

Lightwave Generation 2 lamp compatibility chart








Key









Green = fully compatible no issues





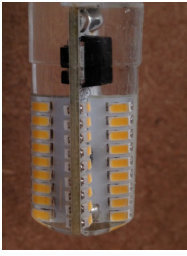



Yellow = compatible with minor complications (see observation notes)









Red = not compatible

Type	Brand	Product code	Lamp image	Packaging image	Watts	Colour temp	Date tested	Manual calibration required?	Min Lamps successfully tested	Max Lamps successfully tested	Lamp Noise?	Observations	Compatible?
DOWNLIGHT	Aurora	AU-MPRO1/30	 Bezel's sold separately		7	3000K	March 2018	No	1	10	No	After calibration the dimmer has not exhibit any flickering/resetting with all 10x LED lamps connected through relays 1 to 10. No resetting/ flickering detected with incrementing number of lamps from 1 to 10, no resetting or flickering detected with 50% light level, no resetting or flickering detected with 100% light level.	Yes
DOWNLIGHT	All LED	AGL060AL/30 with ADRCC350T D/14-35 driver			7	3000K	April 2018	No	1	2	No	Auto calibration on 2x lamps ok, trailing edge setting as default, does not work on leading edge setting. There is visible fast flicker at low dim levels <50%, between 50 ~ 20 % dim there is visible fast flicker which diminishes going above 50% or <20% dimming. Manual calibration does not make any difference to the flicker at low dimming levels.	No
DOWNLIGHT	All LED	AGL06AL/30 with ADRCC350T D/1-14 driver			7	3000K	May 2018	No	1	2	No	Auto calibration on 2x lamps together , these are the same make/model as above, but with a different LED driver. This driver has performed much better and there is no flicker visible on any dimming level from <50% down to 15% (<15% level LED switches off), over all very good performance, with smooth step less dimming and no visible flicker, trailing edge setting as default.	Yes
GU10	All LED	AGU700D/30			7	3000K	April 2018	Yes	1	10	No	Auto calibration with single lamp good. Default trailing edge setting. Excellent lighting quality and dimming and dimming is achieved @1% without any flicker if minimum calibration setting is increased to 10 from 0 & channel2 of L22 is switched off. If channel2 is switched on and load is connected dim level for both channels will be 5% switch off. Dimming is very smooth up/down and no stepping or dead zones. Silent performance throughout the dimming range.	Yes





GU10	All LED	AGU1055D/60			5.5	6000K Daylight white	March 2018	No	1	10	No	No major flickering/resetting detected during auto calibration or during standard test. However there is fast continuous flicker in light discernible at close range.	Yes
GU10	All LED	AGU10007D/27			7	2700K	March 2018	No	1	9	No	Flicker at max brightness on single lamp. Flickering at low dim levels	Yes
GU10	ASDA	LR5GU103K DSSM6PV4			5	3000K	April 2018	No	1	9	No	Single lamp calibration had flickering& reset of dimmer, but it eventually worked and dim levels are ok, at low dim levels flicker is detectable and at <10% flicker is very noticeable with 5 lamps ON and 4 lamps OFF on L22. Max 9 Lamps tested at one time. Not suitable for dimming @ <50%, however this is a dimmable lamp but is behaving like a non dimmable lamp, test aborted after 4 hours.	Yes
GU10	ASDA	LGU5SMS36 D3VS	 		5	3000K	March 2018	Yes	1	9	No	Auto calibration conducted, flicker detected at different dim levels, performed manual calibration, calibration level 65. Flicker detected after manual calibration at various dim levels. However manual calibration will eliminate a lot of flicker at low dim (e.g. < 20%) where major flicker is detected. Tried new trailing edge/leading edge setting, works on trailing edge setting, on leading edge major flicker is detected at 100% light levels Test carried out for 7 hours.	No
GU10	ASDA	YKPAR16C7			4.9	2700K	March 2018	No	1	9	No	Auto calibration good, no flickers detected, trailing edge setting selected, good all round performance, smooth dim levels with no flickering/shimmering detected from 100% to <20% dim levels. LEDs switch off @ <10% dim levels. 5 hour test.	Yes
DOWNLIGHT	Aurora	AU-MPRO1/30	 Bezel's sold separately		7	3000K	March 2018	Yes	1	10	No	During initial first auto calibration the L21 dimmer reset once, after calibration the dimmer has not exhibit any flickering/resetting with all 10x LED lamps connected through relays 1 to 10. No resetting/flickering detected with incrementing number of lamps from 1 to 10, no resetting or flickering detected with 50% light level, no resetting or flickering detected with 100% light level.	Yes

E27	Bell	05146			4	2700K	March 2018	No	1	9	No	Auto calibration ok with single lamp, however with 9x lamps increasing calibration load from single to multiple lamps caused flickering @ <40%, switching back to single load with 9x lamps worked perfect. Did not notice any adverse effects (resetting/flickering) or light quality issues, good smooth step less dimming. Single or multiple load will work fine with single lamp load (Max:40). Trailing edge setting selected. Lamps have a very silent operation no hissing/buzzing which is normally associated with GU10s.	Yes
E14	Bell	Pro LED Clear Candle : 05139			4	2700K	March 2018	No	1	5	No	3X Bell lighting LED dimmable lamp. This lamp was tested on 15/3/2018 and failed initial calibration and manual calibration. Re-tested with new App f/w and has operated very well. 3x Lamps with single lamp load setting selected (Max: 40). Trailing edge setting selected. No flicker/resetting smooth step-less dim levels.	Yes
GU10	Diall	1102022016			8	4000K	March 2018	No	1	9	No	Auto calibration ok, 6 bulb load selected for manual calibration. Trailing edge setting selected. Good step less dim levels.	Yes
GU10	Diall	110202200,			8	2700K	March 2018	No	1	9	No	No flickering/resetting detected, good dim levels. Good performance all round.	Yes
GU10	Diall	1102022014			8	4000K	March 2018	No	1	9	No	No flickering/resetting detected, good dim levels. Good performance all round.	Yes
GU10	Diall	1102021200			8	2700K Warm white	March 2018	No	1	9	No	No flickering/resetting detected, good dim levels. Good performance all round.	Yes

GU10	Energizer	S8826			5.7	3000K	June 2018	No	1	10	No	10x lamps, Calibration good for single lamp, no flicker detected, no resetting/flicker on 10x load, maximum calibration lamp load selected for 10 lamps. Good step less dimming. @<12% dimming on channel 2 with 5 lamp load & 5 lamp load on channel 1, if channel 1 is switched off there is flicker detected on channel 2 for a short period, this is visible for a few seconds and flicker disappears and does not return. These lamps do not work on leading edge setting and cause massive flickering and noise if leading edge is selected. All tests in trailing edge setting. Overall good quality light and dimming.	Yes
GU10	Enlite	EN-DGU005/30			5	3000K	March 2018	No	1	9	Yes at low dim	Auto calibration on single lamp good, no flickering detected. There is a slight noise from the LEDs at low dim levels, at 100% there is no noise. Smooth step-less dim down to 20%, <20% switches off the LEDs. There is a little flicker when switching lamps off, overall good performance.	Yes
GU10	Enlite	EN-DGU005/40			5	4000K	March 2018	No	1	10	No	While using dimmer buttons for manual dimming, the dim level drops from 100% to 0% sharply. Tends to dim better with app. However this dim behaviour is only noted once or twice. Over all stable operation with good light performance compared to ALL LED brand.	Yes
G9	Knightsbridge	G9LED6			4	2700K	June 2018	No	2	4	No	**THIS LAMP REQUIRES A DUMMY LOAD** . RESLOAD **see additional notes** dummy load is connected in parallel with LED lamp live & neutral. Single lamp auto calibration ok. Trailing edge setting selected for test. Average light quality, <50% DIM levels dim steps are visible, there is slight fast flicker @<50% dim levels, Leading edge setting makes no difference. Lamp cannot be operated without 10W dummy load and will remain ON even with the dimmer OFF, 4x lamps tested with no dummy load and they all remain ON with dimmer(L22) OFF.	Yes
GU10	Kosnic	KTC4.5DIM/GU10-S65			4.5	6500K	April 2018	Yes	1	10	No	Calibration for single lamp good, however @ very low dims ~<40%, there is no flicker but lamp switches ON/OFF intermittently. Hence dimmer limits value should be (min:10 to max:40) for single lamp load. With increased lamp loads there is no such issue. Lamp performance is very good, very good quality dimming with no flicker/shimmering effect noticed from max to low dim, most stable lighting out of all GU10s tested. Trailing edge setting selected as default, the lamp also worked fine in leading edge setting as well, did not notice any adverse or better result hence trailing edge should be selected as default.	Yes

DOWNLIGHT	KSR LIGHTING	KSRFRD350			10	3000K	April 2018	No	1	TBC	No	Single lamp test, no flickering/resetting. Very smooth dimming even @ <20% with no flicker. Trailing edge setting selected.	Yes
DOWNLIGHT	LAP	4469X			4	3000K	April 2018	Yes	1	10	No	Auto calibration ok for single lamp, default trailing edge setting selected, light quality is standard there is no visible flicker @100% dim, down to <15%. After 15% there is slight visible very fast flicker/shimmering. Manual calibration for minimum setting can be adjusted, I have adjusted min:20 max:85 for 10x lamps, there is still some flicker between 14% to 7% dim level. Dimming is not step less, steps are visible, dimming up and down and with some dead zones. I have tried leading edge setting and this works well @ 100% lighting anything less than 50% dimming and massive flicker is visible with dimmer resetting looping with leading edge setting.	Yes
B22	LAP	61B60aQ25D W			9	2700K	March 2018	No	1	TBC	No	1x lamp test, 4 hour test on primary and secondary dimmer channel. Auto calibration reading: 84.45. Fast switch on, fast & smooth dim levels, similar performance as halogen lamps, no zero-cross flicker, no LED manufacturer side flicker. LED lamp base (metal fixing parts & case) does get hot, LW dimmer does not get hot.	Yes
E27	LAP	61A60aQ25D W			9	2700K	March 2018	No	1	5	No	5X lamp test, 4 hour test. Auto calibration reading: 84.45. Fast switch on, fast & smooth dim levels, similar performance as halogen lamps, no zero-cross flicker, no LED manufacturer side flicker. LED lamp base (metal fixing parts & case) does get hot, LW dimmer does not get hot.	Yes
DOWNLIGHT	Ludeco	EFT60W30-0 1			6	3000K	April 2018	No	1	5	No	Auto calibration ok, 5x lamp test on single channel L22 dimmer, trailing edge setting selected as default, good step less dimming, no flicker @20% dimming, lamps will switch off @<20% dimming.	Yes

GU10	Megman	LR5907dhr-7 5H35D			7	2800k	April 2018	No	1	9	No	Auto calibration good with single LED lamp, good performance with no flicker detected. Good smooth step-less dim levels. Good performance all round.	Yes
GU10	Osram	PARATHAM DIM (4052899958 012)			7.2	3000K	April 2018	No	1	10	No	Calibration good, 10x lamps on single channel (L22). Very smooth step less dimming, no flicker at low dims. Trailing edge setting as default. Very good performance.	Yes
GU10	Phillips	9290012164			4.3	2700K	March 2018	No	1	9	No	PHILIPS master brand. 4.3 Watts. Auto calibration: 85 max. Good performance all round, good dim levels down to <5% with very little steps detected. Zero shimmering detected at any dim levels. Trailing edge setting selected, major flicker on leading edge setting.	Yes
GU10	Pro-Elec	PEL00208			7	3000K	April 2018	No	1	10	Yes	Single lamp calibration good, 10x maximum lamp load selected, Trailing edge setting selected, very good light quality no flickering detected at all from 100% light down to <20% dim levels, @<20% dim lamp will switch off. Lamp heat generation is normal, there is slight noise generated by LED lamps @ higher light levels @ 20% noise is reduced, over all very good performance with step less dim from >50%, <50% step dimming is slightly visible.	Yes
DOWNLIGHT	Robus	RRA083060- 01			8.5	3000K	April 2018	No	1	TBC	No	1x lamp tested, initially there was some flicker, but maybe due to IOS app not able to send single lamp calibration to dimmer, after a number of attempts, lamp worked perfect on single lamp load. Did notice flicker at low dim < 15%, however this did not occur after calibration. Overall good performance and >50% of dim is quite smooth and step-less, <50% dim there is step dimming visible. Trailing edge setting selected.	Yes

GU10	V-Tac	VT-2886D 1668			7	6400K	April 2018	No	1	10	No	Auto calibration with no flicker/resetting. Good quality lighting, with no flicker/shimmering detected down to <10% dimming. Smooth step less dimming.	Yes
B22/BC	WOLBU	FLA7B22CO D27			7	2700K	March 2018	No	1	TBC	No	Filament GLS LED, glass bulb. 7 hour test with 1x BCC & 1x E27 of same make on same L22 dimmer. Auto calibration max: 69.54. Good performance, no zero cross flicker detected after auto calibration, good fast/smooth dim levels.	Yes
E27/ES	WOLBU	LFLA7E27CO D27HA			7	2700K	March 2018	No	1	TBC	No	Filament GLS LED, glass bulb. 7 hour test with 1x BCC & 1x E27 of same make on same L22 dimmer. Auto calibration max: 69.54. Good performance, no zero cross flicker detected after auto calibration, good fast/smooth dim levels.	Yes