

Achievable dimming, at the low end, in percent, of the high end brightness.

Best dimmers are in dark green.

Next best dimmers are in light green.

Dimmers that have a neutral wire require that the neutral wire be present in the gang box. Most newer construction has the neutral wire in the box.

Bulb Name and Part #

Bulb Name and Part #	Part Number	Ordering Code	Lutron Diva		Lutron Skylark Contour		Lutron Maestro		Lutron Ariadni		Lutron Maestro		Lutron Credenza Lamp Dimmer		Leviton SureSlide Dimmer		Leviton Illumatech Dimmer		Electronic Low Voltage Dimmers									
			(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)				
Dimmable 6" LED Downlight Retrofit Fixture (7.25 in. dia.) 80 Watt-Equivalent 14 Watt 120 VAC Flood 90° Soft White MaxLite	RR61430W	71775	0%	5%	0%	5%	1%	10%	0%	5%	0%	3%	7%	26%	3%	16%	2%	14%	not compatible	not compatible	not compatible	not compatible	not compatible					
Dimmable 6" LED Downlight Retrofit Fixture (7.25 in. dia.) 80 Watt-Equivalent 14 Watt 120 VAC Flood 90° Cool White MaxLite	RR61450W	71777																	slight flicker	slight flicker	slight flicker	slight flicker	slight flicker					
Dimmable 4" LED Downlight Retrofit Fixture (5 in. dia.) 50 Watt-Equivalent 9 Watt 120 VAC Flood 90° Soft White MaxLite	RR40930W	71778	2%	13%	3%	17%	2%	13%	2%	13%	16%	41%	not tested		4%	19%	3%	17%	5%	22%	5%	22%	6%	24%	5%	23%	7%	27%
Dimmable 4" LED Downlight Retrofit Fixture (5 in. dia.) 50 Watt-Equivalent 9 Watt 120 VAC Flood 90° Cool White MaxLite	RR40950W	71780																										

MaxLite Plug-and-Play Dimmable Under Cabinet Light Bars

MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 9 LEDs, 6 inch Warm White	MSDLB9627LED	71217	not compatible	not compatible	31%	56%	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	14%	38%	14%	38%	14%	38%	23%	48%	14%	38%
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 9 LEDs, 6 inch Daylight White	MSDLB9650LED	71218			flicker <31%		not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	flicker <14%	flicker <14%	flicker <14%	flicker <14%	flicker <14%	flicker <23%	flicker <14%	flicker <14%	flicker <14%	
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 12 LEDs, 12 inch Warm White	MSDLB1227LED	71215	not compatible	not compatible	31%	56%	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	14%	38%	14%	38%	14%	38%	23%	48%	14%	38%
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 12 LEDs, 12 inch Daylight White	MSDLB1250LED	71216			flicker <31%		not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	flicker <14%	flicker <14%	flicker <14%	flicker <14%	flicker <14%	flicker <23%	flicker <14%	flicker <14%	flicker <14%	
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 18 LEDs, 12 inch Warm White	MSDLB1827LED	71213	not compatible	not compatible	31%	56%	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	14%	38%	14%	38%	14%	38%	23%	48%	14%	38%
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 18 LEDs, 12 inch Daylight White	MSDLB1850LED	71214			flicker <31%		not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	flicker <14%	flicker <14%	flicker <14%	flicker <14%	flicker <14%	flicker <23%	flicker <14%	flicker <14%	flicker <14%	
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 33 LEDs, 12 inch Warm White	MSDLB3327LED	71211	not compatible	not compatible	31%	56%	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	14%	38%	14%	38%	14%	38%	23%	48%	14%	38%
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 33 LEDs, 12 inch Daylight White	MSDLB3350LED	71212			flicker <31%		not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	flicker <14%	flicker <14%	flicker <14%	flicker <14%	flicker <14%	flicker <23%	flicker <14%	flicker <14%	flicker <14%	

Hera E-lite Dimmable Under Cabinet Bars

E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 33 LEDs, 11.02 inch Warm White	EL-LED-12-WW		15%	38%	15%	38%									15%	38%	13%	36%	13%	36%									
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 33 LEDs, 11.02 inch Cool White	EL-LED-12-CW																												
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 55 LEDs, 21.26 inch Warm White	EL-LED-22-WW		15%	38%	15%	38%									15%	38%	13%	36%	13%	36%									
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 55 LEDs, 21.26 inch Cool White	EL-LED-22-CW																												
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 88 LEDs, 33.07 inch Warm White	EL-LED-34-WW		15%	38%	15%	38%									15%	38%	13%	36%	13%	36%									
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 88 LEDs, 33.07 inch Cool White	EL-LED-34-CW																												
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 121 LEDs, 44.88 inch Warm White	EL-LED-46-WW		15%	38%	15%	38%									15%	38%	13%	36%	13%	36%									
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 121 LEDs, 44.88 inch Cool White	EL-LED-46-CW																												
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 143 LEDs, 56.69 inch Warm White	EL-LED-59-WW		15%	38%	15%	38%									15%	38%	13%	36%	13%	36%									
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 143 LEDs, 56.69 inch Cool White	EL-LED-59-CW																												

Direct Wire Under Cabinet Lighting (Kichler)

Kichler Design Pro LED 6, 12, 22 or 30 inch Direct Wire Dimmable Under Cabinet Light (White, Stainless Steel or Bronze)	12055xx, 12056xx 12057xx, 12058xx		11%	33%	11%	33%			not tested	not tested	22%	47%	not tested	not tested	15%	39%	15%	39%	15%	39%	insufficient load	insufficient load	insufficient load	insufficient load	insufficient load	insufficient load	insufficient load	insufficient load	not compatible
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EnvironmentalLights.com Magnetic Dimming Drivers

36 Watt 12 VDC Dimming Power Supply (120 VAC input)	36W12VDim-120AC		Not Compatible																							
48 Watt 24 VDC Dimming Power Supply (120 VAC input)	48W24VDim-120AC		Not Compatible																							
60 Watt 12 VDC Dimming Power Supply (120 VAC input)	60W12VDim-120AC		Not Compatible																							
96 Watt 24 VDC Dimming Power Supply (120 VAC input)	96W24VDim-120AC		Not Compatible																							
240 (4x60) Watt 12 VDC Dimming Power Supply (120 VAC input)	4x60W12VDimX-120AC		Not Compatible																							
288 (3x96) Watt 24 VDC Dimming Power Supply (120 VAC input)	3x96W24VDimX-120AC		Not Compatible																							

ETL Listed Class 2 Phase Dimming Drivers

60 Watt 12 VDC LED Professional Phase Dimming Driver (120 VAC input), with Junction Box	EL-12060-D		0%	0%	0%	0%	0%	0%	Not Compatible	0%	0%				16%	40%	16%	40%							3%	17%	0%	0%
96 Watt 24 VDC LED Professional Phase Dimming Driver (120 VAC input), with Junction Box	EL-24096-D		0%	0%	0%	0%	0%	0%	Not Compatible	0%	0%				20%	45%	18%	42%							4%	20%	1%	10%

Notes:

Test results were made with only one unit on a dimmer at a time. This is the most difficult condition, typically.

More bulbs or bars=better dimming, usually.

Perceived dimming = square root of measured dimming. Example: 20% measured = 45% perceived.

"Pop-on" means the lights do not come on smoothly from the bottom. As you brighten the lights, they "pop-on."

"Bounce-back" means the lights dim as expected until near the bottom, when they get brighter, even as you continue to move the slider down.

"Dead Travel" means that moving the slider through part of its range (usually the top end), will not change brightness. Typically, people don't object too much to this.

Achievable dimming, at the low end, in percent, of the high end brightness.

Best dimmers are in dark green.

Next best dimmers are in light green.

Dimmers that have a neutral wire require that the neutral wire be present in the gang box. Most newer construction has the neutral wire in the box.

Bulb Name and Part #	Part Number	Ordering Code	Leviton Sureslide		Lutron Diva		Lutron Skylark		Lutron Ariadni		Lutron Nova T		Magnetic Low Voltage Dimmers		Lutron Maestro Wireless		Lutron Maestro Wireless		Lutron Maestro Wireless		WattStopper Paddle Dimmer		WattStopper Slide Dimmer	
			(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)	(Measured) (%)	(Perceived) (%)
Dimmable 6" LED Downlight Retrofit Fixture (7.25 in. dia.) 80 Watt-Equivalent 14 Watt 120 VAC Flood 90° Soft White MaxLite	RR61430W	71775	0%	5%	not compatible	not compatible	not compatible	not compatible	4%	20%	not compatible	0%	6%	0%	7%	not compatible	not compatible	1%	8%					
Dimmable 6" LED Downlight Retrofit Fixture (7.25 in. dia.) 80 Watt-Equivalent 14 Watt 120 VAC Flood 90° Cool White MaxLite	RR61450W	71777			not compatible	not compatible	not compatible	not compatible			slight flicker					slight flicker								
Dimmable 4" LED Downlight Retrofit Fixture (5 in. dia.) 50 Watt-Equivalent 9 Watt 120 VAC Flood 90° Soft White MaxLite	RR40930W	71778	6%	25%	3%	18%	2%	16%	5%	22%	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	2%	13%	not compatible	not compatible	not compatible	not compatible		
Dimmable 4" LED Downlight Retrofit Fixture (5 in. dia.) 50 Watt-Equivalent 9 Watt 120 VAC Flood 90° Cool White MaxLite	RR40950W	71780									not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible		

MaxLite Plug-and-Play Dimmable Under Cabinet Light Bars

MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 9 LEDs, 6 inch Warm White	MSLDL89627LED	71217	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 9 LEDs, 6 inch Daylight White	MSLDL89650LED	71218																				
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 12 LEDs, 12 inch Warm White	MSLDL81227LED	71215	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 12 LEDs, 12 inch Daylight White	MSLDL81250LED	71216																				
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 18 LEDs, 12 inch Warm White	MSLDL81827LED	71213	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 18 LEDs, 12 inch Daylight White	MSLDL81850LED	71214																				
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 33 LEDs, 12 inch Warm White	MSLDL83327LED	71211	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible	not compatible
MaxLite Plug-and-Play Dimmable Under Cabinet Light Bar with Diffuser, 33 LEDs, 12 inch Daylight White	MSLDL83350LED	71212																				

Hera E-lite Dimmable Under Cabinet Bars

E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 33 LEDs, 11.02 inch Warm White	EL-LED-12-WW															16%	40%					
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 33 LEDs, 11.02 inch Cool White	EL-LED-12-CW																					
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 55 LEDs, 21.26 inch Warm White	EL-LED-22-WW															16%	40%					
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 55 LEDs, 21.26 inch Cool White	EL-LED-22-CW																					
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 88 LEDs, 33.07 inch Warm White	EL-LED-34-WW															16%	40%					
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 88 LEDs, 33.07 inch Cool White	EL-LED-34-CW																					
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 121 LEDs, 44.88 inch Warm White	EL-LED-46-WW															16%	40%					
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 121 LEDs, 44.88 inch Cool White	EL-LED-46-CW																					
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 143 LEDs, 56.69 inch Warm White	EL-LED-59-WW															16%	40%					
E-Lite LED Dimmable Under Cabinet Light Bar with Diffuser, 143 LEDs, 56.69 inch Cool White	EL-LED-59-CW																					

Direct Wire Under Cabinet Lighting (Kichler)

Kichler Design Pro LED 6, 12, 22 or 30 inch Direct Wire Dimmable Under Cabinet Light (White, Stainless Steel or Bronze)	12055xx, 12056xx 12057xx, 12058xx		8%	28%	15%	39%	10%	32%	not tested	not compatible	17%	41%	not compatible	not compatible	not compatible	not tested	not tested					
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EnvironmentalLights.com Magnetic Dimming Drivers

36 Watt 12 VDC Dimming Power Supply (120 VAC input)	36W12VDim-120AC		2%	13%	2%	13%	1%	9%	0%	3%	13%	37%	1%	10%	not compatible	0%	0%	not compatible	0%	5%	0%	5%	
48 Watt 24 VDC Dimming Power Supply (120 VAC input)	48W24VDim-120AC		0%	0%	0%	0%	0%	0%	0%	0%	6%	24%	0%	0%	not compatible	dead travel at top	0%	0%	not compatible	not recommended	0%	0%	
60 Watt 12 VDC Dimming Power Supply (120 VAC input)	60W12VDim-120AC		0%	0%	0%	6%	4%	21%	0%	3%	13%	37%	4%	20%	not compatible	dead travel at top	0%	0%	not compatible	0%	5%	0%	5%
96 Watt 24 VDC Dimming Power Supply (120 VAC input)	96W24VDim-120AC		0%	0%	0%	3%	0%	3%	0%	0%	4%	19%	0%	3%	not compatible	dead travel at top	0%	0%	not compatible	0%	0%	0%	0%
240 (4x60) Watt 12 VDC Dimming Power Supply (120 VAC input)	4x60W12VDimX-120AC		1%	12%	29%	54%	27%	52%	7%	26%	33%	57%	36%	60%	not compatible	dead travel at top	0%	0%	not compatible	not compatible	4%	19%	
288 (3x96) Watt 24 VDC Dimming Power Supply (120 VAC input)	3x96W24VDimX-120AC		may flicker slightly	0%	19%	44%	17%	41%	10%	32%	25%	50%	26%	51%	not compatible	dead travel at top	0%	0%	not compatible	6%	24%	1%	9%

ETL Listed Class 2 Phase Dimming Drivers

60 Watt 12 VDC LED Professional Phase Dimming Driver (120 VAC input), with Junction Box	EL-12060-D				3%	16%									not compatible	1%	10%	not compatible				
96 Watt 24 VDC LED Professional Phase Dimming Driver (120 VAC input), with Junction Box	EL-24096-D				3%	16%									not compatible	2%	14%	not compatible				

Notes:

Test results were made with only one unit on a dimmer at a time. This is the most difficult condition, typically.

More bulbs or bars=better dimming, usually.

Perceived dimming = square root of measured dimming. Example: 20% measured = 45% perceived.