

LED Dimmer/Bulb Compatibility

Decora Slide

DSL06



Leviton is proud to be a leader in the electrical industry by using the latest technology to develop products that enhance daily living and help save energy. Sharing our knowledge and experience with you is an important part of our brand promise to put our customers at the center of everything we do.

This report was developed to help you understand how to best pair today's LED bulbs with Leviton dimmers so you can locate the best combination to meet your lighting needs.

LED vs Incandescent Bulbs

Incandescent bulbs are rapidly being phased out in favor of longer-lasting, more energy efficient LED bulbs. Because their circuitry is more complex, not all LED bulbs will dim smoothly, and some may present other inconsistencies such as flickering, slow start-up, limited dimming range or inconsistent illumination.



Compatibility is Key

In order to achieve the best performance, it is important to ensure that the LED bulb and dimmer you select are compatible when used together. Existing dimmers in older homes are likely "incandescent only" dimmers - installed before LED bulbs became mainstream. Incandescent dimmers are not rated for use with LED bulbs. Leviton recommends only using LED bulbs with dimmers that are rated to control an LED load.



Testing for Compatibility

Leviton is dedicated to providing our customers with the best experience when using Leviton dimmers. We work closely with LED bulb manufacturers and have a dedicated team in our in-house lab that conducts ongoing testing of the latest LED bulbs/fixtures with our LED dimmers to determine the best combinations.

This test program is designed to meet or exceed the latest testing criteria for evaluating performance of LED bulbs with Leviton dimmers. We measure a number of factors including dimming range and irregular functionality such as flickering or shimmering, slow start up, noise (humming/buzzing) levels and inconsistent illumination. The testing is ongoing and results are updated regularly in our user friendly LED Compatibility Selector Tool available at Leviton.com/led.

Understanding the Rating System

Our ratings will help you determine which bulbs/fixtures have been tested and approved as compatible with Leviton LED dimmers. All results listed within this report are deemed compatible. The bulbs that display an asterisk (*) after the model# are those that had exceptional performance and compatibility beyond our criteria.

LED Bulb Compatibility
Decora Slide Dimmer - DSL06



Bulb Type	Bulb Manufacturer	Model #	Wattage	Equivalent Wattage	Color/Temperature (K)
4 in Retrofit	Cree	SRDL4-0572700FH-12DE26-1-11*	8	55	Daylight (5000K)
		SRDL4-0575000FH-12DE26-1*	8	55	Daylight (5000K)
		TRDL4-0782700FH50-12DE26-1-11	10.5	75	Soft White (2700K)
		TRDL4-0784000FH50-12DE26-1-11004S-D	10.5	75	Cool White (4000K)
6 in Retrofit	Cree	TRDL6-0802700FH50-12DE26-1-11004S-D	11	75	Soft White (2700K)
		TRDL6-0804000FH50-12DE26-1-11004S-D	11	75	Cool White (4000K)
	Westinghouse	5056000	11	65	Daylight (5000K)
A15	EcoSmart	ECS A15 40WE W27 120 G1	4	40	Soft White (2700K)
	Philips	046677463960*	5.5	40	Warm Glow (2200-2700K)
A19	Amazon Basic	B01MRKXX6E*	11	75	Daylight (5000K)
	Cree	SA19-08127MDFD-12DE26-1-14	9.5	60	Soft White (2700K)
		SA19-08150MDFD-12DE26-1-14	8.5	60	Daylight (5000K)
		TA19-04527MDFH25- 12DE26-1-12*	5.5	40	Soft White (2700K)
		TA19-04550MDFH25-12DE26-1-12*	5.5	40	Daylight (5000K)
		TA19-08027MDFH25-12DE26-1-12014S-D*	10	60	Soft White (2700K)
		TA19-08050MDFH25-12DE26-1-12*	10	60	Daylight (5000K)
		TA19-11027MDFH25-12DE26-1-11007S-D*	12	75	Soft White (2700K)
		TA19-11050MDFH25-12DE26-1-11*	12	75	Daylight (5000K)
		TA19-11030MDFH25-12DE26-1-11007S-D*	12	75	Soft White (2700K)
		A19-75W-P1-27K-E26-U1*	12	75	Soft White (2700K)
		A19-75W-P1-30K-E26-U1*	12	75	Bright White (3000K)
		A19-75W-P1-50K-E26-U1*	12	75	Daylight (5000K)
		TA19-04530MDFH25-12DE26-1-12014S-D*	5.5	40	Bright White (3000K)
		A19-40W-P1-27K-E26-U1*	5.5	40	Soft White (2700K)
		A19-40W-P1-30K-E26-U1*	5.5	40	Bright White (3000K)
		A19-40W-P1-50K-E26-U1*	5.5	40	Daylight (5000K)
		TA19-08030MDFH25-12DE26-1-12014S-D*	10	60	Bright White (3000K)
		A19-60W-P1-27K-E26-U1*	10	60	Soft White (2700K)
		A19-60W-P1-30K-E26-U1*	10	60	Bright White (3000K)
	A19-60W-P1-40K-E26-U1*	10	60	Cool White (4000K)	
	A19-60W-P1-50K-E26-U1*	10	60	Daylight (5000K)	
	EcoSmart	A460ST-Q1D-01	6.5	40	Soft White (2700K)
		A7A1960WESD02	8.5	60	Bright White (3000K)
		B6A19100WESD03	15	100	Bright White (3000K)
		C5A19A75WESD04*	12.5	75	Soft White (2700K)
		C5A19A75WESD05*	12.5	75	Bright White (3000K)
		A6A1960WESD81	9	60	Soft White (2700K)
		B6A19100WESD01	15	100	Soft White (2700K)
		A7A19A75WESD09*	13	75	Daylight (5000K)
		A7A19A100WESD04*	15.5	100	Soft White (2700K)
		B6A19100WESD02*	15	100	Daylight (5000K)
	GE	A7A19A75WESD08*	13	75	Bright White (3000K)
A7A19A75WESD07*		13	75	Soft White (2700K)	
LED8A19DD-LT*		8	60	Soft White (2700K)	
LED8DAGDL15-LT4*		8	60	Daylight (5000K)	
LED8DAGDL15-LT8*		8	60	Daylight (5000K)	
LED8DAGDL9-LT8*		8	60	Daylight (5000K)	
LED8DAGRVL-LT2*		8	60	Soft White (2850K)	
LED8DAGRVL-LT8*		8	60	Soft White (2850K)	
LED8DAGSW15-LT4*		8	60	Soft White (2700K)	
LED8DAGSW15-LT8*		8	60	Soft White (2700K)	
LED8DAGSW9-LT8*	8	60	Soft White (2700K)		
LED10DA19/827*	10	60	Soft White (2700K)		
LED8DAGRVL-LT4*	8	60	Soft White (2850K)		
LED8DAGSW9-LT4*	8.5	60	Soft White (2700K)		
LED8DAGDL9-LT4*	8.5	60	Daylight (5000K)		

A19	Philips	04667746244*	6	40	Warm Glow (2200-2700K)
		04667746524*	9.5	60	Warm Glow (2200-2700K)
		9290018362*	5.5	40	Daylight (5000K)
	Satco	S21713*	7.5	60	Soft White (2700K)
		S21714*	7.5	60	Soft White (2700K)
		S29804*	11	75	Cool White (4000K)
		S29810*	11	75	Soft White (2700K)
		S29811*	11	75	Bright White (3000K)
		S29812*	11	75	Cool White (4000K)
		S29813*	11	75	Daylight (5000K)
		S29814*	11	75	Soft White (2700K)
		S29805*	15	100	Bright White (3000K)
		S29815*	15	100	Soft White (2700K)
		S29816*	15	100	Bright White (3000K)
		S29817*	15	100	Cool White (4000K)
S29818*	15	100	Daylight (5000K)		
S29819*	15	100	Soft White (2700K)		
A21	Amazon Basic	B01MXLSK5W*	15	100	Soft White (2700K)
	EcoSmart	A21 11W E26 DIM 2700K	11	90	Soft White (2700K)
	Philips	046677459062*	14	75	Warm Glow (2200-2700K)
		046677459109*	18	100	Warm Glow (2200-2700K)
B10	Feit	CTT/S/CL/FILED*	4.5	25	Warm White (2000K)
BR20	EcoSmart	1003020502*	12	75	Soft White (2700K)
		1003020802*	12	75	Daylight (5000K)
		1003020602*	12	75	Bright White (3000K)
BR30	Cree	SBR30-06550FLFD-12DE26-1*	7	65	Daylight (5000K)
		SBR30-06550FLFD-12DE26-1-13	7	65	Daylight (5000K)
	EcoSmart	1003025902*	12.5	75	Bright White (3000K)
		1003024702*	12.5	75	Soft White (2700K)
		1003024102*	12.5	75	Daylight (5000K)
		1003024002*	12.5	75	Soft White (2700K)
		1003026002*	12.5	75	Bright White (3000K)
		1003024802*	12.5	75	Daylight (5000K)
	Feit	BR30DM/10KLED/MP/12*	8	65	Bright White (3000K)
	Noma	399-1972-0*	9.5	65	Soft White (2700K)
	Philips	465996	11	60	Daylight (5000K)
		531749	9	65	Soft White (2700K)
Westinghouse	5008000*	8	65	Daylight (5000K)	
BR40	EcoSmart	1003025202*	9	65	Bright White (3000K)
		1003025202*	16	90	Daylight (5000K)
		1003024902*	12.5	75	Soft White (2700K)
	Philips	46677465254	12.5	75	Daylight (5000K)
C35	EcoSmart	46677465254	10	65	Warm Glow (2200-2700K)
		C35C 4.5W E26 L DIM	4.5	60	Soft White (2700K)
Downlight	Cree	CR6T-825L-27K-12-E26GU24	11	75	Soft White (2700K)
		CR6T-825L-30K-12-E26GU24	11	75	Bright White (3000K)
		CR6T-825L-35K-12-E26GU24	11	75	Neutral White (3500K)
		CR6T-825L-40K-12-E26GU24	11	75	Cool White (4000K)
		CR4T-790L-27K-12-E26GU24	10.5	75	Soft White (2700K)
		CR4T-790L-30K-12-E26GU24	10.5	75	Bright White (3000K)
		CR4T-790L-35K-12-E26GU24	10.5	75	Neutral White (3500K)
		CR4T-790L-40K-12-E26GU24	10.5	75	Cool White (4000K)
F15	Philips	458620	7	60	Warm Glow (2200-2700K)
G16.5	EcoSmart	FG-03152*	4.5	60	Daylight (5000K)
		FG-03150*	4.5	60	Soft White (2700K)
		FG-03154*	4	40	Soft White (2700K)
		FG-03155*	4	40	Soft White (2700K)
		FG-03157*	4	40	Daylight (5000K)
	Philips	477752*	5.5	60	Soft White (2700K)
477745*		5.5	60	Soft White (2700K)	
G25	EcoSmart	FG-03144*	4.5	60	Daylight (5000K)
		FG-03142*	4.5	60	Soft White (2700K)
		FG-03148*	4	40	Daylight (5000K)
		FG-03149*	4	40	Daylight (5000K)
		FG-03147*	4	40	Soft White (2700K)
		FG-03146*	4	40	Soft White (2700K)
	Feit	G25/S/CL/FILED*	6.5	40	Warm White (2000K)

G25	Philips	477646	5	40	Daylight (5000K)	
		9290018409	5	40	Soft White (2700K)	
		9290018410	5	40	Daylight (5000K)	
MR16	EcoSmart	A6GU10M35WESD02	4.5	35	Bright White (3000K)	
PAR16	EcoSmart	A6GU10M50WESD02	5.3	50	Bright White (3000K)	
		A6PR16M50WESD02	5.3	50	Bright White (3000K)	
		A6PR16M35WESD04	4.5	35	Bright White (3000K)	
PAR20	EcoSmart	A6PR20P50WESD03	6.5	50	Daylight (5000K)	
		A6PR20P50WESD02	6.5	50	Bright White (3000K)	
	Philips	9290018451*	7	50	Soft White (2700K)	
PAR30	EcoSmart	B7PR30LP75ESD02	9	75	Daylight (5000K)	
		5bHPR650STW1D29*	9.5	75	Bright White (3000K)	
		A7PR30S75WESD02	8	75	Soft White (2700K)	
		A6PR30P75WESD03	8	75	Daylight (5000K)	
		Satco	S9410*	13	50	Soft White (2700K)
	S9411*		13	50	Bright White (3000K)	
	S9412*		13	50	Neutral White (3500K)	
	S9413*		13	50	Cool White (4000K)	
	S9414*		13	50	Daylight (5000K)	
	S9415*		13	50	Soft White (2700K)	
	S9416*		13	50	Bright White (3000K)	
	S9417*		13	50	Neutral White (3500K)	
	S9418*		13	50	Cool White (4000K)	
	S9419*		13	50	Daylight (5000K)	
	S9420*		13	50	Soft White (2700K)	
	S9421*		13	50	Bright White (3000K)	
	S9422*		13	50	Neutral White (3500K)	
	S9423*		13	50	Cool White (4000K)	
	S9424*		13	50	Daylight (5000K)	
	S9425*		13	75	Soft White (2700K)	
	S9426*		13	75	Bright White (3000K)	
	S9427*		13	75	Neutral White (3500K)	
	S9428*		13	75	Cool White (4000K)	
	S9429*		13	75	Daylight (5000K)	
	S9430*		13	75	Soft White (2700K)	
	S9431*		13	75	Bright White (3000K)	
	S9432*		13	75	Neutral White (3500K)	
	S9433*		13	75	Cool White (4000K)	
	S9434*		13	75	Daylight (5000K)	
	S9435*		13	75	Soft White (2700K)	
	S9436*		13	75	Bright White (3000K)	
	S9437*		13	75	Neutral White (3500K)	
	S9438*		13	75	Cool White (4000K)	
S9439*	13	75	Daylight (5000K)			
S9486*	13	50	Soft White (2700K)			
S9487*	13	75	Soft White (2700K)			
PAR38	Amazon Basic	B079VMHM76*	14	90	Bright White (3000K)	
	EcoSmart	A6PR38P90WESD02	11	90	Bright White (3000K)	
		A6PR38120WESD03	14.5	120	Daylight (5000K)	
	Westinghouse	5301400	15	90	Bright White (3000K)	
ST19	Feit	AT19/H/LED	4.5	25	Warm White (2000K)	
T6	Feit	T6/S/CL/FILED*	4.5	25	Warm White (2000K)	

* The bulbs that display an asterisk (*) after the model# have exceptional performance and compatibility beyond our criteria.