

# 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