

**SORAA AR111 12V 12.5W - DIMMER / ELECTRONIC TRANSFORMER COMPATIBILITY - North America**

Dimmer (120V) →			Grafilo Eye 3000 + PHPM-PA-DV-Wifi module	Diva DVELV-300P	Lutron SPSELV-600	Maestro MVELV-600	Nova T NTELV-300	Skylink SELV-300P	Leviton 6615-P-300W	MARLIN CONTROLS Shellor DIMMING CABINET P/N 6-3-08-20-3-10BT with RMS 8 Control Unit - approx. 6 Kilo-Watts Total	Lutron Radio RA2 RFD-RNA-WH 600W	Lutron CTELV-303P	Lutron FAELV-500M	
Transformer (120V) ↓														
North America														
B+L	CV90001 (CV-10/75-12)	Electronic	10%	10%	18%	16%	17%	12%	NC		14%			
B+L	CV90021 (CV-10/105-12)	Electronic	10%	11%	17%	17%	19%	12%	NC		14%			
B+L	FX95100	Electronic	10%	9%	18%	13%	15%	10%	NC		16%			
B+L	MS90119	Electronic	10%	1,2 lamps: 8% 3 lamps: N C	1,2 lamps: 17% 3 lamps: N C	14%	1,2 lamps: 15% 3 lamps: N C	10%	NC		17%			
ELG	250LT2512	Electronic	1,2 lamps: N C 3 lamps: 10%	1 lamp: N C 2,3 lamps: 10%	1 lamp: N C 2,3 lamps: 15%	1 lamp: N C 2,3 lamps: 14%	NC	1 lamp: N C 2,3 lamps: 11%	NC		13%			
Hatch	RL12-75	Electronic					9%	12%						
Hatch	RS12-150	Electronic	10%	8%	15%	15%	16%	10%	NC	NC	15%			
Hatch	RS12-60M-LED	Electronic	10%	7%	13%	12%	14%	8%	NC	10%	17%			
Hatch	VS12-105	Electronic	1 lamp: N C 2-3 lamps: 20%	1 lamp: N C 2-3 lamps: 20%	1 lamp: N C 2-3 lamps: 25%	1 lamp: N C 2-3 lamps: 22%	1 lamp: N C 2-3 lamps: 23%	1 lamp: N C 2-3 lamps: 19%	NC	NC	1,2 Lamps: N C 3 lamps 23%			
Hatch	VS12-150	Electronic	10%	9%	18%	15%	15%	10%	NC	1,2 Lamps: N C 3 Lamps: 21%				
Hatch	VS12-60	Electronic	10%	7%	14%	12%	13%	8%	NC	1 Lamp: N C 2,3 lamps: 19%	15%			
Hatch	VS12-60WD	Electronic	10%	8%	16%	14%	15%	10%	27%	1 Lamp: N C 2,3 Lamps: 19%	16%			
Hatch	VS12-75WD	Electronic	9%	8%	16%	13%	15%	9%	25%	NC	16%			
Ligtech	303 AC 120 12	Electronic	10%	10%	19%	1,3 lamps: 26% 2 lamps: N C	18%	1,3 lamps: 21% 2 lamps: N C	26%	NC				
Ligtech	LET 105	Electronic	10%	7%	12%	12%	14%	9%	NC	1 Lamp: N C 2 Lamps: 23% 3 Lamps: N C	15%			
Ligtech	LET 151 R LDC	Electronic	1,2 lamps: N C 3 lamps: 19%	NC	NC	NC	13%	7%	NC	1 Lamp: N C 2,3 Lamps: 20%	1 lamp: N C 2,3 Lamps: 21%			
Ligtech	LET 60	Electronic	10%	7%	13%	12%	13%	9%	36%	16%	16%			
Ligtech	LET 60LW	Electronic	NC	NC	NC	NC	NC	NC	NC	1 Lamp: N C 2,3 lamps: 20%				
Ligtech	LET 75	Electronic	10%	5%	11%	10%	12%	7%	NC	1,2 Lamps: 23% 3 Lamps: N C	NC			
Ligtech	9/24/2015 (*)	Electronic	9%											
LTF	TA15WA12LED	Electronic	3%		5%	6%	6%	2%				6%	6%	
LTF	TA60WA12LED	Electronic	10%	8%	13%	12%	14%	9%	NC		16%			
Magnitude	E60L12DC-KO (*)	Electronic		1 Lamp: N C 2,3 Lamps: 10%	NC	NC	1 lamp: N C 2,3 Lamps: 14%	1 Lamp: N C 2,3 Lamps: 9%						
MDL Corp	316-002	Electronic	10%	5%	12%	12%	12%	7%	NC		16%			
PONY	PET-120-12-75	Electronic	10%	7%	12%	12%	14%	8%	NC		14%			
Prescolite	JK-347A	Electronic				14%	12%	9%						
Tech Lighting	700MOSRT100ES-LED (LTF TA105WA12LED)	Electronic					15%	13%			16%			
Topstar	SL-728	Electronic	10%	8%	13%	12%	13%	9%	NC		13%			
WAC	EN1260-R(B)2 (*)	Electronic		7%		15%					20%			
WAC	EN-12100-R-AR	Electronic	7%	9%	16%	15%	16%	11%	NC		14%			
Tech Lighting	700AT152EL (LTF TA150WD12LEDRE)	Electronic (DC)					16%	14%			13%			
Tech Lighting	700AT302EL (LTF TA300WDS12LEDRE-0000)	Electronic (DC)					16%	13%			14%			
Tech Lighting	700FJARFS (LTF TA75WA12-0000)	Electronic (DC)					14%	8%			13%			

**SORAA AR111 12V 12.5W - DIMMER / ELECTRONIC TRANSFORMER COMPATIBILITY - North America**

Dimmer (120V) →		Transformer (120V) ↓		Lutron VTELV-600M-B	Lutron Skylark SLY-600P	Crestron CLS-C6(M)	Crestron CLS-EXP-DIM	Crestron CLS-EXP-DIMU	Crestron CLX-1DIM4, CLX-1DIM8, CLX-2DIM8	Crestron CLX-1DELV4	Crestron DIN-1DIM4	Crestron DIN-1DIMU4	Crestron CLX-DIM5/DX/CLX-DIM5/CLX-DIM6/CLX-DIM6P-DIMEX	Crestron GLX-DIM6	Crestron GLX-2DIM8
North America															
Hatch	RL12-75	Electronic	8%	10%											
Hatch	RS12-60M-LED	Electronic			NC	NC	10%	NC	10%	NC	8%	NC	NC	NC	NC
Lightech	LET 75	Electronic			NC	NC	5%	NC	12%	NC	5%	NC	NC	NC	NC
Prescolite	JK-347A	Electronic	10%												

Dimmer (277V) →		Transformer (277V) ↓		Leviton Renclair II AWSMT-EA (TE)
North America				
Hatch	RS12-60M-LED-277 (*)	Electronic	8%	

Notes:

Compatibility tests are conducted by Soraa (unless stated otherwise) under bench conditions as guidance for the user; results at the application site may differ due to variability in usage conditions or in dimmer or transformer components/manufacturing.

Regards compatibility tests conducted by dimmer manufacturer, please contact the manufacturer for more details and/or reports.

If the transformer's minimum wattage is not met, the lamp may only operate under nominal conditions (nominal line voltage and thermal conditions where the lamp is at full power).

The lamp load (or number of lamps) should meet minimum load requirement of respective dimmer.

If the dimmer and transformer is not listed, please consult with Soraa before making recommendations to the end customer.

Transformer/dimmer maximum load should not be exceeded. Please follow transformer/dimmer manufacturer's guidelines regarding maximum load with LED lamps. To calculate the estimated maximum number of lamps, please download our calculator from the following link: <https://res.cloudinary.com/soraa/raw/upload/v1452276139/content/max-lamp-load-calculator.xlsx>

(\*) One or more test results with this transformer added to the compatibility list as of Revision B

--%	Dims to < 20% (of the measured light output)
--%	Dims to 20-30% (of the measured light output)
NC	Not compatible (or dims to >30%)
Blank cell	Not tested

**SORAA AR111 12V 12.5W - DIMMER / MAGNETIC TRANSFORMER COMPATIBILITY - North America**

Dimmer (120V) →  Transformer (120V) ↓			Lutron Grafik Eye #8000	Lutron Skylark SLV-600P	Lutron Diva DVLV-600P	Lutron Ceana CNLV-600P	Lutron NTLV-600	MARLIN CONTROLS Stellar DIMMING CABINET P/N 6-3-08-20-3 103T with RMS 8 Control Unit - approx. 6 Kilo-Watts Total	Lutron RadioRA2 RRD-GCL (LE)	Lutron Radio RAZ RRD-6NA-WH 600W	Lutron Radio RAZ RRD-10D-SW 800W	Lutron Maestro MACL-153M (*)	Lutron OSGBL-4P + Custom PHPM (forced leading edge) @277Vac (*)
<b>North America</b>													
Basler Electric	MI-5481E	Magnetic	10%	NC	NC	NC		9%					
Cooper	T50W120VSL (*)	Magnetic			NC					13%		16%	
Cooper	TF-149911	Magnetic	11%	NC	NC	NC		7%					
Cooper	TF 149911-TP120	Magnetic	10%	NC	NC	NC		9%					
Cooper	TFA4120	Magnetic			28%					19%		NC	
Hammond Manufacturing	166Q12	Magnetic	13%	NC	NC	NC		10%					
Hatch	LT12-75-JUL-1 (*)	Magnetic			1-3 lamps: 23% 4 lamps: 20%		20%		18%	13%			
Iris	TFA212	Magnetic					19%			24%			
Iris	TFA311T	Magnetic					19%			15%			
Juno	310-1333	Magnetic	13%	NC	NC	NC		10%					
Linea	701970	Magnetic	13%	NC	NC	NC		9%					
MDL Corp	315-0071A – IRIS RPN3MR Fixture dimmer/ Tap	Magnetic		28%	NC								
MDL Corp	315-0071A – IRIS RPN3MR Fixture Normal Tap	Magnetic		27%	NC					9%	10%		
MDL Corp	315-0126 – 12.3V	Magnetic		26%	NC					9%	8%		
Orientronic	DLR1250BN	Magnetic	13%	27%	27%	27%		8%					28%
Q-Tran	Q65-DC-120-12 (Rectified)	Magnetic	13%	21%	21%	21%		10%					
Q-TRAN	QT10-120/12-TP-RC	Magnetic	9%	24%	24%	24%		8%					
Q-TRAN	QT20-120/12-TP-RC	Magnetic	9%	28%	28%	28%		9%					30%
Q-Tran	QT50-75CK-PT-277-RC	Magnetic											27%
Q-TRAN	QT-50-75CK-PT-RC Date 11/11	Magnetic	10%	23%	23%	23%		1 Lamp: N C 2,3 Lamps: 20%					
Q-TRAN	QT505V-120/12-RC	Magnetic	13%	30%	30%	30%							
Q-Tran	QTM60-DC+CAP (Rectified + Filtered)	Magnetic	10%	NC	NC	NC		1 Lamp: 10% 2,3 Lamps: N C					

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Dimmer (120V) → Transformer (120V) ↓			Creston CLS-C6(Any Suffix)	Creston CLS-EXP-DIM	Creston CLS-EXP-DIMU	Creston CLX-1DIM8, CLX-1DIM8, CLX-2DIM2, CLX-2DIM8	Creston CLS-1DELV4	Creston DIN-1DIM4	Creston DIN1DIMU4	Creston CLW-DIM(Any suffix), P-DIMEX	Creston GLX-DIM6	Creston GLX-2DIM8	Creston CLW-DELVE(Any suffix)	Forbes & Lomax FLRL603P
<b>North America</b>														
<b>Hatch</b>	LS12-50EN (*)	Magnetic												NC
<b>Q-TRAN</b>	QT505V-120/12-RC (*)	Magnetic												NC
<b>TechnoMagnet</b>	ODC75S12	Magnetic	12%	10%	NC	14%	NC	8%	NC	8%	8%	8%	NC	

TESTED BY DIMMER/TRANSFORMER MANUFACTURER		Dimmer →	ETC		
Transformer ↓			(Unison Dfnd) D20	(Unison Legacy) D20	(Sensor 3) D20
<b>North America</b>					
<b>Q-TRAN</b>	Q6S-300	Magnetic	TESTED	TESTED	TESTED

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