



# Dimmer compatibility test

Project Name: Fluke series

Report No.:20210910-1

Product/Part number: 3422106,3422101

Date:Sep-10th-2021

Comment/Result: TBD

Inspector:Tuan

	Brand	Item No.	Mode①	Mode②	DUT-1-3422106			DUT-2-3422101		
					12W/230V/50Hz			12W/230V/50Hz		
					Max	Min	Description	Max	Min	Description
			Fluocompa ct*	Progressive switch-off	12.28 W	4.53 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.32 W	4.55 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.
		Night light		12.29 W	4.5W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.28 W	4.48 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	
		100%		12.52 W	4.4W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.48 W	4.53 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	
		No function		12.61 W	4.41 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.63 W	4.43 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	
				Progressive switch-off	12.39 W	1.85 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.32 W	1.83 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.

hager	EVN012	Capacitive loads(CFL)	Night light	12.54 W	1.86 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.58 W	1.8W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.
			100%	12.65 W	1.84 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.6 W	1.83 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.
			No function	12.45 W	1.83 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.53 W	1.83 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.
		Inductive loads	Progressive switch-off	12.65 W	1.87 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.68 W	1.92 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.
			Night light	12.71 W	1.89 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.73 W	1.96 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.
			100%	12.7 W	1.92 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.68 W	1.92 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.
			No function	12.67 W	1.9W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.75 W	1.95 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.
		LED load	Progressive switch-off	12.76 W	3.06 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.78 W	3.12 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.
			Night light	12.76 W	3.12 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.81 W	3.08 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.
			100%	12.74 W	3.06 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.72 W	3.1W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.

1			Load tracking(C FL+LED)	No function	12.74 W	3.04 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.83 W	3.12 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.			
				Progressive switch-off	12.43 W	3.13 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.46 W	3.18 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.			
				Night light	12.36 W	3.08 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.42 W	3.12 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.			
				100%	12.46 W	2.96 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.48 W	3.08 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.			
				No function	12.40 W	3.08 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.37 W	3W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.			
			Factory reset	Progressive switch-off	12.49 W	1.84 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.45 W	1.79 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.			
				Night light	12.49 W	1.8W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.52 W	1.84 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.			
				100%	12.41 W	1.81 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.48 W	1.92 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.			
				No function	12.44 W	1.83 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.44 W	1.88 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.			
			2	hager	EVN011			12.6 W	1.83 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	12.54 W	1.78 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.
					E	EC1				Incompatibility			Incompatibility

3	eltako	EUD12NPN-UC	EC2			Incompatibility			Incompatibility
			LC1			Incompatibility			Incompatibility
			LC2			Incompatibility			Incompatibility
			LC3			Incompatibility			Incompatibility
4	eltako	EUD12D-UC	EUD		12.27W	Can be turned on but <b>Non-dimmable</b> ;No visible flicker.	12.2W		Can be turned on but <b>Non-dimmable</b> ;No visible flicker.
			RTD			Incompatibility			Incompatibility
			ESV		11.82W	Can be turned on but <b>Non-dimmable</b> ;The timer switch functions is working normally;No visible flicker.	11.95W		Can be turned on but <b>Non-dimmable</b> ;The timer switch functions is working normally;No visible flicker
			TLZ		12.5W	Can be turned on but <b>Non-dimmable</b> ;The timer switch functions is working normally;No visible flicker.	12.38W		Can be turned on but <b>Non-dimmable</b> ;The timer switch functions is working normally;No visible flicker
			MIN		12.64W	Can be turned on but <b>Non-dimmable</b> ;No visible flicker.	12.58W		Can be turned on but <b>Non-dimmable</b> ;No visible flicker.
			MMX		12.46W	Can be turned on but <b>Non-dimmable</b> ;No visible flicker.	12.52W		Can be turned on but <b>Non-dimmable</b> ;No visible flicker.
			TI			Incompatibility			Incompatibility
			ER			Incompatibility			Incompatibility
			ON		12.52W	Function is available	12.48W		Function is available
			OFF			Function is available			Function is available
			1		11.91W 0.27W	Unstable dimming performance,it's still dimly lit in the min position.No visible flicker	11.99W 0.28W	Unstable dimming performance,it's still dimly lit in the min position.No visible flicker	

5	schneider	CCTDD20016	2		12.19 W	0.3W	Stable dimming performance but the light is <b>still on and dimming light</b> in the Min position; No visible flicker.	12.28 W	0.28 W	Stable dimming performance but the light is <b>still on and dimming light</b> in the Min position; No visible flicker.
			3 Prog		11.89 W	0.27 W	Stable dimming performance but the light is <b>still on and dimming light</b> in the Min position; No visible flicker.	12.07 W	0.3W	Stable dimming performance but the light is <b>still on and dimming light</b> in the Min position; No visible flicker.
			4 LED2		12.31 W	1.78 W	Stable dimming performance and it can be turned off;No visible flicker	12.45 W	1.74 W	Stable dimming performance and it can be turned off;No visible flicker
			5 Prog		12.88 W	0.08 W	Stable dimming performance and it can be turned off;No visible flicker	13W	0.08 W	Stable dimming performance and it can be turned off;No visible flicker
			6 Strd		12.36 W		can be turned on&off but Non-dimmable	12.32 W		can be turned on&off but Non-dimmable
			7 ON		12.33 W		can be turned on&off but Non-dimmable	12.4 W		can be turned on&off but Non-dimmable
			6	Legrandoc	002671	White	Green	12.47 W	2.35 W	Stable dimming performance and the light is still on in the Min position;No visible flicker
Orange	12.28 W						can be turned on&off but Non-dimmable	12.48 W		can be turned on&off but Non-dimmable
White	13.15 W	2.42 W					Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.	13.24 W	2.38 W	Stable dimming performance but the light is <b>still on</b> in the Min position; No visible flicker.
Blue	12.43 W						can be turned on&off but Non-dimmable	12.38 W		can be turned on&off but Non-dimmable

				Red	13.13 W	5.74 W	The lamp can be dimmed in the Min position,Not Max position;	12.93 W	5.73W	The lamp can be dimmed in the Min position,Not Max position;
				Red						
				Green						
				Orange						
				Blue						
7	NIKO	310-00700	1		12.45 W	2.78 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.3 W	1.67 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			2				Incompatibility			Incompatibility
			CFLI1		12.55 W	2.55 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.35 W	2.56 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			CFLI2		13.11 W	2.81 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	2.1W	0.08 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			LED1		12.6 W	0.23 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.35 W	0.24 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			LED2		12.57 W	0.44 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.48 W	0.35 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			LED3		12.52 W	0.28 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.48 W	0.26 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker

			LED4		12.65 W	0.35 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.59 W	0.35 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
8	NIKO	310-04900			12.62 W	1.79 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.5 W	1.79 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
9	NIKO	310-02800			12.56 W	0.72 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.57 W	0.7W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
10	NIKO	310-02900	DEFAULT 1		13.13 W	1.77 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	13.23 W	1.74 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			HALO LED2		13.23 W	1.84 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	13.22 W	1.8W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			Transformer LED3		13.15 W	0.79 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	13.18 W	0.85 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			LED4		12.11 W	0.43 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.18 W	0.42 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			Transformer LED5		12.55 W	0.75 W	Stable dimming performance but the light is <b>still on</b> in the Min position; <b>This is visible flicker.</b>	12.42 W	0.83 W	Stable dimming performance but the light is <b>still on</b> in the Min position; <b>This is visible flicker.</b>
			LED6		13.17 W	0.42 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	13.21 W	0.38 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker

			LED7		12.51 W		Incompatibility	12.64 W		Incompatibility
			LED8		13.19 W	0.37 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	13.29 W	0.44 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
11	NIKO	310-01900	LED1		12.51 W	1.68 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.5 W	1.64 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			LED2				Incompatibility			Incompatibility
			LED3 *		12.66 W	2.55 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.41 W	2.56 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			LED4*		13W	2.69 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	13.02 W	2.74 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			LED5		12.51 W	0.23 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.38 W	0.25 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			LED6		12.48 W	0.32 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.5 W	0.29 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			LED7*		12.68 W	0.2W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.48 W	0.24 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			LED8*		12.62 W	0.3W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.48 W	0.29 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker

12	bticino	N4411N	Preset levels mode		10.68 W	4.87 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	10.76 W	4.89 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			Preset levels mode+night		10.79 W	4.85 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	10.81 W	4.88 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			Dimming mode		12.53 W	1.46 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.55 W	1.52 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
13	bticino	N4408N			13.09 W	4.31 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	13.01 W	4.39 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
14	NIKO	310-03900	LED1		13.1 W	1.95 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	13.12 W	2.08 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			HALO LED2				Incompatibility			Incompatibility
			Transformer LED3*		1.71 W	0.52 W	Incompatibility	1.6W	0.45 W	Incompatibility
			LED4		11.75 W	0.53 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12W	0.48 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			Transformer LED5				Incompatibility			Incompatibility
			LED6		12.98 W	0.38 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.95 W	0.38 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			LED7*				Incompatibility			Incompatibility

			LED8*		13.02 W	0.38 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	13W	0.43 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
15	eltako	EUD61NPL-230V	P-AB		12.39 W	1.27 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.43 W	1.24 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			P-AN		13.05 W	1.39 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.98 W	1.3W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
16	eltako	EUD61NP-230V					Incompatibility			Incompatibility
17	eltako	EUD61NPN-230V	AUTO		12.38 W	1.06 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.19 W	1.06 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker
			LC1		13W	1.16 W	Same as above	13.04 W	1.15 W	Same as above
			LC2		13.02 W	1.18 W	Same as above	13.07 W	1.18 W	Same as above
			LC3		13.09 W	1.18 W	Same as above	13.12 W	1.22 W	Same as above
			EC1		12.34 W	2.69 W	Same as above	12.48 .W	2.58 W	Same as above
			EC2		12,36 W	2.32 W	Same as above	12.28 W	2.49 W	Same as above
			AUTO		12.3 W	0.98 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker	12.3 W	1.01 W	Stable dimming performance but the light <b>sitll on</b> in the Min position;No visible flicker

18	elako	EUD61NPN-UC	LC1		12.88 W	1.15 W	Same as above	12.9 W	1.18 W	Same as above
			LC2		12.9 W	1.14 W	Same as above	12.92 W	1.17 W	Same as above
			LC3		12.89 W	1.16 W	Same as above	12.9 W	1.18 W	Same as above
			EC1		12.3 W	2.59 W	Same as above	12.23 W	2.59 W	Same as above
			EC2		12.33 W	2.55 W	Same as above	12.3 W	2.59 W	Same as above

Test result: 3422106 and 3422101 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.3422106





No.3422101

