

## SORAA WARM DIM AR111 12V 18.5W - TRANSFORMER COMPATIBILITY - North America

Mfg	Model	Wattage	Voltage	Country	Transformer Type	1 Lamp
North America						
B+L	FX95100 (version RF1)	75	120	USA	Electronic	Pass
Fulham	T1M1UNV012V-60L	60	120-277	USA	DC	Pass
Hatch	RL12-75A	60	120	USA	Electronic	Pass
Hatch	RS12-60	60	120	USA	Electronic	Pass
Hatch	RS12-60M-LED-277	60	277	USA	Electronic	Pass
Hatch	RS12-150	150	120	USA	Electronic	Pass
Hatch	VS12-60	60	120	USA	Electronic	Pass
Hatch	RS12-60M-LED	60	120	USA	Electronic	Pass
Hatch	RL12-60M-LED	60	120	USA	Electronic	Pass
Lightech	LET-60, LET 60 BF	60	120	USA	Electronic	Pass
Lightech	LET60-LW	60	120	USA	Electronic	Pass
Lightech	LET-75	75	120	USA	Electronic	Pass
Lightech	LET-105	105	120	USA	Electronic	Pass
LTF	TA60WA12LED	60	120	USA	Electronic	Pass
LTF	TA150WA12LED-0000	150	120	USA	Electronic	Pass
LTF	TA300WDS12LEDRE	300	120	USA	DC	Pass
Meanwell	PWM-90-12 (300Hz version)	90	100-305	World	DC	Pass
WAC	EN1260	60	120	USA	Electronic	Pass
Q-TRAN	QHEX-M75-120-12	75	120	USA	Magnetic	Pass
Q-TRAN	QT50SV-120/12-RC	50	120	USA	Magnetic	Pass
Vista	ITT-300	300	120	USA	Magnetic	Pass

## SORAA AR111 & PAR36 12V 18.5W - TRANSFORMER COMPATIBILITY - North America

### Transformer compatibility Notes:

- Compatibility tests are conducted by Soraa only as guidance for the user
- All tests are conducted under bench conditions; results may differ from test results depending on conditions at the application site
- Results may vary due to variability in component choices and manufacturing processes by the transformer manufacturer
- For transformer-lamp compatibility, Soraa only tests up to 5 transformers per circuit. Consult Soraa, controls provider and transformer manufacturer for latest compatibility when installing 5 or more fixtures per circuit. Lamp performance may vary based on field conditions, including but not limited to THD, shared neutral wires, power-quality. Whenever possible, test lamps in-situ to verify satisfactory performance.
- 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).
- If the fixture/transformer is not listed as tested, please consult with Soraa first before making any recommendations to end customer.
- Above table is for applications where no dimmer is used. If a dimmer is used, the user should consult the Dimmer/Transformer table, or contact Soraa if their desired combination is not listed.
- Transformer 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>  
Or following the guidelines stated on page 2 of this document.
- (\*) This transformer added to the compatibility list as of this Revision

## SORAA WARM DIM AR111 12V - DIMMING COMPATIBILITY LIST - ELV - North America

Transformer manufacturer ↓	Transformer model ↓	Transf. type ↓	← Number of lamps per transformer	Dimmer →	Creston DIN-1DIMU4	Lutron Caseta PD-5NE	Lutron Diva DVELV-300	Lutron Grafik Eye QS + ELV Interface PHPM	Lutron Radio RA2 RRD-6NA	Lutron Remote Power Modules HW / LP-RPM-4A-120	Lutron Skylark SELV-300	Marlin Stellar RMS 4
				Dimming phase →	Reverse	Reverse	Reverse	Reverse	Reverse	Reverse	Reverse	Reverse
Hatch	RS12-60M-LED	ELV	1		10%	10%	6%	8%	8%	7%	6%	10%
Lichtech	LET60, LET60-BF	ELV	1		4%	6%	4%	2%	8%	5%	4%	5%

## SORAA WARM DIM AR111 12V - DIMMING COMPATIBILITY LIST - MLV - North America

Transformer manufacturer ↓	Transformer model ↓	Transf. type ↓	← Number of lamps per transformer	Dimmer →	Creston DIN-1DIMU4	Lutron Caseta PD-5NE	Lutron Grafik Eye QS QSGRJ-3P	Lutron Radio RA2 RRD-6NA	Lutron Remote Power Modules HW/LP-RPM-4A-120	Lutron Remote Power Modules HW/LP-RPM-4U-120	Marlin Stellar RMS 4
				Dimming phase →	Forward	Forward	Forward	Forward	Forward	Forward	Forward
Q-Tran	QT50SV-120/12-RC	MLV	1		10%	7%	NC	5%	NC	5%	10%

**Dimming compatibility 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 or Soraa 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>  
Or following the guidelines stated on page 2 of this document.
- (\*) One or more test results with this transformer added to the compatibility list as of this Revision