

SORAA MR16 12V 7.5 & 9W - 120V ELV DIMMER/TRANSFORMER COMPATIBILITY - North America

NC - SORAA does not recommend this transformer for use with its lamps;

120V PHASE-DIMMABLE ELV TRANSFORMERS WITH REVERSE PHASE DIMMERS

| Transformer (120V) | Model | Transformer Type | Number of lamps per transformer during test | Dimmer --> | CRESTRON DIN-1DIMU4 | Lutron Caseta PD-5NE-XX | Lutron Diva DVELV-300P | Lutron Skylark SELV-300P | Lutron Radio RA2 RRD-6NA / HomeWorks HQRA-6NA | Lutron HW/LP-RPM-4A-120 | Lutron Grafik Eye QS +PHPM | Lutron Spacer SPSELV-600 | Lutron Maestro MAELV-600 | Lutron Nova T NTELV-300 |
|--------------------|-------------------|------------------|---|------------|---------------------|-------------------------|------------------------|--------------------------|---|-------------------------|----------------------------|--------------------------|--------------------------|-------------------------|
| B+L | FX95100 | Electronic | 1 | | 8% | | 7% | 7% | 4% | 7% | 3% | 13% | NC | 12% |
| Hatch | RS1215BFLED (*) | Electronic | 1 | | 5% | | 7% | 9% | 8% | 5% | 4% | 8% | 17% | 8% |
| Hatch | RS12-60M | Electronic | 2 | | 8% | | 8% | 9% | 5% | 5% | 3% | 8% | 21% | 8% |
| Hatch | RL12-75A | Electronic | 2 | | NC | | 6% | 7% | 5% | NC | 4% | NC | NC | 9% |
| Hatch | RS12-150 | Electronic | 3 | | 8% | | 8% | 9% | 4% | 3% | 5% | 9% | 19% | 9% |
| Hatch | RS12-15M-LED (*) | Electronic | 1 | | 5% | | 7% | 9% | 8% | 5% | 4% | 8% | 17% | 8% |
| Hatch | RS12-30M-LED | Electronic | 2 | | | | | 9% | | | | | 9% | |
| Hatch | RS12-60M-LED (*) | Electronic | 1 | | 5% | | 5% | 9% | 4% | 5% | 4% | 8% | 17% | 8% |
| Juno | T537QJU (*) | Electronic | 1 | | 5% | | 5% | 9% | 4% | 5% | 4% | 8% | 17% | 8% |
| Juno | T537U (*) | Electronic | 1 | | 5% | | 5% | 9% | 4% | 5% | 4% | 8% | 17% | 8% |
| Lightech | LET60 (*) | Electronic | 1 | | 8% | | 9% | 6% | 5% | 6% | 3% | 8% | 14% | 10% |
| Lightech | LET60-LW | Electronic | 1 | | 8% | | 8% | 9% | 4% | 5% | 3% | 8% | 21% | 21% |
| Lightech | LET75 | Electronic | 1 | | NC | | 6% | 4% | 3% | NC | 8% | 8% | 16% | 16% |
| LTF | TA60WA12LED | Electronic | 1 | | 8% | | 8% | 8% | 2% | 5% | 2% | 8% | 17% | 17% |
| LTF | TA105WA12LED-0000 | Electronic | 3 | | 5% | | 9% | 8% | 3% | 5% | 3% | 8% | 17% | 9% |
| LTF | TA300WDS12LEDRE | Electronic | 3 | | 8% | | 9% | 9% | 5% | 6% | 5% | 8% | NC | 9% |
| TwiceBright | CL1220 Series (*) | Electronic | 1 | | 12% | 8% | 6% | 9% | 6% | 6% | 6% | 9% | 6% | 8% |
| WAC | EN1260 | Electronic | 1 | | 8% | | 8% | 9% | 3% | NC | 2% | 8% | 20% | 20% |

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NC - SORAA does not recommend this transformer for use with its lamps;

| 120V NON PHASE-DIMMABLE TRANSFORMERS WITH DIFFERENT CONTROLS | | | | | | |
|--|--|---------------|---|--|---------------|-------|
| Transformer | Model | | Number of lamps per transformer during test | Controllers, Potentiometers, PWM dimmers --> | Potentiometer | 0-10V |
| NA | | | | | | |
| Fulham | T1M1UNV012V-20L (120V & 277V) | Electronic/DC | 1 | | 0% | 0% |
| Meanwell | PWM-90-12 (300Hz version) (*) (120V & 277V) | Electronic/DC | 1 | | 0% | 0% |
| Meanwell | PWM-120-12 (300Hz version) (*) (120V & 277V) | Electronic/DC | 1 | | 0% | 0% |

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120V DIMMABLE TRANSFORMERS TESTED BY LEVITON

| Transformer | Model | | Number of lamps per transformer during test | Dimmer --> | Leviton PE400 | Leviton Vizia+ Decora VPE06-1LZ Digital Push on/off | Leviton Renoir II AWSMT-EAW | Leviton Renoir II AWSMT-EBW |
|-------------|------------------|------------|---|------------|---------------|---|-----------------------------|-----------------------------|
| NA | | | | | | | | |
| Hatch | RS12-60M-LED (*) | Electronic | 1 | | 8% | 6% | 3% | 3% |

Notes:

Compatibility tests are conducted by Soraa (unless stated otherwise) under bench conditions as guidance for the user.

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

Results at the application site may differ due to variability in usage conditions or in dimmer or transformer components/manufacturing.

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).

Transformer maximum load listed in the transformer compatibility table should not be exceeded.

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

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

| | |
|------------|---|
| --% | 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 MR16 12V 7.5 & 9W - MLV DIMMER/TRANSFORMER COMPATIBILITY - North America

NC - SORAA does not recommend this transformer for use with its lamps;

120V PHASE-DIMMABLE MLV TRANSFORMERS WITH FORWARD PHASE DIMMERS - TABLE FOR 7.5W & 9W LAMPS

| Transformer (120V) | Transformer Model | Transformer Type | Voltage | Number of lamps per transformer | Dimmer --> | Lutron Skylark SLV-600P | Lutron Diva DVLV-600P | Lutron Radio RA2 RRD-6NA | Marlin Controls Stellar | Lutron RPM-4U-120 | Lutron Grafik Eye QS QSGRU-3P | Lutron Caseta PD-10NXD-XX | Lutron Nova-T NTLV-600 | Lutron Caseta PD-5NE-XX |
|--------------------|--------------------------|------------------|---------|---------------------------------|------------|-------------------------|-----------------------|--------------------------|-------------------------|-------------------|-------------------------------|---------------------------|------------------------|-------------------------|
| Q-Tran | QTMS-300MV | Magnetic | 120V | 1 - 10 (7.5W) | | | | | | | 8% | | | |
| Q-Tran | QT50SV-120/12-RC | Magnetic | 120V | 1 - 4 (7.5W) | | | | | | | 8% | | | |
| Q-Tran | QSET-300-120/12 | Magnetic | 120V | 1 - 20 (7.5W) | | | | | | 8% | | | | |
| RL (USAI) | T100 (*) | Magnetic | 120V | 1 | | 22% | 25% | 6% | 6% | 5% | 5% | 8% | 7% | 6% |
| RL (USAI) | T75S-120V (*) | Magnetic | 120V | 1 | | 16% | 23% | 6% | 6% | 4% | 5% | 8% | 7% | 6% |
| Toroid Tech (USAI) | TC0075-0035 (E2-034) (*) | Magnetic | 120V | 1 | | 16% | 24% | 6% | 6% | 5% | 5% | 8% | 7% | 6% |

SORAA MR16 12V 7.5 & 9W - MLV DIMMER/TRANSFORMER COMPATIBILITY - North America

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120V PHASE-DIMMABLE MLV TRANSFORMERS WITH FORWARD PHASE DIMMERS - TABLE FOR 9W LAMPS ONLY (7.5W UNDER TEST)

| Transformer | Model | Transformer Type | Voltage | Number of lamps per transformer | Dimmer --> | Lutron Skylark SLV-600P | Lutron Diva DVLV-600P | Lutron Radio RA2 RRD-6NA | Marlin Controls Stellar | Lutron Grafik Eye QS |
|-------------|-------------------|------------------|---------|---------------------------------|------------|-------------------------|-----------------------|--------------------------|-------------------------|----------------------|
| Cooper | T50W120VSL | Magnetic | 120V | 1 | | NC | 25% | 6% | 1% | 5% |
| Cooper | TF-149911 | Magnetic | 120V | 1 | | 22% | 24% | 5% | 4% | 4% |
| Cooper | TF 149911-TP120 | Magnetic | 120V | 1 | | 14% | 23% | 6% | 4% | 4% |
| Cooper | TFA4120 | Magnetic | 120V | 1 | | 21% | 24% | 5% | 4% | 4% |
| Hatch | LS1275EN/12V | Magnetic | 120V | 1 | | 21% | 22% | 5% | 5% | 4% |
| Juno | 310-1333 | Magnetic | 120V | 1 | | 21% | 26% | 6% | 1% | 5% |
| Q-TRAN | QT10-120/12-TP-RC | Magnetic | 120V | 1 | | 21% | 15% | 4% | 4% | 4% |
| Q-TRAN | QT20-120/12-TP-RC | Magnetic | 120V | 1 | | 21% | 24% | 4% | 4% | 4% |
| Q-TRAN | QT50SV-120/12-RC | Magnetic | 120V | 1 | | 22% | 25% | 5% | 1% | 5% |

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

| | |
|------------|---|
| --% | 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 |