eaton	Skye	SAL06P	1	6	1%	98%	<1s
Eaton	Skye	SLC03P	1	6	1%	98%	<1s
Eaton	Devine	DLC03P	1	6	1%	98%	<1s
Eaton	Toggle	TI061	1	13	1%	83%	<1s
Lutron	LCP128	LP-RPM-4U-120	1	35	0%	99%	N.A. <sup>1</sup>
Lutron	LCP128	LP-RPM-4A-120	1	22	1%	95%	<1s
Ecospec	LDCM	LDCM-PL-120-277-010V-GR	1	10	0%	90%	N.A. <sup>1</sup>
Lutron	Contour	CT-103P	1	22	1%	95%	<1s
Lutron	Contour	CT-600P	1	13	1%	96%	<1s
Lutron	Rotary	D-600P	1	13	0%	91%	N.A. <sup>1</sup>
Lutron	Diva	DV-600P	1	13	1%	95%	<1s
Lutron	Glyder	GL-600P	1	13	1%	95%	<1s
Lutron	Lumia	LG-600PH	1	13	1%	95%	<1s
Lutron	Nova	N-600	1	13	1%	99%	<1s
Lutron	Skylark	S-600P	1	13	1%	98%	<1s
Lutron	Ariadni	AYLV-600P	1	10	6%	100%	<1s
Lutron	Glyder	GLV-600	1	10	1%	99%	<1s
Lutron	Diva	DVLV-600P	1	10	1%	96%	<1s
Lutron	Skylark	SLV-600P	1	10	1%	98%	<1s
EWD	Universal	DUL06P-C7	1	6	1%	94%	<1s
Lutron	Nova	NTLV-600	1	6	1%	99%	<1s
Lutron	Nova	NT-600	1	10	1%	99%	<1s

1. Dims to off.

## 15 Cell - 0-10V Dimming

Dimmer Make	Dimmer Series	Dimmer Model #	Types of Dimmer	Minimum Lamps or Luminaires (per circuit)	Maximum Recommended Luminaires (per circuit) at 120V	Maximum Recommended Luminaires (per circuit) at 277V	Max Dimming percentage (%)	Min Dimming percentage (%)	Low End Start Time
Eaton	Slide Dimmer	SF10P	0-10v	1	27	39	100	1	<1s
Eaton	Decorator Dimmer	DF10P	0-10v	1	27	39	100	1	<1s
Leviton	Illumatech	IP710-DL	0-10v	1	27	35	100	1	<1s
Lutron	NTFTV	NOVA T	0-10v	1	43	58	99	1	<1s
Lutron	DIVA	DVTV	0-10v	1	43	61	100	1	<1s
Eaton	iLumin	SC277-06	0-10v	1	43	100	99	1	<1s
Eaton	Greengate	CK4A	0-10v	1	54	125	99	1	<1s

# Incandescent and Electronic Low Voltage Rated Dimmers

## - For Reference Only

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Testing conducted by Cooper Lighting Solutions (CLS) is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Refer to this dimming guide notes section. Consult the dimmer manufacturer prior to installation to ensure compatibility.

### Dimmer Notes:

- 1) Start time is measured at the lowest dimmer setting.
- 2) Some LED rated dimmers have a "rapid start" design used to provide a momentary power boost for 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 in the following CLS dimmers which provide adjustment capability of the "rapid start": Decorator dimmer (DAL06P), Smart dimmer (AL06P), and Toggle dimmer (TAL06P). Refer to product specifications online at [www.CLS.com](http://www.CLS.com) for more details.

### Dimming Guide Disclaimer:

- 1) Leviton® is a registered trademark of Leviton Manufacturing Co. Inc., Lutron® is a registered trademark of Lutron Electronics Co. Inc., Lightolier is a registered trademark of Philips Lighting, and any other brands are trade names or trademarks of their respective company, and are not associated with CLS.
- 2) Testing conducted by CLS is not a substitute for and does not imply certification by an independent laboratory or any other standards certification.  
Refer to the manufacturer specifications for more detailed information on product certifications and standards.
- 3) This is a representative list of typical dimmers as tested by CLS 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 CLS's control.  
The specifications of these dimming controls and their conditions of use may change without notice to CLS or any other user.  
CLS 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.