

Operation of LV LED Retrofit Lamps Reflector MR16 GU5.3 with different Transformers



Legend:	green	works very well (without any problem)
	yellow	works quite well (flickering possible)
	red	does not really work (flickering and/or less light possible and likely)
	white / other	not tested



ET: electronic tranformer
HT: Halotronic
OT: Optotronic

Manufacturer	Tranformer-Type, Model	Type	Mains voltage	Load Range [W]	MR16 Star 35	MR16 Essence 35	MR16 Star 43	MR16 Essence 50
					43920124	43420567	43920126	44020228
					43920125	43920154	43720054	43819757
						43819756	43719737	43819758
					no. of lamps	no. of lamps	no. of lamps	no. of lamps
OSRAM	HTM 70/230-240	ET	230-240, 50-60Hz	20-70W	1-4	1-2 & 4-6	1-4	1-4
OSRAM	HTM 105/230-240	ET	230-240, 50-60Hz	35-105W	1-4	1-6	1-4	1-4
OSRAM	ET-Parrot 70/220-240 I	ET APAC	220-240, 50-60Hz	20-70W	1-4		1-4	1-4
OSRAM	ET-Parrot 105/220-240 I	ET	220-240, 50-60Hz	35-105W	1-4		1-4	1-4
OSRAM	ET-A 60/220-240	ET APAC	220-240, 50-60Hz	20-60W	1-4		1-4	1-4
OSRAM	ET-L 30/220-240	ET APAC	220-240, 50-60Hz	2-30W	1-3		1-3	1-3
OSRAM	HTB 70/220-240	ET	220-240, 50-60Hz	20-70W	1-4	1-6	1-4	1-4
OSRAM	HALOTRNIC HTN75/230-240 I	ET	230-240, 50-60Hz	20-75W	1-4	5	1-4	1-4
OSRAM	HTM 150/230-240	ET	230-240, 50-60Hz	50-150W	2-4	1-6	2-4	2-4
OSRAM	HTL105/230-240	ET	230-240, 50-60Hz	35-105W	3-4	1-6	3-4	3-4
OSRAM	IZ-A50/240	ET India	240,50-60Hz	50W	1-4		1-4	1-4
OSRAM	IZ-HALD50/220-240	ET APAC	220-240, 50-60Hz	20-50W	1-4		1-4	1-4
OSRAM	HTB 105/220-240	ET	220-240, 50-60Hz	35-105W	1-4	1-6	1-4	1-4
OSRAM	ET-Parrot 150/220-240 I	ET	220-240, 50-60Hz	50-150W	2-4	1-6	2-4	2-4
OSRAM	ET-ZE 60/220-240	ET	220-240, 50-60Hz	20-60W	1-4	1-6	1-4	1-4
OSRAM	HTL225	ET	220-240,50-60Hz	50-225W	2-4	1-6	2-4	2-4
OSRAM	OT 15/220-240/12 P	OT	220-240,50-60Hz	15W		1-5		
OSRAM	OT 30/220-240/12 P	OT	220-240,50-60Hz	30W	1-3	1-6	1-3	1-3
OSRAM	OT 60/220-240/ 12 P	OT	220-240,50-60Hz	60W	1-4	1-6	1-4	1-4
abi	SET210(50-210VA) AL50476	ET	220-240V, 50Hz	50-210VA	1-4	1-6	1-4	1-4
Berker	Igel 20-105w 2921	ET	230-240,50-60Hz	20-105W	1-4	4-6	1-4	1-4
Berker	SNT 70/QU 2918	ET	230,50-60Hz	20-70W	1-4	2-6	1-4	1-4
Berker	SNTF II 35-105W 2927	ET	230,50-60Hz	35-105W	2-4	2-6	2-4	2-4
BLOCK	HES 70K	ET	230-240,50-60Hz	20-70W		1-6		
BLOCK	HES 105K	ET	230-240,50-60Hz	35-105W	1-4	6	1-4	1-4
EVN	TAB 70 (3310)	ET	230,50-60Hz	20-70W	2-4	1-6	2-4	2-4
EVN	MINIJOKER 70(T27/10)	ET	230-240,50-60Hz	10-60W		1-6		
EVN	CLOU 60(T41/09)	ET	230-240,50-60Hz	10-70W	1-4	1-6	1-4	1-4
FN LIGHT	TL105S 20-105W 461107	ET	230-240,50-60Hz	20-105W	1-4	1-6	1-4	1-4
goodbay	SET110LV(35-110W)	ET	220-240,50Hz	35-110W	1-4	2-6	1-4	1-4
JUNG	SNT 70 F	ET	230,50-60Hz	20-70W	1-4	1-6	1-4	1-4
JUNG	SNT 105 F	ET	230,50-60Hz	20-105W	1-4	1-6	1-4	1-4
nobile	EN-80F	ET	230,50-60Hz	20-80W	2-4	1-6	2-4	2-4
nobile	EN-60D2	ET	230,50-60Hz	20-60W	2-4	1-6	2-4	2-4
Paulmann	Disc electronic S 70	ET	230,50-60Hz	20-70W	no	1-6	no	no
Paulmann	Profi 80	ET	220-240,50Hz	20-80W	2-4	2-6	2-4	2-4
Paulmann	Mipro 70	ET	230,50-60Hz	20-70W	2-4	3-6	2-4	2-4
PHILIPS	Primaline 70 230-240	ET	230-240,50-60Hz	20-70W	2-4	1-4	2-4	2-4
SLV	461060	ET	230,50-60Hz	10-60W	1-4	1-6	1-4	1-4
TCI	SHARK60	EU	220-240,50-60Hz	10-60W		1-6		
TCI	PUMA 105	EU	230-240,50-60Hz	20-105W		1-6		
TCI	ROUND 70	EU	230,50-60Hz	20-70W		1-6		
TCI	MW70 LED	ET	220-240,50-60Hz	10-60W	1-4		1-4	1-4

Typical values. Test performed with regarded lamps named.

The test results reflect the measurement of the individual devices that were used in tests.

Radium does not take over any responsibility, warranty or liability that this results can also be achieved by using the devices under other conditions or when using successor models of the tested devices or different models of the same manufacturer.

The test results were achieved by using the above mentioned LED-lamp types.

Due to the big number of electronic components and many other influence factors noise can emerge in unfavourable conditons, which may be well audible in the case of resonance.

Radium does not take over any responsibility, warranty or liability that these results can also be achieved by using the devices under other conditions or when using other LED-lamp types. Installation and operational notes are to be observed.

Changes, errors and omissions excepted.