



Dimmer compatibility test

Project Name: Fluke series

Report No.:20210910-2

Product/Part number: 3422116,3422111

Date:Sep-10th-2021

Comment/Result: TBD

Inspector:Tuan

No.	Brand	Item No.	Mode①	Mode②	DUT-1-3422116			DUT-2-3422111		
					12W/230V/50Hz			12W/230V/50Hz		
					Max	Min	Description	Max	Min	Description
			Fluocompact*	Progressive switch-off	12.71W	4.46W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.61W	4.46W	Stable dimming performance but the light is still on in the Min position;No visible flicker
				Night light	12.65W	4.53W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.53W	4.48W	Stable dimming performance but the light is still on in the Min position;No visible flicker
				100%	12.67W	4.47W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.75W	4.5W	Stable dimming performance but the light is still on in the Min position;No visible flicker
				No function	12.69W	4.4W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.58W	4.48W	Stable dimming performance but the light is still on in the Min position;No visible flicker
			Capacitive	Progressive switch-off	12.78W	1.81W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.5W	1.86W	Stable dimming performance but the light is still on in the Min position;No visible flicker
				Night light	12.58W	1.86W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.59W	1.94W	Stable dimming performance but the light is still on in the Min position;No visible flicker

hager	EVN012	loads(CFL)	100%	12.4W	1.82W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.61W	1.93W	Stable dimming performance but the light is still on in the Min position;No visible flicker
			No function	12.59W	1.8W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.56W	1.83W	Stable dimming performance but the light is still on in the Min position;No visible flicker
		Inductive loads	Progressive switch-off	12.79W	1.89W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.77W	1.84W	Stable dimming performance but the light is still on in the Min position;No visible flicker
			Night light	12.76W	1.86W	Stable dimming performance but the light is still on in the Min position;No visible flicker	13.04W	1.89W	Stable dimming performance but the light is still on in the Min position;No visible flicker
			100%	12.76W	1.88W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.7W	1.89W	Stable dimming performance but the light is still on in the Min position;No visible flicker
			No function	12.89W	1.88W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.81W	1.85W	Stable dimming performance but the light is still on in the Min position;No visible flicker
		LED load	Progressive switch-off	12.93W	3.04W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.92W	3.02W	Stable dimming performance but the light is still on in the Min position;No visible flicker
			Night light	12.94W	3.02W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.92W	3W	Stable dimming performance but the light is still on in the Min position;No visible flicker
			100%	12.99W	3.05W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.88W	3.01W	Stable dimming performance but the light is still on in the Min position;No visible flicker
			No function	12.88W	3.1W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.85W	3.03W	Stable dimming performance but the light is still on in the Min position;No visible flicker

1			Load traching(CF L+LED)	Progressive switch-off	12.54W	3W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.46W	3.02W	Stable dimming performance but the light is still on in the Min position;No visible flicker
				Night light	12.52W	3.03W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.45W	3.05W	Stable dimming performance but the light is still on in the Min position;No visible flicker
				100%	12.48W	3.03W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.48W	3.09W	Stable dimming performance but the light is still on in the Min position;No visible flicker
				No function	12.71W	3.08W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.68W	3.08W	Stable dimming performance but the light is still on in the Min position;No visible flicker
			Factory reset	Progressive switch-off	12.56W	1.86W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.45W	1.84W	Stable dimming performance but the light is still on in the Min position;No visible flicker
				Night light	12.63W	1.82W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.51W	1.81W	Stable dimming performance but the light is still on in the Min position;No visible flicker
				100%	12.64W	1.87W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.25W	1.86W	Stable dimming performance but the light is still on in the Min position;No visible flicker
				No function	12.55W	1.86W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.58W	1.82W	Stable dimming performance but the light is still on in the Min position;No visible flicker
2	hager	EVN011			12.91W	1.81W	Stable dimming performance but the light is still on in the Min position;No visible flicker	12.63W	1.82W	Stable dimming performance but the light is still on in the Min position;No visible flicker
3	eltako	EUD12NPN-UC	EC1				Incompatibility			Incompatibility
			EC2				Incompatibility			Incompatibility
			LC1				Incompatibility			Incompatibility
			LC2				Incompatibility			Incompatibility

			LC3				Incompatibility			Incompatibility
4	eltako	EUD12D-UC	EUD		12.48W		Can be turned on but Non-dimmable.No visible flicker.	12.41W		Can be turned on but Non-dimmable.No visible flicker.
			RTD				Incompatibility			Incompatibility
			ESV		12.09W		Can be turned on but Non-dimmable ;The timer switch functions is working normally;No visible flicker	12.04W		Can be turned on but Non-dimmable ;The timer switch functions is working normally;No visible flicker
			TLZ		12.57W		Can be turned on but Non-dimmable ;The timer switch functions is working normally;No visible flicker.	12.49W		Can be turned on but Non-dimmable ;The timer switch functions is working normally;No visible flicker.
			MIN		12.64W		Can be turned on&off but Non-dimmable.No visible flicker.	12.84W		Can be turned on&off but Non-dimmable.No visible flicker.
			MMX		12.75W		Can be turned on&off but Non-dimmable.No visible flicker.	12.72W		Can be turned on&off but Non-dimmable.No visible flicker.
			TI				Incompatibility			Incompatibility
			ER				Incompatibility			Incompatibility
			ON		12.63W		Function is available	12.86W		Function is available
			OFF				Function is available			Function is available
5	schneider	CCTDD20016	1		12.46W	0.27W	Incompatibility	12.38W	0.23W	Incompatibility
			2		12.57W	0.18W	Stable dimming performance but the light is still on dimming light in the Min position; No visible flicker.	12.78W	0.13W	Stable dimming performance but the light is still on dimming light in the Min position; No visible flicker.
			3 Prog		12.26W	0.33W	Stable dimming performance but the light is still on dimming light in the Min position; No visible flicker.	12.23W	0.29W	Stable dimming performance but the light is still on dimming light in the Min position; No visible flicker.
			4 LED2		13.1W	1.77W	Stable dimming performance and it can be turned off;No visible flicker	12.53W	1.75W	Stable dimming performance and it can be turned off;No visible flicker

6	Legrandoc	002671	5 Prog		13.31W	0.08W	Stable dimming performance and it can be turned off;No visible flicker	13.29W	0.07W	Stable dimming performance and it can be turned off;No visible flicker
			6 Strd		12.46W		Can be turned on but Non-dimmable.No visible flicker.	12.42W		Can be turned on but Non-dimmable.No visible flicker.
			7 ON		12.46W		Can be turned on but Non-dimmable.	12.43W		Can be turned on but Non-dimmable.
			White	Green	12.68W	2.32W	Stable dimming performance but the light is still on dimming light in the Min position; No visible flicker.	12.63W	2.33W	Stable dimming performance but the light is still on dimming light in the Min position; No visible flicker.
				Orange	12.49W		Can be turned on&off but Non-dimmable.	12.57W		Can be turned on&off but Non-dimmable.
				White	12.6W	2.32W	Stable dimming performance but the light is still on dimming light in the Min position; No visible flicker.	12.51W	2.26W	Stable dimming performance but the light is still on dimming light in the Min position; No visible flicker.
				Blue	12.55W		Can be turned on&off but Non-dimmable.	12.45W		Can be turned on&off but Non-dimmable.
				Red	12.52W	5.43W	The lamp can be dimmed in the Min position,Not Max position;	12.4W	5.39W	The lamp can be dimmed in the Min position,Not Max position;
				Red						
				Green						
				Orange						
				Blue						
			1		12.63W	1.65W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.53W	1.65W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			2				Incompatibility			Incompatibility
			CFLI1		12.44W	2.54W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.5W	2.49W	Stable dimming performance but the light is still on in the Min position; No visible flicker.

7	NIKO	310-00700	CFLI2		13.07W	2.83W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	13.05W	2.8W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			LED1		12.83W	1.04W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.53W	0.23W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			LED2		12.82W	0.32W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.63W	0.45W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			LED3		13.01W	0.24W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.68W	0.25W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			LED4		12.89W	0.29W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.7W	0.33W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
8	NIKO	310-04900			12.44W	1.64W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.63W	1.75W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
9	NIKO	310-02800			12.69W	0.67W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.72W	0.69W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			DEFAULT 1		13.39W	1.95W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	13.38W	1.73W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			HALO LED2		13.43W	1.98W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	13.3W	1.81W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			Transformer LED3		13.36W	0.79W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	13.4W	0.76W	Stable dimming performance but the light is still on in the Min position; No visible flicker.

10	NIKO	310-02900	LED4		12.22W	0.38W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.24W	0.63W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			Transformer LED5		12.74W	1.4W	Stable dimming performance but the light is still on in the Min position; This is visible flicker.	12.64W	1.25W	Stable dimming performance but the light is still on in the Min position; This is visible flicker.
			LED6		13.32W	0.31W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	13.32W	0.32W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			LED7		12.72W	0.4W	Incompatibility	12.64W	0.36W	Incompatibility
			LED8		13.4W	0.36W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	13.26W	0.42W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
11	NIKO	310-01900	LED1		12.73W	1.64W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.62W	1.63W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			LED2				Incompatibility			Incompatibility
			LED3 *		12.58W	2.56W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.68W	2.5W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			LED4*		13.22W	2.8W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	13.1W	2.85W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			LED5		12.68W	0.23W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.55W	0.23W	Stable dimming performance but the light is still on in the Min position; No visible flicker.

			LED6		12.75W	0.32W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.71W	0.32W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			LED7*		12.63W	0.23W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.6W	0.25W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			LED8*		12.72W	0.35W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.66W	0.33W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
12	bticino	N4411N	Preset levels mode		11.07W	4.87W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	10.99W	4.93W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			Preset levels mode+night mode		10.09W	5.09W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	11.02W	5W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			Dimming mode		12.7W	1.55W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.67W	1.57W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
13	bticino	N4408N			13.34W	4.54W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	13.29W	4.49W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
	Ni	310-C	LED1		13.3W	1.99W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	13.27W	2W	Stable dimming performance but the light is still on in the Min position; No visible flicker.
			HALO LED2				Incompatibility			Incompatibility
			Transformer LED3*		1.68W	0.44W	Incompatibility	1.63W	0.45W	Incompatibility
			LED4		12.19W	0.51W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.1W	0.47W	Stable dimming performance but the light is still on in the Min position; No visible flicker.

14	KO	J3900	Transformer LED5			Incompatibility			Incompatibility
			LED6		13.31W 0.4W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	13.28W 0.44W		Stable dimming performance but the light is still on in the Min position; No visible flicker.
			LED7*			Incompatibility			Incompatibility
			LED8*		13.38W 0.47W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	13.13W 0.43W		Stable dimming performance but the light is still on in the Min position; No visible flicker.
15	eltako	EUD61NPL-230V	P-AB		12.72W 1.26W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.76W 1.28W		Stable dimming performance but the light is still on in the Min position; No visible flicker.
			P-AN		13.57W 1.42W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	13.56W 1.48W		Stable dimming performance but the light is still on in the Min position; No visible flicker.
16	eltako	EUD61NP-230V			0.55W 0.55W	Incompatibility	0.5W 0.5W		Incompatibility
17	eltako	EUD61NPN-230V	AUTO		12.54W 1.06W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.51W 1.03W		Stable dimming performance but the light is still on in the Min position; No visible flicker.
			LC1		13.29W 1.24W	Same as above	13.26W 1.21W		Same as above
			LC2		13.34W 1.28W	Same as above	13.28W 1.26W		Same as above
			LC3		13.29W 1.25W	Same as above	13.25W 1.3W		Same as above

18	eltako	EUD61NPN-UC	EC1		12.56W	2.65W	Same as above	12.54W	2.61W	Same as above
			EC2		12.54W	2.71W	Same as above	12.61W	2.68W	Same as above
			AUTO		12.73W	1.07W	Stable dimming performance but the light is still on in the Min position; No visible flicker.	12.59W	1.04W	Same as above
			LC1		13.14W	1.81W	Same as above	12.91W	1.19W	Same as above
			LC2		13.14W	1.22W	Same as above	13.16W	1.2W	Same as above
			LC3		13.24W	1.24W	Same as above	13.19W	1.22W	Same as above
			EC1		12.77W	2.63W	Same as above	12.56W	2.6W	Same as above
			EC2		12.55W	2.63W	Same as above	12.55W	2.66W	Same as above

Test result: 3422116 and 3422111 are use the same LED module and driver, there is no significant diference in the matching results between DUT(1&2) and the same dimmer; The ones with better dimming compatiblity are No.1/2/ 5 (Mode 2; 3Prog;4LED2, 5Prog)/No.6(White Mode: Green, White)/NO.7 (Mode 1, CFL1, CFL2, LED2 ,LED3, LED4 Mode) /No.8/9//10(DEFAULT 1, HALO LED2, Transformer LED3, LED4 LED6, LED8Mode)/No.11(LED1, LED3*, LED4*, LED5, LED6, LED7*, LED8*Mode)/No.12/13/14(LED1,LED4, LED6, LED8*,Mode),/No.15/17/18.

No.3422116



No.3422111

