

LED Dimmer/Bulb Compatibility

SureSlide®

6674



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.

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Bulb Type	Bulb Manufacturer	Model #	Wattage	Equivalent Wattage	Color/Temperature (K)
4" Retrofit	Cree	SRDL4-0575000FH-12DE26-1	8	55	Daylight (5000K)
		SRDL4-0572700FH-12DE26-1-11	8	55	Daylight (5000K)
		TRDL4-0782700FH50-12DE26-1-11	10.5	75	Soft White (2700K)
	EcoSmart	DL-N34A9ER1-27*	9	65	Soft White (2700K)
	Westinghouse	5054000	10	65	Daylight (5000K)
6" Retrofit	Cree	TRDL6-0802700FH50-12DE26-1-11004S-D*	11	75	Soft White (2700K)
		TRDL6-1102700FH50-12DE26-1-11*	14.5	100	Soft White (2700K)
		TRDL6-1602700FH50-12DE26-1-11*	21	150	Soft White (2700K)
	Lithonia	65BEMW*	12.1	65	Soft White (2700K)
	Westinghouse	5056000*	11	65	Daylight (5000K)
A15	EcoSmart	A15 6.5W E26 DIM 2700K	6.5	60	Soft White (2700K)
	Philips	046677463960*	5.5	40	Warm Glow (2200-2700K)
A19	Cree	TA19-04527MDFH25-12DE26-1-12	5.5	40	Soft White (2700K)
		TA19-04550MDFH25-12DE26-1-12	5.5	40	Daylight (5000K)
		SA19-08150MDFD-12DE26-1-14*	8.5	60	Daylight (5000K)
		SA19-08127MDFD-12DE26-1-14*	9.5	60	Soft White (2700K)
		TA19-08027MDFH25-12DE26-1-12014S-D	10	60	Soft White (2700K)
		TA19-08050MDFH25-12DE26-1-12	10	60	Daylight (5000K)
		SA19-11050MDFD12DE26-1-11	10.2	75	Daylight (5000K)
		SA19-11027MDFD-12DE26-1-11	10.2	75	Daylight (5000K)
		TA19-11027MDFH25-12DE26-1-11007S-D	12	75	Soft White (2700K)
		TA19-11050MDFH25-12DE26-1-11	12	75	Daylight (5000K)
	EcoSmart	ECS A19 40WE W27 FIL 120 3PK*	4.5	40	Soft White (2700K)
		A19G 5.5W E26 DIM 2200K*	5.5	60	Warm White (2200K)
		C5A19A40WESD09*	5.6	40	Daylight (5000K)
		B7A19A40WESD02*	5.7	40	Bright White (3000K)
		A460ST-Q1D-01	6.5	40	Soft White (2700K)
		A7A1960WESGD03*	7	60	Daylight (5000K)
		A7A19A60WESQD01*	7.5	60	Soft White (2700K)
		A7A19A60WESQD03*	7.5	60	Daylight (5000K)
		A8A19A60WESGD03	7.5	60	Soft White (2700K)
		A8A19A60WESD01	8	60	Soft White (2700K)
		A7A1960WESD02*	8.5	60	Bright White (3000K)
		A6A1960WESD81*	9	60	Soft White (2700K)
		B7A19A60WESD14*	9.5	60	Soft White (2700K)
		C5A19A75WESD04*	12.5	75	Soft White (2700K)
		C5A19A75WESD05*	12.5	75	Bright White (3000K)
		5bSA1100STQ1D01*	12.5	75	Soft White (2700K)
	B6A19100WESD02*	15	100	Daylight (5000K)	
	A7A19A100WESD04*	15.5	100	Soft White (2700K)	
	Philips	461632*	4.5	60	Warm White (2000K)
		9290018362*	5.5	40	Daylight (5000K)
		04667746244*	6	40	Warm Glow (2200-2700K)
		04667746524*	9.5	60	Warm Glow (2200-2700K)
	Soraa	SA19-11-OMNI-927-01*	11	60	Soft White (2700K)
	Westinghouse	4369600*	9	60	Soft White (2700K)
		5313600*	15	100	Soft White (2700K)
	A21	EcoSmart	A21 11W E26 DIM 2700K*	11	90
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)

B11	Cree	TB11-01827MDCH15-12DE12-1-12	2.6	25	Soft White (2700K)
		TB11-01850MDCH15-12DE12-1-12	2.6	25	Daylight (5000K)
		TB11-03527MDCH15-12DE12-1-12	4	40	Soft White (2700K)
		TB11-03550MDCH15-12DE12-1-12	4	40	Daylight (5000K)
		TB11-05027MDCH15-12DE12-1-12	5.3	60	Soft White (2700K)
		TB11-05050MDCH15-12DE12-1-12	5.3	60	Daylight (5000K)
	EcoSmart	ECS B11 CA 40WE W27 LP E12 120 3PK*	4	40	Soft White (2700K)
		FG-03128	4	40	Soft White (2700K)
		FG-03130	4	40	Daylight (5000K)
		FG-03129	4	40	Soft White (2700K)
		FG-03131	4	40	Daylight (5000K)
		B1160WFILE123P	4.5	60	Soft White (2700K)
	B1160WDLE123P*	6	60	Daylight (5000K)	
	Philips	463901	4.5	40	Daylight (5000K)
Westinghouse	5314100*	4.5	40	Soft White (2700K)	
B13	Westinghouse	5313200*	6.5	60	Soft White (2700K)
BR20	EcoSmart	1003020502	12	75	Soft White (2700K)
		1003020802	12	75	Daylight (5000K)
		1003020602	12	75	Bright White (3000K)
BR30	Cree	SBR30-06550FLFD-12DE26-1-13*	7	65	Daylight (5000K)
		SBR30-06550FLFD-12DE26-1	7	65	Daylight (5000K)
		SBR30-06527FLFD-12DE26-1-13*	8	65	Soft White (2700K)
		D-BR30-65WE-2700K*	8.5	65	Soft White (2700K)
	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*	9.5	65	Soft White (2700K)
	Noma	399-1972-0*	11	60	Daylight (5000K)
	Philips	046677465995*	9	65	Warm Glow (2200-2700K)
		465996*	9	65	Soft White (2700K)
Soraa	SB30-11-120D-927-01*	11.5	65	Soft White (2700K)	
Westinghouse	5008000*	9	65	Bright White (3000K)	
BR40	EcoSmart	1003025202*	16	90	Daylight (5000K)
		46677465254*	10	65	Warm Glow (2200-2700K)
	Philips	459826	10	65	Daylight (5000K)
		457002	10	65	Soft White (2700K)
C35	EcoSmart	G25 7W L E26 DIM*	4.5	40	Soft White (2700K)
		C35C 4.5W E26 DIM*	4.5	40	Soft White (2700K)
		C35C 4.5W E12 L DIM	4.5	60	Soft White (2700K)
		C35C 4.5W E26 L DIM	4.5	60	Soft White (2700K)
F15	Philips	458620	7	60	Warm Glow (2200-2700K)
G16.5	EcoSmart	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-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)
		G25 7W L E26 DIM*	7	100	Soft White (2700K)
	Feit	G25/S/CL/FILED*	6.5	40	Warm White (2000K)
Philips	477646	5	40	Daylight (5000K)	
MR16	Westinghouse	5303200*	6.5	50	Bright White (3000K)
PAR16	EcoSmart	A6PR16M50WESD02*	5.3	50	Bright White (3000K)
		A6GU10M50WESD02	5.3	50	Bright White (3000K)
PAR20	EcoSmart	5bHPR500STW1D19*	5.5	50	Daylight (5000K)
		B7PR20P50WESD01	6.5	50	Bright White (3000K)
	Philips	9290018451*	7	50	Soft White (2700K)
478578*		7	50	Daylight (5000K)	

PAR30	EcoSmart	A7PR30S75WESD02*	8	75	Soft White (2700K)
		A6PR30P75WESD03	8	75	Daylight (5000K)
		5bHPR650STW1D29	9.5	75	Bright White (3000K)
PAR38	Cree	TPAR38-1503040FH25-12DE26-1-11003S-T*	19	120	Bright White (3000K)
		TPAR38-1803040FH25-12DE26-1-11*	19	150	Bright White (3000K)
		TPAR38-1503025FH25-12DE26-1-11*	19	120	Bright White (3000K)
	EcoSmart	B7PR38P100ESD22*	13	90	Daylight (5000K)
		B7PR38P100ESD12*	13	90	Bright White (3000K)
	Philips	9290013203*	12	90	Daylight (5000K)
		9290013200*	12	90	Bright White (3000K)
		467944*	14	120	Daylight (5000K)
		467936*	14	120	Bright White (3000K)
	Westinghouse	5301400*	15	90	Bright White (3000K)
R20	EcoSmart	1003017802*	8	50	Daylight (5000K)
	Philips	456995*	6	45	Warm Glow (2200-2700K)
		9290018878*	6	45	Daylight (5000K)
	Westinghouse	5012000*	6.5	50	Daylight (5000K)
R30	Westinghouse	5300000*	8	65	Soft White (2700K)
ST19	EcoSmart	FG-03120*	3.2	40	Soft White (2700K)
		FG-03121*	3.2	40	Daylight (5000K)
		ST19G 5.5W L E26 DIM 2200K*	5.5	60	Warm White (2200K)
	Feit	AT19/H/LED*	4.5	25	Warm White (2000K)
T6	Feit	T6/S/CL/FILED*	4.5	25	Warm White (2000K)

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