

SORAA MR16 12V 7.5W & 9W - DIMMER/TRANSFORMER COMPATIBILITY - International

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

230V PHASE-DIMMABLE ELECTRONIC TRANSFORMERS WITH PHASE DIMMERS																	
Transformer Manufacturer ↓	Transformer Model ↓	Transformer Type ↓	Number of lamps per transformer ↓	Dimmer →	Large multichannel dimmers							Small dimmers, wall rotary dimmers					
					Dynalite (Philips) DGLDIM401 (TE)	Helvar Dig'dim 452 (TE)	Helvar 454 (TE)	Lutron Grafik Eye QS QSGR (LE)	Lutron Grafik Eye QS QSGR + ELVI (TE)	Lutron QSNE-4A-D (LE) LQSE-4A-D (LE)	Lutron QSNE-4A-D (TE) LQSE-4A-D (TE)	Mode Lighting Evolution(trailing edge card)	Clipsal 32E450UDIM (TE)	Jung 225 TDE (LE)	IMK K1526 (LE)	Rako RMT500 (TE)	Varilight V-PRO JQP401W (TE)
AcTec	Ultra 70	Electronic	1		9%	7%	20%	NC	6%		4%			21%	NC	4%	9%
BLV	Luxia 60W 45600101	Electronic	1		7%	5%	16%	2%	6%		3%			22%	NC	2%	2%
BLV	Luxia 105W 45600201 (*)	Electronic	1		12%	3%	4%	4%	4%		4%	1%		20%		0%	0%
Emcolite	EMRED60	Electronic	1							NC	5%						
Govena	YT50	Electronic	1		NC	6%	22%	2%	6%		4%			21%	NC	4%	8%
Govena	YT60	Electronic	1		7%	5%	16%	2%	6%		3%			22%	NC	2%	2%
Hatch	RS12-60M-LED-230V (*)	Electronic	1		9%	4%	6%	5%	6%		6%	6%		NC		6%	3%
Lightech	LET75	Electronic	1		NC	NC	NC	NC	7%		6%			22%	NC	NC	22%
Mode Lighting	ET-040-PL-230-RD (PUMA LED) (*)	Electronic	1		10%	2%	4%	3%	5%		4%	3%		19%		3%	1%
Mode Lighting	MOE-050-D-240 (*)	Electronic	1		18%	5%	6%	3%	5%		4%	4%		NC		6%	NC
Osram	ET-LED 30	Electronic	1		7%	5%	8%	0%	4%		3%			22%	NC	3%	0%
Osram	HTM 70/230-240	Electronic	1		6%	16%	11%	NC	5%		5%			26%	NC	4%	1%
Osram	HTM 105/230-240	Electronic	1		8%	2%	6%	26%	5%		4%	6%		6%		4%	5%
Philips	Certaline 60W (*)	Electronic	2		10%	2%	3%	3%	4%		3%	4%		25%		3%	28%
Philips	Certaline 105W (*)	Electronic	3		11%	3%	2%	3%	4%		3%	3%		14%		3%	30%
Truelux	PH12VLN (*)	Electronic	1		NC	6%	22%	2%	6%		4%	4%	29%	21%	NC	4%	8%
Varilight	YT50	Electronic	1		NC	6%	22%	2%	6%		4%			21%	NC	4%	8%
Varilight	YT50LZ	Electronic	1		7%	6%	15%	2%	5%		3%			21%	NC	5%	0%
Varilight	YT105L (*)	Electronic	1									2%					
Verbatim	V70 (#52900) (*)	Electronic	1		14%	4%	4%	NC	5%		6%	4%		25%		4%	0%

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230V MAGNETIC TRANSFORMERS WITH PHASE DIMMERS									
Transformer Manufacturer ↓	Transformer Model ↓	Transformer Type ↓	Number of lamps per transformer ←	Dimmer →	Lutron Grafik Eye QS QSGR-6PCE	Lutron QSNE-4A-D (Leading edge)	Lutron LP-RPM-4U-240 (leading edge)	Panasonic WEG57813	Philips Dynalite DGLM402
GATA (220V)	T50/209.23 (*)	Magnetic	1		10%	9%	NC	NC	29%
			2		11%	11%	NC	NC	23%
			3		15%	15%	10%	NC	18%

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230V NON PHASE DIMMABLE TRANSFORMERS, WITH DIFFERENT CONTROLS								
Transformer Manufacturer ↓	Transformer Model ↓	Controllers, Potentiometer, PWM dimmers -->	Number of lamps per transformer ←	DALI Controller	0 / 1-10V	Potentiometer	12V DC PWM dimmers	
							Dalcnret DLB1248-1CV-DALI	Heivar LL1-CV-DA DALI
International								
12V DC POWER SUPPLY	12V DC	Electronic/DC	1				0%	NC
ECOPAC	ELED-100-12D (*)	Electronic/DC	1	0%				
ECOPAC	ELED-180-12D (*)	Electronic/DC	1	0%				
eldoLED	LINEARdrive 100A	Electronic/DC	1	NC	NC	NC		
Fulham	T1M1UNV012V-20L	Electronic/DC	1		0%			
LCI	DC DIM 1-10V 35W Code 1750129	Electronic/DC	1		1%			
Meanwell	PWM-90-12 (300Hz version) (*)	Electronic/DC	1		11%	0%		
Meanwell	PWM-120-12 (300Hz version) (*)	Electronic/DC	1		11%	0%		
Quanzhou Smarts Electronic & Technology Co	SMT-012-030VM	Electronic/DC	1	0%				
TCI	DC LED 12V EFUR (Cod 122321)	Electronic/DC	1		7%			
Truelux	AN12VPWM	Electronic/DC	1		0%	0%		
Truelux	AN12VPWM10 (*)	Electronic/DC	1		1%			
Truelux	DA12VPWM10	Electronic/DC	1	1%				
Truelux	DA12VPWM	Electronic/DC	1	0%				

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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 F

--%	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