



PARATHOM® Dimmer Compatibility

Limited Dimming Range
(less than 80%)

Full Dimming Range
(more than 80%)

For max. number of lamps on a dimmer please use the rule of thumb:

$$\frac{\text{Max load of dimmer}}{\text{equivalent wattage (HAL/GLS)}} = \text{max. number of lamps}$$

PARATHOM PAR 16 35 35° adv	PARATHOM PAR 16 20 36° adv	PARATHOM PAR 16 35 35° adv	PARATHOM PAR 16 35 36° adv	PARATHOM PAR 16 50 35° adv	PARATHOM PAR 16 50 36° adv	PARATHOM MR 16 20 36° adv	PARATHOM MR 16 20 36°/24° adv	PARATHOM MR 16 35 36°/24° *	PARATHOM M PAR30 100 30°	PARATHOM PAR38 120 30°
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40083219 75379	40083218 81816	40083219 91287	40083218 81960	40083219 91324	40083218 82097	40083216 82611	40083218 84695	40083218 84985	40528991 05829	405289910 5669
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		40083219 91300	40083218 82035	40083219 91348	40083218 82127	40083216 82574	40083218 84923	40083218 85135		
			40083218 82066		40083218 82158		40083218 84756	40083218 85166		
							40083218 84954	40083218 85197		

Brand	Model	Load Range [W]	Type	40083219	40083218	40083219	40083218	40083219	40083218	40083216	40083218	40083218	40528991	405289910
Busch	6519U	40-550	T	3 - 100	6 - 100	5 - 99	5 - 99	5 - 99	6 - 100	27 - 100			15 - 95	
Busch	6591 U-101		L			5 - 99			6 - 100					
Cat 400T	HPM		T											
Clipsal	32V 500 Series		L		0 - 100			0 - 100					0 - 95	5 - 90
Clipsal	32E450T		T		5 - 100									
Clipsal	32E 450TM		T					4 - 99		15 - 95				
Clipsal	32E450LM		L					5 - 99						
Clipsal	E30 (32V500M)		L		0 - 100			0 - 100					0 - 95	0 - 95
Conrad	T46	20-315	L	4 - 75	11 - 100			10 - 100					15 - 95	20 - 90
Conrad	624000-BP	40-250	L											
Düwi	DW700DA	50-300	L											
Düwi	H1 53845		L											
ELSO	174120		L		15 - 100		12-94		12 - 100					
ELSO	174100		L											
ELSO	ATD315 (174200)	20-500	L	2 - 93		0 - 100		0 - 100					5 - 95	10 - 90
ELSO	T30	60-400	L	16 - 100		10 - 100		10 - 100						
EVERFLOU RISH	EF0700DC	50-300	T	4 - 92		9 - 100		8 - 100			46 - 99		15 - 100	20 - 90
EVERFLOU RISH	EF0700DA		L	18 - 100		10 - 100		9 - 99						
EVERFLOU RISH	EFM700DC	50-300	T	2 - 92							51 - 100	43 - 99	15 - 90	15 - 80

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PARATHOM PARATHOM PARATHOM PARATHOM PARATHOM PARATHOM PARATHOM PARATHOM PARATHOM PARATHOM
PAR 16 35 PAR 16 20 PAR 16 35 PAR 16 35 PAR 16 50 PAR 16 50 MR 16 20 MR 16 20 MR 16 35 PAR30 100 PAR38 120
35° adv 36° adv 35° adv 36° adv 35° adv 36° adv 36° adv 36°/24° adv 36°/24° 30° 30°
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40083219	40083218	40083219	40083218	40083219	40083218	40083216	40083218	40083218	40528991	40528991
75379	81816	91287	81960	91324	82097	82611	84695	84985	05829	05669
		40083219	40083218	40083219	40083218	40083216	40083218	40083218		
		91300	82035	91348	82127	82574	84923	85135		
			40083218		40083218		40083218	40083218		
			82066		82158		84756	85166		
							40083218	40083218		
							84954	85197		

Brand	Model	Load Range [W]	Type	1	2	3	4	5	6	7	8	9	10	11	12
EVERFLO	EFM700		L	16 - 100		11 - 100		12 - 100						10 - 100	15 - 95
URISH	DB														
EVERFLO	EF700DC 20-300		T										15 - 95		
GA	030000		L			0 - 99		0 - 99							
Gira	030000/101		U										1 - 100		
Gira	030700/101	60-400W	L		4 - 100		4 - 99		5 - 99					0 - 95	0 - 95
Gira	030700/102	20-525	T		4 - 99	3 - 100	4 - 99	3 - 100	5 - 100		26 - 99			10 - 95	10 - 95
Gira	030700F		T												
HAGER	WUD43		U												
HE	He T10		L			0 - 100		0 - 100							
HE	T46 20-315		T									25 - 100	15 - 95	20 - 95	
Honyar	KT150		L			11 - 99		13 - 100					15 - 95	20 - 95	
Jung	225 NV DE	20-500	L		2 - 100	9 - 99	4 - 100	11 - 99	5 - 100					10 - 100	15 - 95
Jung	225TDE		T			5 - 99		4 - 99			26 - 99		10 - 95	15 - 90	
Jung	244020300	60-400W	L		0 - 100		0 - 98		0 - 100						
Jung	254 UDIE 1		U				9 - 99		10 - 100						
Kopp	80,78	20-275W	T		2 - 100	6 - 100	4 - 99	7 - 100	5 - 100	10 - 95				15 - 100	20 - 90



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		PARATHOM PAR 16 35 35° adv	PARATHOM PAR 16 20 36° adv	PARATHOM PAR 16 35 35° adv	PARATHOM PAR 16 35 36° adv	PARATHOM PAR 16 50 35° adv	PARATHOM PAR 16 50 36° adv	PARATHOM MR 16 20 36° adv	PARATHOM MR 16 20 36°/24° adv	PARATHOM MR 16 35 36°/24° *	PARATHOM PAR30 100 30°	PARATHOM PAR38 120 30°					
		400832197 5379	400832188 1816	400832199 1287	400832188 1960	400832199 1324	400832188 2097	400832168 2611	400832188 4695	400832188 4985	405289910 5829	405289910 5669					
				400832199 1300	400832188 2035	400832199 1348	400832188 2127	400832168 2574	400832188 4923	400832188 5135							
				400832188 2066			400832188 2158		400832188 4756	400832188 5166							
									400832188 4954	400832188 5197							
Brand	Model	Load Range [W]	Type														
Kopp	8072.000	0.7	T														
Kopp	80,33	L		18 – 99	13 – 100	14 – 99	15 – 100	14 - 100					15 – 95	20 – 90			
Legrand	775903	420VA	T	3 – 75			2 – 95			1 – 100			17 - 100	14 - 100	10 – 95	10 – 85	
Lichtregler	he T10	60-300	L			13 - 99			12 – 99							10 – 90	20 – 85
Lichtregler	he T39.01	L				2 – 99			12 – 99							10 – 90	15 – 85
Merten	5771-99	20-315	T	8 – 93	9 – 93	8 – 100	8 – 91	8 – 94	9 - 93	15 - 100	53 - 100			15 – 95	20 – 90		
Merten	5771 20-315T	T															
Merten	5724	60-400	T														
OSRAM	Hti DALI 315	T										15 - 90					
OSRAM	MCU TE 250 (A6378000 055)	T										5 – 85	5 – 75				
Peha	434	L		5 – 100			3 – 100			2 – 100							
Peha	433 HAB	L				6 – 90			5 – 82	6 - 85					10 – 90	15 – 85	
Peha	T 5H 250V	L															
Peha	B80.433V	L		6 – 100			18 – 99			7 – 100					15 – 100	25 – 90	
Pera/HE	He T46	T															
Pera/HE	he T39.01	L		16 - 100			12 – 99			3 – 99							
Schneider	174200	T										2 - 100	5 – 100	5 – 90			
Schneider	STD400T RC/RL	20-400	U														



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Please Note:

- The recommended list is based upon testing conducted by the manufacturer in a lab simulated environment, and the results can vary in certain field applications due to a number of factors. OSRAM does not take over any responsibility, warranty or liability that this results can also achieved by using the devices under other conditions or when using other LED lamp types
- The absence of a dimmer from this chart does not necessarily imply incompatibility.
- Please reference the dimmer manufacturer's instructions for installation.
- LED lamps contain several electronic components. Under unfavourable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the lamp holder and the luminaire (acoustic resonance effect) as well as the dimmer or the transformer (harmonics or electronic resonance).
- Subject to change without notice
- Errors and omission excepted
- Always make sure to use the most recent release

Application Notes:

- For best dimming results trailing edge dimmer type is recommended.
- Trailing edge type dimmer required the neutral wire for installation.