

LED Dimmer/Bulb Compatibility

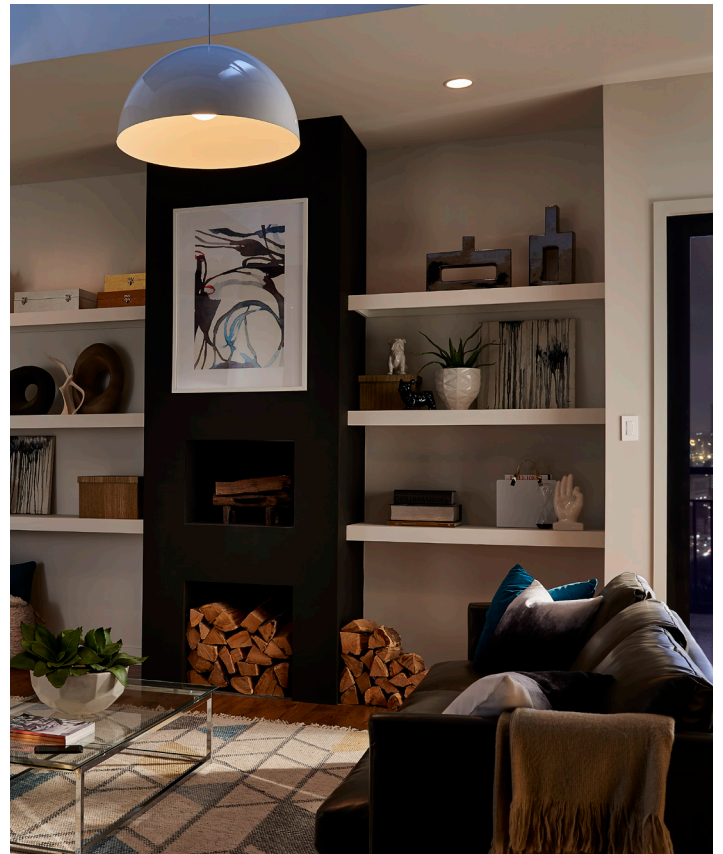
Decora Smart™

DW6HD

DZ6HD

DH6HD

DL6HD



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 Smart™ Dimmers with Wi-Fi Technology
DW6HD, DZ6HD, DH6HD, DL6HD



Bulb Type	Bulb Manufacturer	Model #	Wattage	Equivalent Wattage	Color/Temperature (K)	
4 in Retrofit	ConTech	RF4L130KCG-WHT*	12	60	Bright White (3000-3499K)	
		RF4L127KCG-PL*	12	60	Soft White (2400-2999K)	
		RF4L127KCG-WHT*	12	60	Soft White (2400-2999K)	
		RF4L130KCE-PL*	12	60	Bright White (3000-3499K)	
		RF4L130KCE-WHT*	12	60	Bright White (3000-3499K)	
	RF4L130KCG-PL*	12	60	Bright White (3000-3499K)		
	Cree	SRDL4-0572700FH-12DE26-1-11*	8	55	Daylight (4500-6500K)	
		SRDL4-0575000FH-12DE26-1*	8	55	Daylight (4500-6500K)	
		TRDL4-0782700FH50-12DE26-1-11*	10.5	75	Soft White (2400-2999K)	
TRDL4-0784000FH50-12DE26-1-11004S-D*		10.5	75	Cool White (3500-4499K)		
6 in Retrofit	ConTech	RF6L127KCE-WHT	15	75	Soft White (2400-2999K)	
		RF6L127KCE-PL	15	75	Soft White (2400-2999K)	
		RF6L127KCG-PL	15	75	Soft White (2400-2999K)	
		RF6L127KCG-WHT	15	75	Bright White (3000-3499K)	
	Cree	SRDL6-0652700FH-12DE26-1-11*	10	65	Soft White (2400-2999K)	
		SRDL6-0655000FH-12DE26-1-11*	10	65	Daylight (4500-6500K)	
		TRDL6-0802700FH50-12DE26-1-11004S-D*	11	75	Soft White (2400-2999K)	
		TRDL6-1102700FH50-12DE26-1-11*	14.5	100	Soft White (2400-2999K)	
		TRDL6-1602700FH50-12DE26-1-11*	21	150	Soft White (2400-2999K)	
		TRDL6-0804000FH50-12DE26-1-11004S-D*	11	75	Cool White (3500-4499K)	
		TRDL6-1104000FH50-12DE26-1-11004S-D*	14.5	100	Cool White (3500-4499K)	
		TRDL6-1604000FH50-12DE26-1-11004S-D*	21	150	Cool White (3500-4499K)	
	EcoSmart	DL-N34A9ER1-27	9	65	Warm White (2000-2399K)	
	Halo	LT560WH6930	10	65	Bright White (3000-3499K)	
		LT560WH6927	9.5	65	Soft White (2400-2999K)	
		LT560WH6935*	9.6	65	Cool White (3500-4499K)	
		LT560WH6940*	10.3	65	Cool White (3500-4499K)	
		LT560WH6950*	9.5	65	Daylight (4500-6500K)	
	Lithonia	65BEMW*	12.1	65	Warm White (2000-2399K)	
	A15	EcoSmart	ECS A15 40WE W27 120 G1	4	40	Soft White (2400-2999K)
			A15 6.5W E26 DIM 2700K*	6.5	60	Warm White (2000-2399K)
	A19	Amazon Basic	B01MTO11GI*	6	40	Daylight (4500-6500K)
		Cree	SA19-04627MDFD-12DE26-1-14*	5.5	40	Soft White (2400-2999K)
SA19-04650MDFD-12DE26-1-14*			5.3	40	Soft White (2400-2999K)	
SA19-08127MDFD-12DE26-1-14*			9.5	60	Soft White (2400-2999K)	
SA19-08150MDFD-12DE26-1-14*			8.5	60	Daylight (4500-6500K)	
SA19-11027MDFD-12DE26-1-11*			10.2	75	Daylight (4500-6500K)	
SA19-11050MDFD12DE26-1-11*			10.2	75	Daylight (4500-6500K)	
TA19-04527MDFH25-12DE26-1-12*			5.5	40	Soft White (2400-2999K)	
TA19-04550MDFH25-12DE26-1-12*			5.5	40	Daylight (4500-6500K)	
TA19-08027MDFH25-12DE26-1-12014S-D*			10	60	Soft White (2400-2999K)	
TA19-08050MDFH25-12DE26-1-12*			10	60	Daylight (4500-6500K)	
TA19-11027MDFH25-12DE26-1-11007S-D*			12	75	Soft White (2400-2999K)	
TA19-11050MDFH25-12DE26-1-11*			12	75	Daylight (4500-6500K)	
TA19-11030MDFH25-12DE26-1-11007S-D*			12	75	Soft White (2400-2999K)	
A19-75W-P1-27K-E26-U1*			12	75	Soft White (2400-2999K)	
A19-75W-P1-30K-E26-U1*			12	75	Bright White (3000-3499K)	
A19-75W-P1-50K-E26-U1*			12	75	Daylight (4500-6500K)	
TA19-04530MDFH25-12DE26-1-12014S-D*			5.5	40	Bright White (3000-3499K)	
A19-40W-P1-27K-E26-U1*			5.5	40	Soft White (2400-2999K)	
A19-40W-P1-30K-E26-U1*			5.5	40	Bright White (3000-3499K)	
A19-40W-P1-50K-E26-U1*			5.5	40	Daylight (4500-6500K)	
TA19-08030MDFH25-12DE26-1-12014S-D*			10	60	Bright White (3000-3499K)	
A19-60W-P1-27K-E26-U1*			10	60	Soft White (2400-2999K)	
A19-60W-P1-30K-E26-U1*			10	60	Bright White (3000-3499K)	
A19-60W-P1-40K-E26-U1*			10	60	Cool White (3500-4499K)	
A19-60W-P1-50K-E26-U1*			10	60	Daylight (4500-6500K)	

A19	EcoSmart	B7A19A60WESD14*	9.5	60	Soft White (2400-2999K)
		ECS A19 40WE W27 FIL 120 3PK*	4.5	40	Soft White (2400-2999K)
		A7A19A60WESQD01*	7.5	60	Soft White (2400-2999K)
		B6A19100WESD03	15	100	Bright White (3000-3499K)
		C5A19A75WESD04*	12.5	75	Soft White (2400-2999K)
		A19G 5.5W E26 DIM 2200K	5.5	60	Warm White (2000-2399K)
		A19 6.5 E26 DIM 2700K	6.5	60	Warm White (2000-2399K)
		A6A1960WESD81*	9	60	Warm White (2000-2399K)
		B6A19100WESD01*	15	100	Warm White (2000-2399K)
		A7A19A75WESD09	13	75	Warm White (2000-2399K)
		A8A19A60WESGD03	7.5	60	Warm White (2000-2399K)
		A8A19A60WESD01*	8	60	Warm White (2000-2399K)
		A7A19A75WESD08	13	75	Warm White (2000-2399K)
		B7A19A60WESD11	9.5	60	Soft White (2400-2999K)
		B7A19A60WESD02	9.5	60	Bright White (3000-3499K)
		B7A19A60WESD34	9.5	60	Daylight (4500-6500K)
		A7A19A75WESD07	13	75	Warm White (2000-2399K)
	Satco	S29842*	9.8	60	Cool White (3500-4499K)
		S29804*	11	75	Cool White (3500-4499K)
		S29810*	11	75	Soft White (2400-2999K)
		S29811*	11	75	Bright White (3000-3499K)
		S29812*	11	75	Cool White (3500-4499K)
		S29813*	11	75	Daylight (4500-6500K)
		S29814*	11	75	Soft White (2400-2999K)
		S29815*	15	100	Soft White (2400-2999K)
		S29816*	15	100	Bright White (3000-3499K)
		S29817*	15	100	Cool White (3500-4499K)
		S29818*	15	100	Daylight (4500-6500K)
s29831*	6	40	Bright White (3000-3499K)		
S29830*	6	40	Soft White (2400-2999K)		
S29832*	6	40	Cool White (3500-4499K)		
S29834*	6	40	Daylight (4500-6500K)		
A21	Amazon Basic	B01MXLSK5W*	15	100	Soft White (2400-2999K)
	EcoSmart	A21 11W E26 DIM 2700K*	11	90	Warm White (2000-2399K)
B11	Cree	TB11-01827MDCH15-12DE12-1-12	2.6	25	Soft White (2400-2999K)
		TB11-01850MDCH15-12DE12-1-12	2.6	25	Daylight (4500-6500K)
		TB11-03527MDCH15-12DE12-1-12	4	40	Soft White (2400-2999K)
		TB11-03550MDCH15-12DE12-1-12	4	40	Daylight (4500-6500K)
		TB11-05027MDCH15-12DE12-1-12	5.3	60	Soft White (2400-2999K)
		TB11-05050MDCH15-12DE12-1-12	5.3	60	Daylight (4500-6500K)
		B11-25W-P1-27K-E12-U1	2.6	25	Soft White (2400-2999K)
		B11-25W-P1-50K-E12-U1	2.6	25	Daylight (4500-6500K)
		B11-40W-P1-27K-E12-U1	4	40	Soft White (2400-2999K)
		B11-40W-P1-50K-E12-U1	4	40	Daylight (4500-6500K)
		B11-60W-P1-27K-E12-U1	5.3	60	Soft White (2400-2999K)
	B11-60W-P1-50K-E12-U1	5.3	60	Daylight (4500-6500K)	
	EcoSmart	ECS B11 CA 40WE W27 LP E12 120 3PK	4	40	Soft White (2400-2999K)
		B1160WDLE123P	6	60	Daylight (4500-6500K)
		ECS B1160WE850DIME12FR3PKBL	5.5	60	Warm White (2000-2399K)
ECS B1160WE827DIME12FR3PKBL		5.5	60	Warm White (2000-2399K)	
BR20	EcoSmart	1003020502	12	75	Warm White (2000-2399K)
		1003020802	12	75	Warm White (2000-2399K)
		1003020602	12	75	Warm White (2000-2399K)
BR30	Cree	D-BR30-65WE-2700K*	8.5	65	Soft White (2400-2999K)
		SBR30-06527FLFD-12DE26-1-13	8	65	Soft White (2400-2999K)
		SBR30-06550FLFD-12DE26-1*	7	65	Daylight (4500-6500K)
		SBR30-06550FLFD-12DE26-1-13*	7	65	Daylight (4500-6500K)
	EcoSmart	1003024203	10.5	65	Warm White (2000-2399K)
		1003025902*	12.5	75	Warm White (2000-2399K)
		1003024702*	12.5	75	Warm White (2000-2399K)
		1003024102*	12.5	75	Warm White (2000-2399K)
		1003024802	12.5	75	Warm White (2000-2399K)
		A7BR3065WESD05	8	65	Warm White (2000-2399K)
		1002878652	9	65	Soft White (2400-2999K)
		1002878703*	9	65	Daylight (4500-6500K)
		1003028503	9	65	Soft White (2400-2999K)
1003028602	9	65	Bright White (3000-3499K)		

BR30	EcoSmart	1003028703*	9	65	Daylight (4500-6500K)
		1001655218	9	65	Soft White (2400-2999K)
		1001654525*	9	65	Bright White (3000-3499K)
		1001654247*	9	65	Daylight (4500-6500K)
	GE	LED9DR30/7-5KLT6*	8.5	65	Soft White (2400-2999K)
		LED9DR30/15-LT6*	8.5	65	Daylight (4500-6500K)
		LED9DR30/155KL12*	8.5	65	Daylight (4500-6500K)
		LED9DR30/15-5KL6*	8.5	65	Soft White (2400-2999K)
		LED9DR30/15-LT12	8.5	65	Soft White (2400-2999K)
	Satco	S9620*	9.5	65	Soft White (2400-2999K)
		S9621*	9.5	65	Bright White (3000-3499K)
		S9622*	9.5	65	Cool White (3500-4499K)
S9623*		9.5	65	Daylight (4500-6500K)	
BR40	EcoSmart	1003028802	13	75	Soft White (2400-2999K)
		1003028902	13	75	Bright White (3000-3499K)
		1003029002	13	75	Daylight (4500-6500K)
	Satco	S9640	16.5	85	Cool White (3500-4499K)
		S9639*	16.5	85	Bright White (3000-3499K)
		S9638	16.5	85	Soft White (2400-2999K)
		S9641	16.5	85	Daylight (4500-6500K)
S9615*	16.5	85	Soft White (2400-2999K)		
C35	EcoSmart	CL35G 4.5W E26 L DIM 2200K*	4.5	40	Warm White (2000-2399K)
		C35C 4.5W E12 L DIM*	4.5	60	Warm White (2000-2399K)
		C35C 4.5W E26 L DIM	4.5	60	Warm White (2000-2399K)
		C35C 4.5W E12 DIM	4.5	40	Warm White (2000-2399K)
		C35C 4.5W E26 DIM*	4.5	40	Warm White (2000-2399K)
Downlight	Cree	CR6T-825L-27K-12-E26GU24*	11	75	Soft White (2400-2999K)
		CR6T-825L-30K-12-E26GU24*	11	75	Bright White (3000-3499K)
		CR6T-825L-35K-12-E26GU24*	11	75	Cool White (3500-4499K)
		CR6T-825L-40K-12-E26GU24*	11	75	Cool White (3500-4499K)
		CR4T-790L-27K-12-E26GU24*	10.5	75	Soft White (2400-2999K)
		CR4T-790L-30K-12-E26GU24*	10.5	75	Bright White (3000-3499K)
		CR4T-790L-35K-12-E26GU24*	10.5	75	Cool White (3500-4499K)
		CR4T-790L-40K-12-E26GU24*	10.5	75	Cool White (3500-4499K)
		CR6T-1100L-27K-12-E26GU24*	14.5	100	Soft White (2400-2999K)
		CR6T-1100L-30K-12-E26GU24*	14.5	100	Bright White (3000-3499K)
		CR6T-1100L-35K-12-E26GU24*	14.5	100	Cool White (3500-4499K)
		CR6T-1100L-40K-12-E26GU24*	14.5	100	Cool White (3500-4499K)
		CR6T-1600L-27K-12-E26GU24*	21	150	Soft White (2400-2999K)
		CR6T-1600L-30K-12-E26GU24*	21	150	Bright White (3000-3499K)
		CR6T-1600L-35K-12-E26GU24*	21	150	Cool White (3500-4499K)
		CR6T-1600L-40K-12-E26GU24*	21	150	Cool White (3500-4499K)
		G16.5	EcoSmart	ECS G16.560WE827DIME12FR3PKBL	5.5
G25	EcoSmart	G25 7W L E26 DIM	7	100	Warm White (2000-2399K)
		FG-03147	4	40	Warm White (2000-2399K)
		FG-03146	4	40	Warm White (2000-2399K)
PAR16	EcoSmart	A6GU10M50WESD02	5.3	50	Warm White (2000-2399K)
		A6PR16M50WESD02	5.3	50	Warm White (2000-2399K)
PAR20	EcoSmart	A6PR20P50WESD03*	6.5	50	Daylight (4500-6500K)
		A6PR20P50WESD02*	6.5	50	Warm White (2000-2399K)
	GE	LED7DP20GFL-LT2*	7	50	Bright White (3000-3499K)
		LED7DP20GFL5KLT2	7	50	Daylight (4500-6500K)
		LED7DP20GFLRVL2	7	50	Bright White (3000-3499K)
		LED7DP20GSP-LT2	7	50	Soft White (2400-2999K)
LED7DP20SP3K7LT2	7	50	Bright White (3000-3499K)		
PAR30	EcoSmart	A7PR30S75WESD02*	8	75	Warm White (2000-2399K)
		A6PR30P75WESD03	8	75	Warm White (2000-2399K)
		B7PR38P100ESD12*	13	90	Warm White (2000-2399K)
	GE	LED12DP3LGFLRVL2*	12	75	Soft White (2400-2999K)
		LED12DP30GFLRVL2*	12	75	Soft White (2400-2999K)
		LED10DP3LGFL-LT2	10	75	Bright White (3000-3499K)
		LED10DP30GFL5KL2	10	75	Daylight (4500-6500K)
		LED10DP30GFL-LT2*	10	75	Bright White (3000-3499K)
		LED10DP3LGFL5KL2*	10	75	Daylight (4500-6500K)
		LED11DP3LGSP-LT2	11	75	Bright White (3000-3499K)
LED11DP30GSP-LT2	11	75	Bright White (3000-3499K)		

PAR30	Megaman	LR5210.5DDG-WFL-E26-27K	10.5	75	Soft White (2400-2999K)
		LR5210.5DDG-WFL-E26-40K	10.5	75	Soft White (2400-2999K)
		LR5510.5DDG-WFL-E26-30K	10.5	75	Soft White (2400-2999K)
		LR5510.5DDG-WFL-E26-35K*	10.5	75	Soft White (2400-2999K)
		LR5510.5DDG-WFL-E26-27K	10.5	75	Soft White (2400-2999K)
		LR5210.5DDG-WFL-E26-30K*	10.5	75	Soft White (2400-2999K)
	Satco	LR5210.5DDG-WFL-E26-35K*	10.5	75	Soft White (2400-2999K)
		S9415*	13	50	Soft White (2400-2999K)
		S9416*	13	50	Bright White (3000-3499K)
		S9417*	13	50	Cool White (3500-4499K)
		S9418*	13	50	Cool White (3500-4499K)
PAR38	Amazon Basic	B079VMHM76*	14	90	Bright White (3000-3499K)
		B079VP1G43*	16	120	Bright White (3000-3499K)
	Cree	TPAR38-1503025FH25-12DE26-1-11*	19	120	Bright White (3000-3499K)
		TPAR38-1503040FH25-12DE26-1-11003S-T*	19	120	Bright White (3000-3499K)
		TPAR38-1803040FH25-12DE26-1-11*	19	150	Bright White (3000-3499K)
		TPAR38-1504040FH25-12DE26-1-11003S-T*	19	120	Cool White (3500-4499K)
	EcoSmart	A6PR38P90WESD02	11	90	Warm White (2000-2399K)
		B7PR38P100ESD11	13	90	Warm White (2000-2399K)
		B7PR38P100ESD21*	13	90	Warm White (2000-2399K)
	GE	LED13DP38GFL-LT4	13	90	Bright White (3000-3499K)
		LED15DP38GSP-LT2	15	90	Bright White (3000-3499K)
	Megaman	LR3218D-250H45D-E26-35K*	18	250	Cool White (3500-4499K)
		LR3218D-250H45D-E26-30K*	18	250	Bright White (3000-3499K)
		LR3218D-250H25D-E26-27K*	18	250	Soft White (2400-2999K)
Satco	S9442*	15	90	Cool White (3500-4499K)	
R20	EcoSmart	1003017802	8	50	Daylight (4500-6500K)
		1003028202	7	50	Soft White (2400-2999K)
		1003028402	7	50	Daylight (4500-6500K)
	Satco	S9614*	6.5	50	Soft White (2400-2999K)
		S9630*	6.5	50	Soft White (2400-2999K)
		S9631*	6.5	50	Bright White (3000-3499K)
		S9632*	6.5	50	Cool White (3500-4499K)
S9633*	6.5	50	Daylight (4500-6500K)		
R30	GE	LED10DR30EG9SWL2*	10	65	Soft White (2400-2999K)
		LED10DR30EG9DLL2*	10	65	Daylight (4500-6500K)
		LED10DR30EG9DLL6*	10	65	Daylight (4500-6500K)
		LED10DR30EG9SWL6	10	65	Soft White (2400-2999K)
ST19	EcoSmart	ST19G 5.5W L E26 DIM 2200K*	5.5	60	Warm White (2000-2399K)
		FG-03120	3.2	40	Warm White (2000-2399K)
		FG-03121	3.2	40	Warm White (2000-2399K)

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