

DIMMER COMPATIBILITY OFFICE LINE

1. HOW CAN I READ THE FOLLOWING CHARTS?

Legend:
Information about the dimmability of the lamps. Green means very good dimmability, yellow means limited dimmability, red means undesired dimmability etc.

List of dimmers tested in laboratory conditions

Legend					SUPERSTAR							
					PAR16 35 36*	PAR16 50 36*	PAR16 80 36*	PAR16 80 120*				
Very good dimmability with indicated number of lamps (dimming range greater than 75%)												
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)												
Undesired dimmability												
Not relevant												
Not tested												
Dimmer					EAN/Basic Code							
Brand	Model	Voltage range	Power	Type	4052839330153/AC01184 4052839330157/AC01192	4052839330179/AC01187 4052839330195/AC01194	4052839330218/AB41905 4052839330232/AB41906	4058075036888/AC03043 4058075036825/AC03051				
					Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range
ABB	STD 50-3	230/50Hz	60-500	L	1-20	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%
Altenburger Electronic	50.30	230/50Hz	15-350	T	2-20	98% - 15%	2-20	97% - 12%	2-20	98% - 16%	2-20	98% - 16%
AUFORA	DSP 400	230/50Hz	400	L	1-10	98% - 15%	2-10	97% - 1%	1-4	96% - 1%	2-4	96% - 1%
Berker	2861	230/50Hz	50-420	U	1-20	98% - 27%	1-20	98% - 26%	1-20	97% - 27%	1-20	97% - 27%
Blicino	LANN1441N	230/50Hz			1-15	98% - 1%	1-10	97% - 5%	1-6	94% - 7%	1-6	94% - 7%
Blicino	LANN14408	230/50Hz			2-20	98% - 1%	2-9	98% - 1%	1-6	97% - 9%	1-6	97% - 9%
Blicino	NT4402N	230/50Hz	500	R	3-19	99% - 19%	2-12	97% - 19%	1-8	95% - 22%	1-8	95% - 22%
Busch-Jaeger	6513 U-102	230/50Hz	40-420	T	2-20	99% - 15%	2-20	98% - 17%	2-20	98% - 21%	2-20	98% - 21%
Busch-Jaeger	6526 U	230/50Hz	60-600	L	1-10	96% - 22%	1-10	97% - 26%				
Busch-Jaeger	2250 U	230/50Hz			1-10	98% - 34%	1-10	97% - 35%	1-5	97% - 15%	1-5	97% - 15%
Busch-Jaeger	6526 U	230/50Hz			1-13	98% - 15%	1-10	98% - 20%	1-8	97% - 23%	1-8	97% - 23%
Busch-Jaeger	2247 U-500	230/50Hz			2-13	98% - 1%	1-10	98% - 5%	1-6	97% - 9%	1-6	97% - 9%
CENTURY CONTROL	MULTI DIMMER	230/50Hz	60-600	L	1-11	98% - 1%	1-10	98% - 1%	1-5	99% - 7%	1-5	99% - 7%
DINJY	RE ELTLE1	230/50Hz	400	LED	1-10	98% - 1%	1-10	98% - 1%	1-4	97% - 1%	1-4	97% - 1%
ELKO	400GLI	230/50Hz			1-10	98% - 1%	1-10	98% - 1%	1-4	97% - 1%	1-4	97% - 1%
ELKO	315GLE	230/50Hz	20-315	T	2-20	98% - 6%	1-20	98% - 7%	1-20	97% - 10%	1-20	97% - 10%
ELKO	600GLI	230/50Hz	40-600	U	1-20	98% - 1%	1-13	97% - 1%	1-8	96% - 1%	1-8	96% - 1%
ELKO	420GLEI	230/50Hz	40-420	U	1-14	98% - 1%	1-13	97% - 4%	1-10	97% - 19%	1-10	97% - 19%

Information about the OSRAM lamp type









































Assessment of the results into categories. Includes the number of lamps and the related dimming range

DIMMER KOMPATIBILITÄT OFFICE LINE

1. WIE LESE ICH DIE FOLGENDEN TABELLEN?

Legende: Angaben zur Dimmbarkeit der Lampen. Grün bedeutet eine sehr gute Dimmbarkeit mit der angegebenen Lampenanzahl, gelb bedeutet eine eingeschränkte Dimmbarkeit, rot bedeutet, dass unerwünschtes dimmverhalten auftreten kann etc.


Liste der getesteten Dimmer

Legend					SUPERSTAR PAR16 35 36*				SUPERSTAR PAR16 50 36*				SUPERSTAR PAR16 80 36*				SUPERSTAR PAR16 80 120*			
Very good dimmability with indicated number of lamps (dimming range greater than 75%)																				
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)																				
Undesired dimmability																				
Not relevant																				
Not tested																				
EAN/Basic Code					4052833301533AC01184		4052833301533AC01182		4052833301533AC01194		405283330218A41306		405283330218A41305		4058075036888AC03049		4058075036888AC03049		4058075036888AC03051	
Dimmer					Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range
ABB	STD 50-3	230V50Hz	60-500	L	1-20	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%	1-8	97% - 23%	1-8	97% - 23%	1-8	97% - 23%	1-8	97% - 23%
Altenburger Electronic	50_30	230V50Hz	15-350	T	2-20	98% - 15%	2-20	97% - 12%	2-20	98% - 16%	2-20	98% - 16%	2-20	98% - 16%	2-20	98% - 16%	2-20	98% - 16%	2-20	98% - 16%
ALPORA	DSP 400	230V50Hz	400	L	1-10	98% - 15%	2-10	97% - 1%	1-4	96% - 1%	1-4	96% - 1%	1-4	96% - 1%	1-4	96% - 1%	1-4	96% - 1%	1-4	96% - 1%
Berker	2861	230V50Hz	50-420	U	1-20	98% - 27%	1-20	98% - 26%	1-4	97% - 27%	1-20	97% - 27%	1-20	97% - 27%	1-20	97% - 27%	1-20	97% - 27%	1-20	97% - 27%
Blicino	L/NNT441N	230V50Hz			1-15	98% - 1%	1-10	97% - 5%	1-6	94% - 7%	1-6	94% - 7%	1-6	94% - 7%	1-6	94% - 7%	1-6	94% - 7%	1-6	94% - 7%
Blicino	L/NNT4408	230V50Hz	40-420	T	2-20	98% - 1%	2-9	98% - 1%	1-6	97% - 9%	1-6	97% - 9%	1-6	97% - 9%	1-6	97% - 9%	1-6	97% - 9%	1-6	97% - 9%
Blicino	NT4402N	230V50Hz	500	R	3-19	93% - 13%	2-12	97% - 13%	1-8	95% - 22%	1-8	95% - 22%	1-8	95% - 22%	1-8	95% - 22%	1-8	95% - 22%	1-8	95% - 22%
Busch-Jaeger	6513 U-102	230V50Hz	40-420	T	2-20	93% - 15%	2-20	98% - 17%	2-20	98% - 21%	2-20	98% - 21%	2-20	98% - 21%	2-20	98% - 21%	2-20	98% - 21%	2-20	98% - 21%
Busch-Jaeger	6523 U-102	230V50Hz	420	T	1-10	96% - 22%	1-10	97% - 26%	1-9	97% - 15%	1-9	97% - 15%	1-9	97% - 15%	1-9	97% - 15%	1-9	97% - 15%	1-9	97% - 15%
Busch-Jaeger	2250 U	230V50Hz	60-600	L	1-10	98% - 22%	2-14	98% - 16%	1-5	97% - 15%	1-5	97% - 15%	1-5	97% - 15%	1-5	97% - 15%	1-5	97% - 15%	1-5	97% - 15%
Busch-Jaeger	6526 U	230V50Hz			1-13	98% - 34%	1-10	97% - 35%	1-8	97% - 23%	1-8	97% - 23%	1-8	97% - 23%	1-8	97% - 23%	1-8	97% - 23%	1-8	97% - 23%
Busch-Jaeger	2247 U-500	230V50Hz			1-20	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%	1-8	97% - 23%	1-8	97% - 23%	1-8	97% - 23%	1-8	97% - 23%
CENTURY CONTROL	MULTI DIMMER	230V50Hz	60-600	L	2-13	98% - 1%	1-10	98% - 5%	1-6	97% - 9%	1-6	97% - 9%	1-6	97% - 9%	1-6	97% - 9%	1-6	97% - 9%	1-6	97% - 9%
DINJY	RE EL1LE1	230V50Hz	400	LED	1-11	98% - 1%	1-10	99% - 1%	1-5	99% - 7%	1-5	99% - 7%	1-5	99% - 7%	1-5	99% - 7%	1-5	99% - 7%	1-5	99% - 7%
ELKO	400GLE	230V50Hz			1-10	98% - 1%	1-10	97% - 1%	1-4	97% - 1%	1-4	97% - 1%	1-4	97% - 1%	1-4	97% - 1%	1-4	97% - 1%	1-4	97% - 1%
ELKO	316GLE	230V50Hz	20-315	T	2-20	98% - 6%	1-20	98% - 7%	1-20	97% - 10%	1-20	97% - 10%	1-20	97% - 10%	1-20	97% - 10%	1-20	97% - 10%	1-20	97% - 10%
ELKO	600GLE	230V50Hz	40-600	U	1-20	98% - 1%	1-13	97% - 1%	1-8	96% - 1%	1-8	96% - 1%	1-8	96% - 1%	1-8	96% - 1%	1-8	96% - 1%	1-8	96% - 1%
ELKO	420GLE/I	230V50Hz	40-420	U	1-14	98% - 1%	1-13	97% - 4%	1-10	97% - 19%	1-10	97% - 19%	1-10	97% - 19%	1-10	97% - 19%	1-10	97% - 19%	1-10	97% - 19%


Angaben zum OSRAM Lampentyp

Bewertung der Testergebnisse in Ampel Kategorien. Beinhaltet sowohl die Lampenanzahl als auch den dimmbaren Bereich


DIMMER COMPATIBILITY OFFICE LINE

Legend					Office Line Sub 1.2m 40W	
Good dimmability with indicated number of lamps (dimming range greater than 75%)						
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
					EAN / Basic Code	
					4058075843653 / AC62140 4058075843677 / AC62141	
Dimmer					Dimming range	Dimming range
Brand	Model	Voltage range	Power	Type	1 Lamp	4 Lamps
ABB	STD 50-3	230/50Hz	60-500	L	100-26%	100-31%
Altenburger	50,3	230/50Hz			100-35%	100-36%
AURORA	DSP 400	230/50Hz	400	L	100-21%	100-20%
Berker	2861	230/50Hz	50-420	U	98-47%	100-51%
Bticino	L/N/NT4411 N HC/HD/HS44 11	230/50Hz			97-21%	99-24%
bticino	NT4402N	230/50Hz	500	R		
Busch-Jaeger	6523 U-102	230/50Hz	40-420	T	88-23%	96-29%
Busch-Jaeger	6513 U-102	230/50Hz	420	T	98-36%	92-31%
Busch-Jaeger	2250 U	230/50Hz	60-600	L	99-26%	100-35%
Busch-Jaeger	6526 U	230/50Hz			20-90%	25-90%
NTURY CONTMULTI DIMMEF		230/50Hz	60-600	U	91-19%	100-32%
DimMax	420 SL	230/50Hz	200	L/T	97-25%	100-26%
DINUY	RE EL1 LE1	230/50Hz	400	LED	96-17%	100-22%
ELKO	400GLI	230/50Hz			81-15%	91-25%
ELKO	315GLE	230/50Hz	20-315	T	100-26%	100-29%
ELKO	600GLE/I	230/50Hz			99-43%	100-30%
ELKO	420GLE/I	230/50Hz	40-420	U	100-22%	100-25%
ELKO	600GLi	230/50Hz	40-600	U	98-37%	100-29%
ELKO	1000LRI	230/50Hz			95-13%	100-19%
ELKO	630GLE	230/50Hz	20-630	U	98-39%	100-44%
Eltako	UD61NPN-UC	230/50Hz	5-400	R / L / C		100-42%
Feller	40600 RLC	230/50Hz	20-600	U	99-43%	100-30%
Feller	40600.RL	230/50Hz			98-37%	100-29%
Feller	40600.RC	230/50Hz			98-39%	100-44%
Feller	40420.RLC	230/50Hz			100-22%	100-25%
Feller	40200.LEDxxx	230/50Hz			98-40%	100-44%
Feller	31000	230/50Hz			95-13%	100-19%
Gira	030700	230/50Hz	20-525	T	100-39%	100-41%
Gira	226200	230/50Hz			99-25%	100-27%
Gira	117600	230/50Hz	50-420	U	20-85%	20-85%
Gira	217400	230/50Hz	4X20-250	KNX-U	15-95%	15-95%
Gira	238500	230/50Hz			10-90%	10-90%
Hager	WUD87	230/50Hz	400	LED-U	100-36%	100-37%

DIMMER COMPATIBILITY OFFICE LINE

Legend					Office Line Strip L.zm 40W 840	
Good dimmability with indicated number of lamps (dimming range greater than 75%)						
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
					EAN / Basic Code	
					4058075843653 / AC62140 4058075843677 / AC62141	
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type		
Hamilton	KP1X40	230/50Hz	400		100-23%	100-29%
Hugo Müller	adin 872110	230/50Hz			96-17%	100-22%
Jung	225 TDE	230/50Hz			100-39%	100-41%
Jung	225 NVDE	230/50Hz	20-500	L	99-25%	100-27%
Jung	1224 LEDUDE	230/50Hz		LED	10-90%	10-90%
Jung	254 UDIE1	230/50Hz			20-85%	20-85%
Jung	3904 REGHE	230/50Hz			15-95%	15-95%
Legrand	74319/57433	230/50Hz	400	U	97-21%	99-24%
Legrand	72239/57273	230/50Hz	400	U	97-21%	99-24%
Legrand	78407/07920	230/50Hz	400	U	97-21%	99-24%
Legrand	48869/04887	230/50Hz	400	U	97-21%	99-24%
Legrand	067083/048869	230/50Hz	400	U	97-21%	99-24%
Legrand	665114	230/50Hz	400	U	97-21%	99-24%
Legrand	770062	230/50Hz	400	RLC	100-25%	100-26%
Legrand	099314	230/50Hz	300	RL	0-90%	0-90%
MASTER	DM-DGL	230/50Hz	1000	U / LED	35-95%	35-95%
MASTER	DM-2500	230/50Hz	2500	U / LED		100-20%
Merten	4EG5136-000	230/50Hz			100-26%	100-29%
Merten	4EG 5170-030	230/50Hz	10-200	U	100-42%	100-44%
Merten	4EG5139-000	230/50Hz			99-43%	100-30%
Merten	4EG5138-000	230/50Hz			100-22%	100-25%
Merten	4EG5137-000	230/50Hz			98-39%	100-44%
Merten	4EG5134-000	230/50Hz			98-40%	100-44%
Merten	4EG5133-000	230/50Hz			98-37%	100-29%
Merten	MEG 5131	230/50Hz	40-400	L	100-17%	100-19%
Merten	MEG 5135	230/50Hz	60-1000	L	95-13%	100-19%
Merten	MEG 5132	230/50Hz			100-17%	100-19%
Merten	MEG 5140	230/50Hz	9-100	L	78-17%	84-20%
MK	K4501	230/50Hz	180	L	90-25%	100-33%
NEXUS	881P-01	230/50Hz	400	L	0-90%	0-90%
NIKO	0-019000190	230/50Hz	5-200	U	98-22%	100-26%
NIKO	0-007000070	230/50Hz	5-200	U	98-16%	100-20%
Odace	S520515	230/50Hz			100-22%	100-25%

DIMMER COMPATIBILITY OFFICE LINE

Legend					Office Line Slab 1.2m 40W 8.40	
Good dimmability with indicated number of lamps (dimming range greater than 75%)						
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)						
Undesired dimmability						
Not tested						
					EAN / Basic Code	
					4058075843653 / AC62 H0 4058075843677 / AC62 H1	
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type		
Odace	S520511	230/50Hz			98-37%	100-29%
Odace	S520512	230/50Hz			98-40%	100-44%
Odace	S520518	230/50Hz			78-17%	84-20%
Osram	Ti DALI 315 DII	230/50Hz	20-315	DALI-T	100-32%	100-35%
PEHA	435 HAN	230/50Hz	60-600	L	93-30%	100-32%
Schneider	400GLI	230/50Hz	40-400	T	81-15%	91-25%
Schneider	SBD315RC	230/50Hz			100-26%	100-29%
Schneider	SBD600RCRL	230/50Hz			99-43%	100-30%
Schneider	SBD420RCRL	230/50Hz			100-22%	100-25%
Schneider	SBD630RC	230/50Hz			98-39%	100-44%
Schneider	SBD200LED	230/50Hz	400		98-40%	100-44%
Schneider	SBD SPL	230/50Hz			78-17%	84-20%
Schneider	SBD600RL	230/50Hz			98-37%	100-29%
Schneider	5170	230/50Hz			100-42%	100-44%
Schneider	ATTD1000RL	230/50Hz			95-13%	100-19%
Schneider	SBD400RL	230/50Hz			100-17%	100-19%
Shuttle	IM-T-LED-500	230/50Hz	2-500	T & LED-T	94-25%	100-32%
Siemens	5TC8 284	230/50Hz	20-525	T	99-26%	100-27%
Siemens	VG1-528-1AB	230/50Hz	20-500	KNX-U		
theben	MAX 544 plus	230/50Hz	250	T	97-36%	94-36%
theben	IMAX 534 plu	230/50Hz	400	T		10-100%
VADSBO	LD 220	230/50Hz	1-200	U		
VARILIGHT	HQ3W	230/50Hz	400		100-24%	100-30%
VARILIGHT	JQP401W	230/50Hz	400	T	100-22%	100-21%
Vimar	20135	230/50Hz	3-100	U	97-46%	100-49%
ZANO	WH401	230/50Hz	400	L	100-19%	100-20%
ZANO	WH251	230/50Hz	250		100-19%	100-20%
ZANO	Z GRID 500	230/50Hz	500		92-10%	100-19%
Zano	Z GRID 700	230/50Hz	700		0-80%	0-80%

Please Note:

- The compatibility 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 successor models of the tested devices, or different models of the same manufacturer, 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 requires the neutral wire for installation.

Bitte beachten:

- Die Kompatibilitätsliste basiert auf Tests, die der Hersteller in einer im Labor simulierten Umgebung durchgeführt hat. Die Ergebnisse können aufgrund verschiedener Faktoren in manchen Praxisanwendungen abweichen. OSRAM übernimmt keinerlei Verantwortung, Garantie oder Haftung dafür, dass diese Ergebnisse tatsächlich mit den Geräten unter anderen Bedingungen, mit Nachfolgemodellen der getesteten Geräte, mit anderen Modellen desselben Herstellers oder bei Verwendung anderer LED-Lampentypen erreicht werden.
- Das Fehlen eines Dimmers in der Abbildung bedeutet nicht, dass ein Dimmer nicht kompatibel ist.
- Lesen Sie stets die Installationsanweisungen des Dimmerherstellers.
- LED-Lampen bestehen aus mehreren elektronischen Komponenten. Unter ungünstigen Bedingungen können diese Störgeräusche erzeugen. Im Resonanzfall können selbst geringe Geräusche einen hörbaren Effekt hervorrufen. Einflussfaktoren können die Installation, die Gestaltung des Lampenträgers, die Leuchte (akustischer Resonanzeffekt), der Dimmer oder der Trafo (Oberschwingungen oder elektronische Resonanz) sein.
- Änderungen vorbehalten.
- Irrtümer und Auslassungen vorbehalten.
- Vergewissern Sie sich, dass Sie stets die aktuellste Version benutzen.

Anwendungshinweis:

- Um bestmögliche Dimmergebnisse zu erzielen, wird die Verwendung von Phasenabschnitt-Dimmern empfohlen.
- Phasenabschnitt-Dimmer erfordern bei der Installation einen Neutralleiter.

LEDVANCE GmbH

Head Office:

Parkring 1-5
85748 Garching, Germany
Phone +49 89 780673-100
Fax +49 89 780673-XXX
www.ledvance.com