

# Dimmer compatibility test

Project Name: Fluke series

Report No.:20210910-2

Product/Part number: 3422107,3422102

Date:Sep-10th-2021

Comment/Result: TBD

Inspector:Tuan

No.	Brand	Item No.	Mode①	Mode②	DUT-1-3422107			DUT-2-3422102		
					12W/230V/50Hz			12W/230V/50Hz		
					Max	Min	Description	Max	Min	Description
			Fluocompa ct*	Progressiv e switch- off	18.07W	5.39W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.63W	5.39W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
				Night light	18W	5.28W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.48W	5.37W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
				100%	17.94W	5.34W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.47W	5.43W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
				No function	18W	5.36W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.54W	5.38W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
				Progressiv e switch- off	18.12W	2.17W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.57W	2.26W	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	18.06W	2.2W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.56W	2.21W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			100%	18.08W	2.25W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.54W	2.21W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			No function	18W	2.19W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.49W	2.25W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
		Inductive loads	Progressive switch-off	18.22W	2.32W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.82W	2.28W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			Night light	18.26W	2.32W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.78W	2.27W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			100%	18.24W	2.36W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.76W	2.31W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			No function	18.22W	2.33W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.77W	2.27W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
		LED load	Progressive switch-off	18.3W	3.7W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.74W	3.65W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			Night light	18.31W	3.58W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.71W	3.69W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			100%	18.31W	3.65W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.83W	3.73W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.

1				No function	18.28W	3.7W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.76W	3.72W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			Load tracking(CFL+LED)	Progressive switch-off	18.04W	3.65W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.55W	3.75W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
				Night light	17.98W	3.64W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.4W	3.68W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
				100%	18.12W	3.65W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.59W	3.62W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
				No function	18.03W	3.68W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.61W	3.65W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			Factory reset	Progressive switch-off	18W	2.09W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.67W	2.22W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
				Night light	18.11W	2.2W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.71W	2.22W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
				100%	18.04W	2.22W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.63W	2.24W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
				No function	18.02W	2.18W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.63W	2.21W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
2	hager	EVN011			18.07W	2.16W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.68W	2.2W	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		17.85W		Can be turned on&off but Non-dimmable.No visible flicker.	18.5W		Can be turned on&off but Non-dimmable.No visible flicker.
			RTD				Incompatibility			Incompatibility
			ESV		18.01W		Can be turned on but <b>Non-dimmable</b> ;The timer switch functions is working normally;No visible flicker.	18.63W		Can be turned on but <b>Non-dimmable</b> ;The timer switch functions is working normally;No visible flicker.
			TLZ		18.09W		Can be turned on but <b>Non-dimmable</b> ;The timer switch functions is working normally;No visible flicker.	18.65W		Can be turned on but <b>Non-dimmable</b> ;The timer switch functions is working normally;No visible flicker.
			MIN		18.2W		Can be turned on&off but Non-dimmable.No visible flicker.	18.8W		Can be turned on&off but Non-dimmable.No visible flicker.
			MMX		18.08W		Can be turned on&off but Non-dimmable.No visible flicker.	18.67W		Can be turned on&off but Non-dimmable.No visible flicker.
			TI				Incompatibility			Incompatibility
			ER				Incompatibility			Incompatibility
			ON		17.96W		Function is available	18.52W		Function is available
			OFF				Function is available			Function is available
			1		17.9W	0.36W	Incompatibility	17.91W	0.42W	Incompatibility
			2		17.94W	0.11W	Stable dimming performance but the light is <b>still on and dimming light</b> in the Min position; No visible flicker.	18.56W	0.15W	Stable dimming performance but the light is <b>still on and dimming light</b> in the Min position; No visible flicker.

5	schneider	CCTDD20016	3 Prog		18.01W	0.12W	Stable dimming performance but the light is <b>still on and dimming light</b> in the Min position; No visible flicker.	18.22W	0.13W	Stable dimming performance but the light is <b>still on and dimming light</b> in the Min position; No visible flicker.
			4 LED2		17.98W	0.12W	Stable dimming performance and it can be turned off;No visible flicker	18.5W	0.15W	Stable dimming performance and it can be turned off;No visible flicker
			5 Prog		17.92W	0.13W	Stable dimming performance and it can be turned off;No visible flicker	18.27W	0.13W	Stable dimming performance and it can be turned off;No visible flicker
			6 Strd		17.97W		Can be turned on but Non-dimmable.No visible flicker.	18.29W		Can be turned on but Non-dimmable.No visible flicker.
			7 ON		18W		Can be turned on but Non-dimmable.No visible flicker.	18.63W		Can be turned on but Non-dimmable.No visible flicker.
	Legrandoc	002671	White	Green	18.84W	2.77W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	19.39W	2.75W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
				Orange	18.11W		Can be turned on&off but Non-dimmable.	18.69W		Can be turned on&off but Non-dimmable.
				White	18.09W	2.71W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.55W	2.67W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
				Blue	18.1W		Can be turned on&off but Non-dimmable.	18.67W		Can be turned on&off but Non-dimmable.
				Red	18.01W	6.7W	The lamp can be dimmed in the Min position,Not Max position;	18.53W	6.62W	The lamp can be dimmed in the Min position,Not Max position;
			Red							
			Green							



10	NIKO	310-02900	DEFAULT 1		18.79W	1.99W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	19.21W	2.02W	Stable dimming performance but the light is still on in the Min position;No visible flicker.
			HALO LED2				Incompatibility			Incompatibility
			Transformer LED3		1.88W	0.54W	Incompatibility	1.92W	0.5W	Incompatibility
			LED4		16.54W		Can be turned on but Non-dimmable	16.75W		Can be turned on but Non-dimmable
			Transformer LED5		18.06W	0.65W	Stable dimming performance but the light is still on in the Min position;There is visible flicker.	18.49W	0.6W	Stable dimming performance but the light is still on in the Min position;There is visible flicker.
			LED6		18.91W	0.39W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	19.37W	0.37W	Stable dimming performance but the light is still on in the Min position;No visible flicker.
			LED7		18.02W	0.4W	Incompatibility	18.5W	0.41W	Incompatibility
			LED8		18.92W	0.38W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	19.38W	0.45W	Stable dimming performance but the light is still on in the Min position;No visible flicker.
			LED1		17.99W	1.97W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	18.67W	1.98W	Stable dimming performance but the light is still on in the Min position;No visible flicker.
			LED2				Incompatibility			Incompatibility
			LED3 *		17.97W	3.05W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	18.48W	3.04W	Stable dimming performance but the light is still on in the Min position;No visible flicker.

11	NIKO	310-01900	LED4*		18.56W	3.44W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	19.08W	3.47W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			LED5		18.03W	0.3W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.57W	0.28W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			LED6		18.15W	0.4W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.75W	0.4W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			LED7*		18.06W	0.3W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.59W	0.26W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			LED8*		18.26W	0.4W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.81W	0.39W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
12	bticino	N4411N	Preset levels mode		13.45W	5.66W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	13.79W	5.39W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			Preset levels mode+night mode		13.52W	5.37W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	13.8W	5.64W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			Dimming mode		18.05W	1.78W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.57W	1.72W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
13	bticino	N4408N			18.85W	5.62W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	19.42W	5.59W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			LED1		18.8W	2.2W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	19.24W	2.26W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			HALO LED2				Incompatibility			Incompatibility

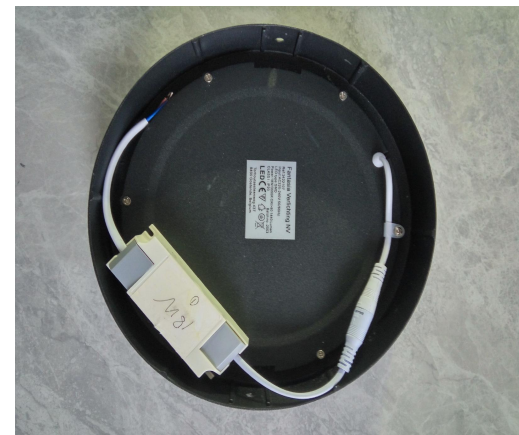


14	NIKO	310-03900	Transform er LED3*		1.91W	0.54W	Incompatibility	1.98W	0.57W	Incompatibility
			LED4		16.58W	0.53W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	16.69W	0.55W	Stable dimming performance but the light is still on in the Min position;No visible flicker.
			Transform er LED5		17.84W	0.54W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	18.37W	0.53W	Stable dimming performance but the light is still on in the Min position;No visible flicker.
			LED6		18.69W	0.42W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	19.21W	0.45W	Stable dimming performance but the light is still on in the Min position;No visible flicker.
			LED7*		17.89W	0.57W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	18.44W	0.57W	Stable dimming performance but the light is still on in the Min position;No visible flicker.
			LED8*		18.74W	0.46W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	19.16W	0.48W	Stable dimming performance but the light is still on in the Min position;No visible flicker.
15	eltako	EUD61NPL-230V	P-AB		17.84W	1.41W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	18.36W	1.4W	Stable dimming performance but the light is still on in the Min position;No visible flicker.
			P-AN		18.7W	1.84W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	19.3W	1.93W	Stable dimming performance but the light is still on in the Min position;No visible flicker.
16	eltako	EUD61NP-230V			0.64W	0.64W	Incompatibility	0.64W	0.64W	Incompatibility
			AUTO		18.14W	1.31W	Stable dimming performance but the light is still on in the Min position;No visible flicker.	18.62W	1.27W	Stable dimming performance but the light is still on in the Min position;No visible flicker.

17	eltako	EUD61NPN-230V	LC1		18.6W	1.52W	same a above	19.25W	1.48W	same a above
			LC2		18.53W	1.45W	same a above	19.25W	1.52W	same a above
			LC3		18.63W	1.5W	same a above	19.3W	1.51W	same a above
			EC1		18.01W	3.2W	same a above	18.63W	3.23W	same a above
			EC2		17.9W	3.1W	same a above	18.51W	3.24W	same a above
18	eltako	EUD61NPN-UC	AUTO		17.96W	1.24W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.	18.5W	1.25W	Stable dimming performance but the light is <b>still on</b> in the Min position;No visible flicker.
			LC1		18.52W	1.45W	same a above	19.14W	1.46W	same a above
			LC2		18.38W	1.47W	same a above	18.95W	1.44W	same a above
			LC3		18.4W	1.48W	same a above	18.93W	1.48W	same a above
			EC1		17.79W	3.11W	same a above	18.36W	3.17W	same a above
			EC2		17.84W	3.16W	same a above	18.35W	3.19W	same a above

Test result: 3422107 and 3422102 are use the same LED module and driver, there is no significant difference in the matching results between DUT(1&2) and the same dimmer; The ones with better dimming compatibility 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.3422107



NO.3422102

