

# LED Dimmer/Bulb Compatibility



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 guide was developed to help you understand how to best pair today's LED bulbs with Leviton dimmers by using our new LED Compatibility Selector Tool. This tool is a simple and effective way to help you choose the best dimmer and bulb 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.

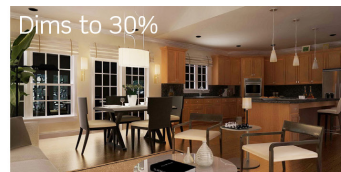
### Testing for Compatibility

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, 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/universal](http://Leviton.com/universal).

### Understanding the Rating System

Our ratings will help you determine which bulbs/fixtures have been tested and approved as compatible with Leviton LED dimmers.



Dims to 30%

Can dim down to 30% or lower. Some minor performance issues may be present. Can use bulb selector switch to trim out flicker\*.



Dims to 20%

No flicker or performance issues dimming down to 20% or lower. Minimal adjustment may be required\*.



Dims to 10%

No flicker or performance issues dimming down to 10% or lower. Minimal adjustment may be required\*.

-	no test data
nc	not compatible

\* Refer to dimmer instruction sheet for directions on how to make adjustments.

**LED Bulb Compatibility Decora Smart™ Dimmers  
DW6HD, DW1KD, DZ6HD, DZ1KD, DH6HD, DH1KD**



Manufacturer	Bulb Type	Model #	Equivalent		Color (K) Temperature	DW6HD	DW1KD	DZ6HD	DZ1KD	DH6HD	DH1KD
			Wattage	Wattage		Performance	Performance	Performance	Performance	Performance	Performance
Cree	A19	SA19-04627MDFD-12DE26-1-14	5.5	40	2700	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 20%	dims to 20%
	A19	SA19-04650MDFD-12DE26-1-14	5.5	40	5000	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 20%	dims to 20%
	A19	SA19-08150MDFD-12DE26-1-14	8.5	60	5000	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%
	A19	SA19-08127MDFD-12DE26-1-14	9.5	60	2700	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%
	BR30	SBR30-06527FLFD-12DE26-1-13	8	65	2700	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%
	BR30	SBR30-06550FLFD-12DE26-1	7	65	5000	dims to 30%	dims to 30%	dims to 30%	dims to 30%	dims to 30%	dims to 30%
	Recessed	SRDL4-0572700FH-12DE26-1-11	8	55	2700	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%
	Recessed	SRDL4-0575000FH-12DE26-1	8	55	5000	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%
	Recessed	SRDL6-0652700FH-12DE26-1-11	10	65	2700	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%
	Recessed	SRDL6-0655000FH-12DE26-1-11	10	65	5000	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%
Ecosmart	A15	ECS A15 40WE W27 120 G1	4	40	2700	nc	nc	dims to 30%	dims to 30%	dims to 30%	dims to 30%
	A19	C5A19A40WESD09	5.6	60	5000	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%
	A19	B7A19A60WESD14	9.5	40	2700	dims to 30%	dims to 30%	dims to 30%	dims to 30%	dims to 30%	dims to 30%
	A19	ECS A19 40WE W27 FIL 120 3PK	4.5	40	2700	dims to 30%	dims to 30%	dims to 30%	dims to 30%	dims to 30%	dims to 30%
	A19	A7A1960WESD02	8.5	60	3000	dims to 30%	dims to 30%	dims to 30%	dims to 30%	dims to 30%	dims to 30%
	A19	A7A19A60WESQD01	7.5	40	2700	dims to 10%	dims to 10%	dims to 20%	dims to 20%	dims to 20%	dims to 20%
	A19	B6A19100WESD03	15	60	3000	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%
	A19	C5A19A75WESD04	12.5	60	2700	nc	nc	dims to 30%	dims to 30%	dims to 30%	dims to 30%
	A19	C5A19A75WESD05	12.5	100	3000	dims to 30%	dims to 30%	dims to 30%	dims to 30%	dims to 30%	dims to 30%
	A19	A7A1960WESGD03	7	75	5000	dims to 10%	dims to 10%	dims to 20%	dims to 20%	dims to 30%	dims to 30%
	B11	ECS B11 CA 40WE W27 LP E12 120 3PK	4	75	2700	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%	dims to 20%
	B11	B1160WDLE123P	6	60	5000	dims to 20%	dims to 20%	dims to 30%	dims to 30%	dims to 20%	dims to 20%
Feit	BR30	BR30DM/10KLED/MP/12	9.5	65	2700	dims to 30%	dims to 30%	dims to 30%	dims to 30%	nc	nc
	R20	R20DM/10KLED/MP/6	7.5	45	2700	dims to 30%	dims to 30%	dims to 20%	dims to 20%	dims to 20%	dims to 20%
Noma	BR30	399-1972-0	11	60	5000	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 20%	dims to 20%
	PAR20	399-0216	7	40	3000	nc	nc	dims to 30%	dims to 30%	nc	nc
	PAR20	399-1791-2	7	40	5000	nc	nc	dims to 30%	dims to 30%	nc	nc
Philips	A15	046677463960	5.5	40	2200-2700	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%
	A19	04667746244	6	40	2200-2700	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%
	A19	046677461324	9	60	5000	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%
	A19	04667746524	9.5	60	2200-2700	dims to 10%	dims to 10%	dims to 20%	dims to 20%	dims to 20%	dims to 20%
	A21	046677459062	14	75	2200-2700	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%
	A21	046677459109	18	100	2200-2700	dims to 30%	dims to 30%	dims to 30%	dims to 30%	dims to 30%	dims to 30%
	BA11	046677469672	4	40	2700	dims to 10%	dims to 10%	dims to 20%	dims to 20%	dims to 10%	dims to 10%
	BR30	046677465995	9	65	2200-2700	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%
	BR30	046677464196	9	65	2700	dims to 30%	dims to 30%	dims to 10%	dims to 10%	dims to 10%	dims to 10%
	BR40	46677465254	10	65	2200-2700	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%	dims to 10%