

SORAA BRILLIANT H.L. MR16 12V 7.5W & 9W - TRANSFORMER COMPATIBILITY LIST - North America

PASS - The transformer supports one or more lamps up to the maximum wattage;

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

2 Lamp Min - The transformer supports two or more lamps upto the maximum lamp wattage limit;

3 Lamp Min - The transformer supports three or more lamps upto the maximum lamp wattage limit

| Brand | Model | Wattage | Voltage (Vac) | Transformer Type | 7.5W | | 9W | Maximum Number of 7.5W Lamps per Transformer | Maximum Number of 9W Lamps per Transformer |
|---------------|------------------|---------|---------------|------------------|--------------------------|------------------|--------------------------|--|--|
| North America | | | | | Free Air or Open Fixture | Enclosed Fixture | Free Air or Open Fixture | | |
| B+L | FX95100 / RFI | 0-75 | 120 | Electronic | PASS | PASS | PASS | 6 | 5 |
| ELG | 250EL7512 | 75 | 120 | Electronic | PASS | PASS | PASS | 7 | 5 |
| Fulham | T1M1UNV012V-20L | 20 | 120-277 | Electronic/DC | PASS | PASS | PASS | 1 | 1 |
| Fulham | T1M1UNV012V-60L | 60 | 120-277 | Electronic/DC | PASS | PASS | PASS | 5 | 4 |
| Hatch | RL12-75A-EPL | 75 | 120 | Electronic | PASS | PASS | PASS | 6 | 5 |
| Hatch | RS1215BFLED | 15 | 120 | Electronic | PASS | PASS | PASS | 1 | 1 |
| Hatch | RS12-150 | 150 | 120 | Electronic | PASS | PASS | PASS | 13 | 11 |
| Hatch | RS12-300 | 300 | 120 | Electronic | PASS | PASS | PASS | 5 | 4 |
| Hatch | RS12-60(AS) | 60 | 120 | Electronic | PASS | PASS | PASS | 5 | 4 |
| Hatch | RS12-15M-LED | 15 | 120 | Electronic | PASS | PASS | PASS | 1 | 1 |
| Hatch | RS12-30M-LED | 30 | 120 | Electronic | PASS | PASS | PASS | 2 | 2 |
| Hatch | RS12-60M-LED | 60 | 120 | Electronic | PASS | PASS | PASS | 5 | 4 |
| Hatch | RS12-60M-LED-FCC | 60 | 120 | Electronic | PASS | PASS | PASS | 5 | 4 |
| Hatch | RL12-60M-LED | 60 | 120 | Electronic | PASS | PASS | PASS | 5 | 4 |
| Hatch | RS12-80(AS) | 80 | 120 | Electronic | NC | NC | NC | NC | NC |
| Hatch | VS12-60W | 60 | 120 | Electronic | PASS | PASS | PASS | 5 | 4 |
| Hatch | VS12-105 | 105 | 120 | Electronic | 3 Lamps min | 3 Lamps min | 3 Lamps min | 9 | 8 |

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| North America | | | | | Free Air or Open Fixture | Enclosed Fixture | Free Air or Open Fixture | | |
| Juno | T537QJU | 60 | 120 | Electronic | PASS | PASS | PASS | 5 | 4 |
| Juno | T537U | 60 | 120 | Electronic | PASS | PASS | PASS | 5 | 4 |
| Juno | T538 | 75 | 120 | Electronic | NC | NC | NC | NC | NC |
| LighTech | LET-60, LET-60 BF | 60 | 120 | Electronic | PASS | PASS | PASS | 5 | 4 |
| LighTech | LET60-LW | 60 | 120 | Electronic | PASS | PASS | PASS | 5 | 4 |
| LighTech | LET-75-120 | 75 | 120 | Electronic | PASS | PASS | PASS | 6 | 5 |
| LighTech | LET-151 R | 150 | 120 | Electronic | PASS | PASS | PASS | 11 | 9 |
| LighTech | LET-303-12 | 300 | 120 | Electronic | PASS | PASS | PASS | 23 | 19 |
| LTF | TA15WA12LEDB15 | 15 | 120 | Electronic | PASS | PASS | PASS | 1 | 1 |
| LTF | TA60WA12LED | 60 | 120 | Electronic | PASS | PASS | PASS | 5 | 4 |
| LTF | TA75WA12 | 75 | 120 | Electronic | PASS | PASS | PASS | 6 | 5 |
| LTF | TA105WA12LED | 105 | 120 | Electronic | PASS | PASS | PASS | 9 | 8 |
| Meanwell | LPV-20-12 | 20 | 120 | Electronic/DC | PASS | PASS | PASS | 1 | 1 |
| Meanwell | PWM-90-12 (300Hz version) | 90 | 120 & 277 | Electronic/DC | PASS | PASS | PASS | 8 | 6 |
| Meanwell | PWM-90-12 (1.47kHz version) | 90 | 120 & 277 | Electronic/DC | NC | NC | NC | NC | NC |
| Meanwell | PWM-120-12 (300Hz version) | 120 | 120 & 277 | Electronic/DC | PASS | PASS | PASS | 10 | 8 |
| Meanwell | PWM-120-12 (1.47kHz version) | 120 | 120 & 277 | Electronic/DC | NC | NC | NC | NC | NC |

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| North America | | | | | Free Air or Open Fixture | Enclosed Fixture | Free Air or Open Fixture | | |
| MDL Corp | 316-0002 | 150 | 120 | Electronic | PASS | PASS | PASS | 13 | 11 |
| TCI | DC JOLLY DALI (cod.123424) | 10 | 120 | Electronic/DC | NC | NC | NC | NC | NC |
| WAC | EN-12100-R-AR | 100 | 120 | Electronic | PASS | PASS | PASS | 9 | 7 |
| WAC | EN-1260-R | 60 | 120 | Electronic | PASS | PASS | PASS | 5 | 4 |
| Cooper | T50W120VSL | 50 | 120 | Magnetic | PASS | PASS | PASS | 4 | 3 |
| Cooper | TF-149911 | 50 | 120 | Magnetic | PASS | PASS | PASS | 4 | 3 |
| Cooper | TF149911-TP120 | 50 | 120 | Magnetic | PASS | PASS | PASS | 4 | 3 |
| Cooper | TFA4120 | 50 | 120 | Magnetic | PASS | PASS | PASS | 4 | 3 |
| Cooper | TF-E4-120 | 10 | 120 | Magnetic | PASS | PASS | PASS | 1 | 1 |
| Cooper | TF-E4-UNV | 10 | 120 & 277 | Magnetic | PASS | PASS | PASS | 1 | 1 |
| Hammond Mfg | 166Q12 | 75 | 120 | Magnetic | PASS | PASS | PASS | 1 | 5 |
| Hatch | LT12-75-JIG-1 | 75 | 120 | Magnetic | PASS | PASS | PASS | 7 | 5 |
| Hatch | RL12-50(E, EN, ENT) | 50 | 120 | Magnetic | PASS | PASS | PASS | 4 | 3 |
| Hatch | RL12-75(E, EN, ENT) | 75 | 120 | Magnetic | PASS | PASS | PASS | 7 | 5 |
| Iris | TFT-212 | 75 | 120 | Magnetic | PASS | PASS | PASS | 7 | 5 |
| Iris | TFA-311T | 50 | 120 | Magnetic | PASS | PASS | PASS | 4 | 3 |
| Iris | TFA-3TR | 50 | 120 | Magnetic | PASS | PASS | PASS | 4 | 3 |

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| North America | | | | | Free Air or Open Fixture | Enclosed Fixture | Free Air or Open Fixture | | |
| Iris | TFA-400 | 75 | 120 | Magnetic | PASS | PASS | PASS | 7 | 5 |
| Iris | TFA-51T | 75 | 120 | Magnetic | PASS | PASS | PASS | 7 | 5 |
| Juno | 310-1333 | 300 | 120 | Magnetic | PASS | PASS | PASS | 28 | 23 |
| MDL Corp | 315-0071A-IRIS RPN3MR Fixt Dim Tab | 50 | 120 | Magnetic | PASS | PASS | PASS | 4 | 3 |
| MDL Corp | 315-0071A-IRIS RPN3MR Fixt Norm Tab | 50 | 120 | Magnetic | PASS | PASS | PASS | 4 | 3 |
| MDL Corp | 315-0126-12.3V | 50 | 120 | Magnetic | PASS | PASS | PASS | 4 | 3 |
| MDL Corp | 315-0005-1 | 150 | 120 | Magnetic | PASS | PASS | PASS | 14 | 11 |
| LINEA | 701970 | 300 | 120 | Magnetic | PASS | PASS | PASS | 28 | 23 |
| Orientronic | DLR1250BN | 50 | 120 | Magnetic | PASS | PASS | PASS | 4 | 3 |
| Orientronic | DLR1250BN | 50 | 120 & 277 | Magnetic | PASS | PASS | PASS | 4 | 4 |
| Q-Tran | QT50SV-120/12-RC | 50 | 120 | Magnetic | PASS | PASS | PASS | 4 | 3 |
| Q-Tran | QTMS-300MV | 300 | 120 | Magnetic | PASS | PASS | PASS | 10 | 8 |
| Q-Tran | QSET-300-120/12 | 300 | 120 | Magnetic | PASS | PASS | PASS | 20 | 15 |

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| North America | | | | | Free Air or Open Fixture | Enclosed Fixture | Free Air or Open Fixture | | |
| Cooper | TF-E4-277 | 10 | 277 | Magnetic | PASS | PASS | PASS | 1 | 1 |
| Hatch | LT12-75-JIG-2 | 75 | 277 | Magnetic | PASS | PASS | PASS | 7 | 5 |
| Hatch | RL12-75-ABF-277 (*1) (*2) | 60 | 277 | Electronic | NC | NC | NC | NC | NC |
| Hatch | RS12-105-277 (*1) (*2) | 105 | 277 | Electronic | NC | NC | NC | NC | NC |
| Hatch | RS12-80-277 (*1) (*2) | 80 | 277 | Electronic | NC | NC | NC | NC | NC |
| Hatch | RS12-60M-LED-277 (*1) | 60 | 277 | Electronic | PASS | PASS | PASS | 5 | 4 |
| Lightech | LET75 277 R (*1) | 75 | 277 | Electronic | PASS | PASS | PASS | 5 | 4 |
| LTF | TE15WA12LED-0000 (*1) | 15 | 277 | Electronic | PASS | PASS | PASS | 1 | 1 |
| Q-Tran | QT10-277/12-TP-RC | 10 | 277 | Magnetic | NC | NC | NC | NC | NC |
| Q-Tran | QT20-277/12-TP-RC | 20 | 277 | Magnetic | PASS | PASS | PASS | 1 | 1 |
| Q-Tran | QT50-75CK-PT-277-RC | 50 | 277 | Magnetic | PASS | PASS | PASS | 4 | 3 |

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Notes:

- Compatibility tests are conducted by Soraa under bench conditions as guidance for the user; results at the application site may differ due to variability in usage conditions or in 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).
- If the transformer is not listed, please consult with Soraa before making recommendations to the end customer
- 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.
- 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.
- (AS) means "Any Suffix"
- (*1) Soraa does not recommend 277V Electronic transformers for dimming applications, unless stated on our dimming compatibility list.
- (*2) Hatch does not warranty their electronic 277V transformers when used with LED lamps unless their product number ends with -LED
- (*) This transformer added to the compatibility list as of this Revision

SORAA BRILLIANT H.L. MR16 12V 7.5W & 9W - DIMMING COMPATIBILITY LIST - ELV - North America

| Transf. manuf. ↓ | Transformer model ↓ | Transf. type ↓ | ← Number of lamps per transformer | Dimmer → | Creston DIN-1DIMU4 | Legrand Radiant RH703PTU | Lutron Caseta PD-5NE | Lutron Diva DVELV-300 | Lutron Grafik Eye QS + ELV Interface PHPM | Lutron Maestro MAELV-600 | Lutron Maestro Wireless MRF2-6ELV-120 | Lutron Radio RA2 RRD-6NA | Lutron Remote Power Modules HW / LP-RPM-4A-120 | Lutron Skylark SELV-300 | Lutron Spacer SPSELV-600 | Marlin Stellar RMS 4 |
|---------------------|------------------------|-------------------|-----------------------------------|-----------------|--------------------|--------------------------|----------------------|-----------------------|---|--------------------------|---------------------------------------|--------------------------|--|-------------------------|--------------------------|----------------------|
| | | | | Dimming phase → | Reverse | Reverse | Reverse | Reverse | Reverse | Reverse | Reverse | Reverse | Reverse | Reverse | Reverse | Reverse |
| B+L | FX95100/RFI | ELV | 1 | | 5% | 7% | 8% | 6% | 4% | 5% | 5% | 4% | 0% | 6% | 9% | 5% |
| Hatch | RL12-60M-LED | ELV | 1 | | 4% | 15% | 5% | 5% | 4% | 6% | 5% | 5% | 5% | 5% | 6% | 6% |
| Hatch | RS12-60M-LED | ELV | 1 | | 5% | 6% | 6% | 6% | 4% | 6% | 5% | 5% | 5% | 6% | 6% | 6% |
| Juno | T537QJU | ELV | 1 | | 5% | 6% | 6% | 6% | 4% | 6% | 5% | 5% | 5% | 6% | 6% | 6% |
| Juno | T537U | ELV | 1 | | 5% | 6% | 6% | 6% | 4% | 6% | 5% | 5% | 5% | 6% | 6% | 6% |
| L.T.F. | TA15WA12LED-0000 | ELV | 1 | | 5% | 5% | 6% | 5% | 5% | 6% | 5% | 5% | 5% | 5% | 6% | 6% |
| L.T.F. | TA60WA12LED | ELV | 1 | | 5% | 6% | 6% | 6% | 4% | 5% | 5% | 5% | 4% | 6% | 6% | 5% |
| L.T.F. | TA300WDS12LEDRE-0000 | ELV / DC | 3 | | 4% | 18% | 6% | 6% | 4% | 5% | 4% | 4% | 0% | 6% | 8% | 5% |
| Lichtech | LET60, LET60-BF | ELV | 1 | | 4% | 6% | 6% | 5% | 5% | 5% | 5% | 5% | 4% | 5% | 6% | 5% |
| Lichtech | LET60 LW | ELV | 1 | | 5% | 9% | 6% | 6% | 5% | 5% | 5% | 5% | 0% | 6% | 6% | 5% |
| Lichtech | LET75 | ELV | 1 | | 4% | 6% | 5% | 4% | 4% | 5% | 5% | 4% | 4% | 4% | 5% | 5% |

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 this Revision

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