

# Dimmer compatibility test

Project Name:Spot light(1pcs)

Project ID:20211025

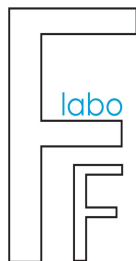
Product/Part number: TR0140W 12W

Date:Oct-25th-2021

Comment/Result: PASS

Inspector:Tuan&James

No.	Brand	Item No.	Mode①	Mode②	TR0140W		
					12W/230V		
					Max	Min	Description
			Fluocompact*	Progressive switch-off	12.64W	2.36W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				Night light	12.65W	2.28W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				100%	12.63W	2.47W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				No Funciton	12.6W	2.47W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
			Capacitive loads(CFL)	Progressive switch-off	12.58W	1.43W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				Night light	12.75W	1.42W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				100%	12.43W	1.6W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				No Funciton	12.52W	1.44W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				Progressive switch-off	12.94W	1.52W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.



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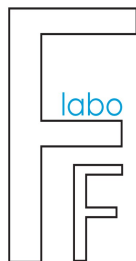
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No.	Brand	Item No.	Mode①	Mode②	TR0140W		
					12W/230V		
					Max	Min	Description
1	hager	EVN012	Inductive loads	Night light	12.98W	1.48W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				100%	12.98W	1.49W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				No Function	12.96W	1.51W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
			LED load	Progressive switch-off	12.87W	2.32W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				Night light	12.93W	2.25W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				100%	12.91W	2.21W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				No Function	12.83W	2.23W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
			Load tracking(CFL + LED)	Progressive switch-off	12.47W	2W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				Night light	12.44W	1.98W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.



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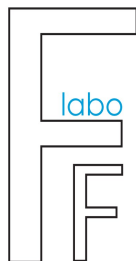
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No.	Brand	Item No.	Mode①	Mode②	TR0140W		
					12W/230V		
					Max	Min	Description
			tracking(ON LED)	100%	12.41W	1.68W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				No Function	12.43W	1.69W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
			Factory reset	Progressive switch-off	12.6W	1.45W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				Night light	12.43W	1.46W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				100%	12.42W	1.45W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
				No Function	12.4W	1.43W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
2	hager	EVN011			12.52W	1.4W	Stable dimming performance and invisible flicker,but there is faint flicker when turn on;The light can be dimmed to 5%.
3	elitako	EUD12NPN-UC	EC1				Incompatible
			EC2				Incompatible
			LC1				Incompatible
			LC2				Incompatible
			LC3				Incompatible
			EUD		11.82W		Can be turned on but Non-dimmable



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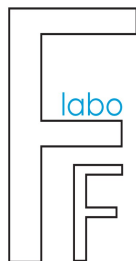
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No.	Brand	Item No.	Mode①	Mode②	TR0140W		
					12W/230V		
					Max	Min	Description
4	eltako	EUD12D-UC	RTD				Incompatible
			ESV		11.84W		Can be turned on&off but Non-dimmable and invisible flicker;Time switch Function is available.
			TLZ		11.6W		Can be turned on&off but Non-dimmable and invisible flicker;Time switch Function is available.
			MIN		11.94W		Can be turned on&off but Non-dimmable.
			MMX		11.65W		Can be turned on&off but Non-dimmable.
			TI				Incompatible
			ER				Incompatible
			ON		11.93W		Function is available
			OFF				Function is available
5	schneider	CCTDD20016	1		11.9W	1.17W	Unstable dimming performance and there is visible flicker.
			2		11.84W	0.52W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.
			3 Prog				Incompatible
			4 LED2		11.86W	0.13W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.
			5 Prog		10.33W	0.08W	Unstable dimming performance and invisible flicker;The light can be turned off in the Min position.



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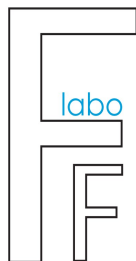
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No.	Brand	Item No.	Mode①	Mode②	TR0140W		
					12W/230V		
					Max	Min	Description
6	Legrandoc	002671	6 Strd		10.85W		Can be turned on&off but Non-dimmable;Invisible flicker.
			7 ON		11.83W		Can be turned on but Non-dimmable;Funciton is available.
			White	Green	12.68W	1.89W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
				Orange	11.85W		Can be turned on&off but Non-dimmable;Invisible flicker.
				White	12.66W	1.95W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
				Blue	10.82W		Can be turned on&off but Non-dimmable;Invisible flicker.
				Red	12.57W	3.55W	Can only be dimmed to the Min position;Invisible flicker.
			Red				
			Green				
			Orange				
			Blue				
7	NIKO	310-00700	1		11.84W	1.93W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			2				Incompatible
			CFLI1		12.25W	1.63W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			CFLI2		12.78W	2.63W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			LED1		11.89W	0.26W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.
			LED2		11.96W	0.21W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.



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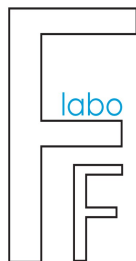
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No.	Brand	Item No.	Mode①	Mode②	TR0140W		
					12W/230V		
					Max	Min	Description
			LED3		11.85W	0.26W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.
			LED4		11.92W	0.2W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.
8	NIKO	310-04900			11.98W	1.7W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
9	NIKO	310-02800			12.55W	0.91W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
10	NIKO	310-02900	DEFAULT 1		12.71W	1.82W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			HALO LED2		12.71W	1.69W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			Transformer LED3		12.69W	0.93W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			LED4		9.28W	0.54W	Stable dimming performance but the range is limited.But there is visible flicker in the Min position.
			Transformer LED5		12.12W	0.52W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			LED6		12.72W	0.37W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.
			LED7		12.09W	0.5W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			LED8		12.69W	0.38W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.



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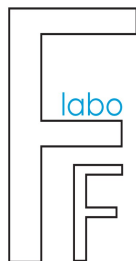
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No.	Brand	Item No.	Mode①	Mode②	TR0140W		
					12W/230V		
					Max	Min	Description
11	NIKO	310-01900	LED1		11.81W	1.33W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			LED2				Incompatible
			LED3 *		12.19W	1.63W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			LED4*		12.8W	2W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			LED5		11.82W	0.26W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.
			LED6		13.04W	0.19W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.
			LED7*		11.77W	0.32W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			LED8*		13.07W	0.18W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.
12	bticino	N4411N	Preset levels mode		12.13W	2.51W	Can be tured on but Non-dimmable;Invisible flicker.
			Preset levels mode+night		12.13W	2.5W	Can be tured on but Non-dimmable;Invisible flicker.
			Dimming mode		12.12W	1.42W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
13	bticino	N4408N					Incompatible
			LED1		12.74W	2.01W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			HALO LED2				Incompatible



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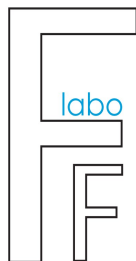
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No.	Brand	Item No.	Mode①	Mode②	TR0140W		
					12W/230V		
					Max	Min	Description
14	NIKO	310-03900	Transformer LED3*				Incompatible
			LED4		9.19W	0.56W	Stable dimming performance but the range is limited.But there is visible flicker in the Min position.
			Transformer LED5		12W	0.62W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			LED6		12.75W	0.5W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.
			LED7*		11.97W	0.59W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			LED8*		12.71W	0.51W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.
15	eltako	UD61NP-230	P-AB		12.11W	1.03W	Stable dimming performance and invisible flicker.The light can be dimmed to 5%.
			P-AN		12.98W	0.94W	Stable dimming performance and invisible flicker.The light can be turned off in the Min position.
16	eltako	EUD61NP-230V					Incompatible
		E	AUTO		11.8W	1.18W	Stable dimming performance and invisible flicker;Slow dimming response and can't be turned off in the Min position.
			LC1		12.74W	0.96W	Stable dimming performance and invisible flicker;Slow dimming response and can't be turned off in the Min position.





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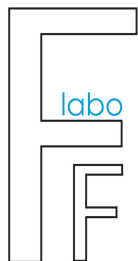
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No.	Brand	Item No.	Mode①	Mode②	TR0140W		
					12W/230V		
					Max	Min	Description
17	eltako	UD61NPN-230V	LC2		12.7W	0.95W	Stable dimming performance and invisible flicker;Slow dimming response and can't be turned off in the Min position.
			LC3		12.65W	0.94W	Stable dimming performance and invisible flicker;Slow dimming response and can't be turned off in the Min position.
			EC1		11.77W	1.83W	Unstable dimming performance and invisible flicker.
			EC2		11.79W	1.81W	Unstable dimming performance and invisible flicker.
18	eltako	EUD61NPN-UC	AUTO		12.22W	1.2W	Stable dimming performance and invisible flicker;Slow dimming response and can't be turned off in the Min position.
			LC1		12.72W	0.92W	Stable dimming performance and invisible flicker;Slow dimming response and can't be turned off in the Min position.
			LC2		12.77W	0.95W	Stable dimming performance and invisible flicker;Slow dimming response and can't be turned off in the Min position.
			LC3		12.72W	0.93W	Stable dimming performance and invisible flicker;Slow dimming response and can't be turned off in the Min position.
			EC1		11.79W	1.76W	Unstable dimming performance and invisible flicker;Slow dimming response and can't be turned off in the Min position.
			EC2		11.76W	1.74W	Unstable dimming performance and invisible flicker;Slow dimming response and can't be turned off in the Min position.



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No.	Brand	Item No.	Mode①	Mode②	TR0140W		
					12W/230V		
					Max	Min	Description
Test result: TThe ones with better compatibility are: No. 5 (Mode 2; 4LED2)/No.6(White Mode: Grenn, White)/No.7( 1,CFLI1 ,CFLI2, LED1, LED2,LED3,LED4 Mode )/No.8/9/10(DEFAULT 1 ,HALO LED2,Transformer LED3,Transformer LED5, LED6,LED7, LED8 Mode )/No.11(LED1, LED3*, LED4*, LED5, LED6, LED7*, LED8*Mode)/No.12 (Dimming mode )/No.14(LED 1, Transformer LED5, LED6, LED7*, LED8* mode )/No.15/17(AUTO, LC1,LC2,LC3, Mode )/No.18(AUTO, LC1,LC2,LC3, Mode )							

