

LED DIMMERS. TESTED.

How do Zano dimmers perform against other LED dimmers?

These dimmers were tested in the Zano testing lab, under the same conditions, using the same lamps.

Digital LED Dimmer	W/VA	Lamp limit	Programming			Spanning	¹ Dim to 0%	² Auto maximum	³ Program whilst on
			Minimum	Boost	Maximum				
ZANO ZMO150 module	150	NO LIMIT	✓	✓	✓	✓	✓	✓	
V-PRO MJP120 module	120	10	✓	✗	✓	✓	✗	✓	
BELL T0801 Universal trailing edge dimmer	100	10	✓	✗	✗	✓	✗	✗	
CLICK MD9014 module	100	16	✓	✗	✗	✗	✓	✗	
HAMILTON LED-IT B module	100	10	✓	✗	✗	✓	✗	✓	

¹ Some dimmers have a limit to how low the minimum can be set, making it ineffective at stopping low level dimming.

² Some dimmers have the ability to automatically dial back their maximum so that the dimmer can function correctly, this function means these dimmers avoid top level flicker whilst maximising light output.

³ Some dimmers cannot have their settings adjusted whilst on. The dimmer must be disconnected to do this, making it difficult to set the required level as the lights aren't on whilst it is being adjusted. Programming whilst on is important to avoid flicker whilst programming.

How do the dimmers perform with lamp brands?

Digital LED Dimmer	BELL 6W GU10 6.5VA			GE 7W GU10 8.1VA			NEWLEC 4.5W GU10 6.5VA			CROMPTON 5W GU10 5.9VA		
	No. of lamps	Min light	Max light	No. of lamps	Min light	Max light	No. of lamps	Min light	Max light	No. of lamps	Min light	Max light
ZANO ZMO150 module	23	0%	100%	18	0%	99%	23	0%	95%	25	0%	92%
V-PRO MJP120 module	10	10%	100%	10	7%	99%	10	8%	94%	10	2%	92%
BELL 10801 Universal trailing edge dimmer	10	0%	100%	10	0%	90%	10	1%	76%	10	0%	78%
CLICK MD9014 module	15	0%	100%	12	0%	99%	15	0%	83%	16	0%	85%
HAMILTON LED-IT B module	10	4%	100%	10	3%	95%	10	3%	88%	10	1%	92%

NB.

- These figures are 100% accurate at the time they were tested. Manufacturers are constantly changing their lamp designs so results will vary if components have changed.
- The figures in this table are based from the VA readings gained from these specific lamps.
- 'Min light' and 'max light' given as a percentage compared to light output when connected to a standard switch.