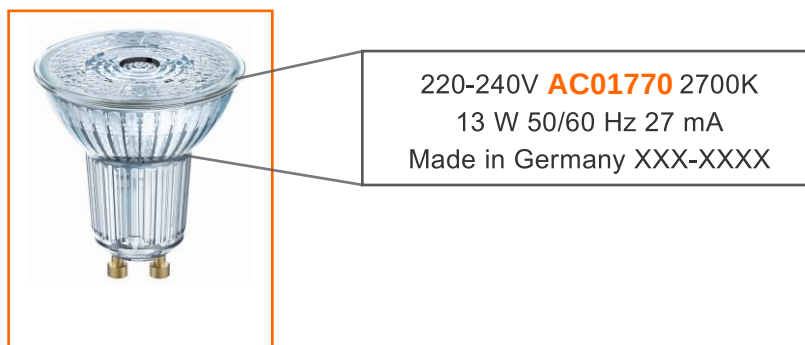


DIMMER COMPATIBILITY GLOWDIM

BASIC INFORMATION:

1. WHAT IS THE PRODUCT CODE AND WHERE DO I FIND IT?

The product code describes the lamp type. It contains 7 letters and digits and is starting with "A". Below an example for the product code of the stamp of the lamp:



2. 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				
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				
Brand	Model	Voltage range	Power	Type
ABB	STD 50-3	230V50Hz	60-500	L
Altenburger Electronic	50.30	230V50Hz	15-350	T
ALPORA	DSP 400	230V50Hz	400	L
Berker	2861	230V50Hz	50-420	U
Bticino	LNN1441N	230V50Hz		
Bticino	LNN14408	230V50Hz		
Bticino	NT4402N	230V50Hz	500	R
Busch-Jaeger	6513 U-102	230V50Hz	40-420	T
Busch-Jaeger	6523 U-102	230V50Hz	420	T
Busch-Jaeger	2250 U	230V50Hz	60-600	L
Busch-Jaeger	6526 U	230V50Hz		
Busch-Jaeger	2247 U-500	230V50Hz		
CENTURY CONTROL	MULTI DIMMER	230V50Hz	60-600	L
DINUY	RE EL1LE1	230V50Hz	400	LED
ELKO	400GLE	230V50Hz		
ELKO	315GLE	230V50Hz	20-315	T
ELKO	600GLE	230V50Hz	40-600	U
ELKO	420GLEI	230V50Hz	40-420	U

SUPERSTAR PAR16 35 36°		SUPERSTAR PAR16 50 36°		SUPERSTAR PAR16 80 36°		SUPERSTAR PAR16 80 120°	
							
EAN/Basic Code		EAN/Basic Code		EAN/Basic Code		EAN/Basic Code	
405283330153/AC01184		405283330178/AC01187		405283330218/AB41905		405807503688/AC03043	
405283330157/AC01192		405283330195/AC01194		405283330232/AB41906		405807503682/AC03051	
Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range	Number of Lamps	Dimming range
1-20	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%
2-20	98% - 15%	2-20	97% - 12%	2-20	98% - 16%	2-20	98% - 16%
1-10	98% - 15%	2-10	97% - 1%	1-4	96% - 1%	1-4	96% - 1%
1-20	98% - 27%	1-20	98% - 26%	1-20	97% - 27%	1-20	97% - 27%
1-15	98% - 1%	1-10	97% - 5%	1-6	94% - 7%	1-6	94% - 7%
2-20	98% - 1%	2-9	98% - 1%	1-6	97% - 9%	1-6	97% - 9%
3-19	99% - 19%	2-12	97% - 19%	1-8	95% - 22%	1-8	95% - 22%
2-20	99% - 15%	2-20	98% - 17%	2-20	98% - 21%	2-20	98% - 21%
1-10	96% - 22%	1-10	97% - 26%				
1-10	98% - 16%	2-14	98% - 16%	1-9	97% - 15%	1-9	97% - 15%
1-13	98% - 34%	1-10	97% - 35%	1-5		1-5	
1-20	98% - 15%	1-13	98% - 20%	1-8	97% - 23%	1-8	97% - 23%
2-13	98% - 1%	1-10	98% - 5%	1-6	97% - 9%	1-6	97% - 9%
1-11	98% - 1%	1-10	99% - 1%	1-5	99% - 7%	1-5	99% - 7%
1-10		1-10		1-4	97% - 1%	1-4	97% - 1%
2-20	98% - 6%	1-20	98% - 7%	1-20	97% - 10%	1-20	97% - 10%
1-20	98% - 1%	1-13	97% - 1%	1-8	96% - 1%	1-8	96% - 1%
1-14	98% - 1%	1-13	97% - 4%	1-10	97% - 19%	1-10	97% - 19%

Information about the OSRAM lamp type

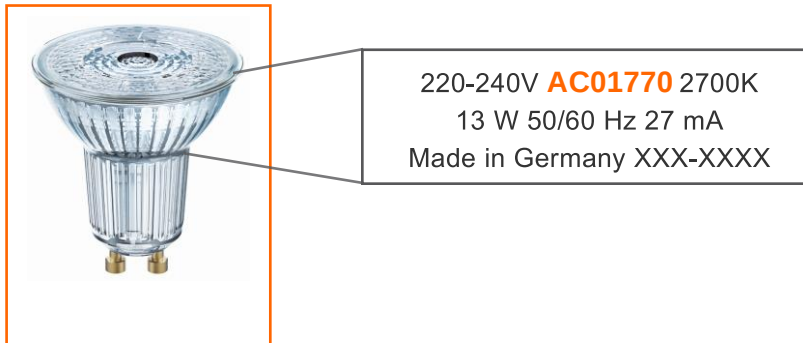
Assessment of the results into categories. Includes the number of lamps and the related dimming range

DIMMER KOMPATIBILITÄT GLOWDIM

BASISINFORMATIONEN:

1. WAS IST DER PRODUKTCODE UND WO FINDE ICH IHN?

Der Produktcode beschreibt den Lampentyp. Er besteht aus sieben Buchstaben und Ziffern und beginnt mit einem "A". Nachfolgend ein Beispiel eines Produktcodes auf dem Aufdruck der Lampe.



2. 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

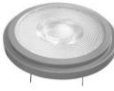
Legend				
	Very good dimmability with indicated number of lamps (dimming range greater than 75%)			
	Limited dimmability with indicated number of lamps (dimming range smaller than 75%)			
	Undesired dimmability			
	Not relevant			
	Not tested			

Dimmer					SUPERSTAR PAR16 35 36*		SUPERSTAR PAR16 50 36*		SUPERSTAR PAR16 80 36*		SUPERSTAR PAR16 120 120*		
Brand	Model	Voltage range	Power	Type									
					EAN/Basic Code	EAN/Basic Code	EAN/Basic Code	EAN/Basic Code					
					405289330132/AC0184	405289330170/AC0187	405289330210/AB4195	405289330210/AB4195	405289330132/AC0184	405289330170/AC0187	405289330210/AB4195	405289330210/AB4195	
					405289330132/AC0184	405289330170/AC0187	405289330210/AB4195	405289330210/AB4195	405289330132/AC0184	405289330170/AC0187	405289330210/AB4195	405289330210/AB4195	
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
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%
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%
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%
1-20	98%-27%	1-20	98%-26%	1-20	97%-27%	1-20	97%-27%	1-20	97%-27%	1-20	97%-27%	1-20	97%-27%
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%
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%
3-19	99%-19%	2-12	97%-19%	1-8	95%-22%	1-8	95%-22%	1-8	95%-22%	1-8	95%-22%	1-8	95%-22%
2-20	99%-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%
1-10	96%-22%	1-10	97%-26%										
1-10	98%-16%	2-14	98%-16%	1-9	97%-15%	1-9	97%-15%	1-9	97%-15%	1-9	97%-15%	1-9	97%-15%
1-13	98%-34%	1-10	97%-35%	1-5		1-5		1-5		1-5		1-5	
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%
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%
1-11	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%
1-10		1-10		1-4	97%-1%	1-4	97%-1%	1-4	97%-1%	1-4	97%-1%	1-4	97%-1%
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	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%
1-14	98%-1%	1-13	97%-4%	1-10	92%-19%	1-10	92%-19%	1-10	92%-19%	1-10	92%-19%	1-10	92%-19%

DIMMER COMPATIBILITY GLOWDIM

Legend					PAR16 50 36° GLD S	AR111 50 24° / 40° GD S G53		
	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	EAN / Basic Code		
					4099854071430 / AC32686	4099854048562 / AC45663 4099854048920 / AC45664		
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
ABB	STD 50-3	230/50Hz	60-500	L	96-6%	96-5%	80-13%	99-27%
Altenburger Electronic	50.3	230/50Hz			98-10%	95-6%		
AURORA	DSP400	230/50Hz	400	T	93-2%	94-2%	99-0%	99-0%
Berker	2861	230/50Hz	50-420	U	99-2%	97-2%	99-6%	99-19%
Bticino	L/N/NT4411N	230/50Hz			88-8%	90-8%	99-0%	99-0%
bticino	NT4402N	230/50Hz	500	R				
Busch-Jaeger	6523 U-102	230/50Hz	40-420	T	80-4%	86-4%	91-31%	99-46%
Busch-Jaeger	6513 U-102	230/50Hz	420	T	86-3%	88-4%	99-38%	99-28%
Busch-Jaeger	2250 U	230/50Hz	60-600	L				
Busch-Jaeger	6526 U	230/50Hz						
CENTURY CONTROL	MULTI DIMMER	230/50Hz	60-600	U	93-5%	94-3%	99-0%	99-0%
DimMax	420SL	230/50Hz	200	L/T	99-5%	96-2%	99-0%	99-3%
DINUVY	RE EL1 LE1	230/50Hz	400	LED	100-12%	99-14%	99-0%	99-0%
ELKO	400GLI	230/50Hz			85-8%	91-8%	60-0%	99-2%
ELKO	315GLE	230/50Hz	20-315	T	94-8%	94-8%	99-0%	99-0%
ELKO	600GLE/I	230/50Hz			92-2%	92-0%	99-0%	99-0%
ELKO	420GLE/I	230/50Hz	40-420	U	94-4%	92-4%	99-10%	99-4%
ELKO	600GLI	230/50Hz	40-600	U	99-8%	97-2%	99-12%	99-6%
ELKO	1000LRI	230/50Hz			97-11%	95-3%		99-0%
ELKO	630GLE	230/50Hz	20-630	U	99-8%	97-2%	99-12%	99-19%
Eltako	EUD61NPN-UC	230/50Hz	5-400	R / L / C	100-1%	100-0%	99-0%	
Feller	40600 RLC	230/50Hz	20-600	U	92-2%	92-0%	99-0%	99-0%
Feller	40600.RL	230/50Hz			99-8%	97-2%	99-12%	99-6%
Feller	40600.RC	230/50Hz			99-8%	97-2%	99-12%	99-19%
Feller	40420.RLC	230/50Hz			94-4%	92-4%	99-10%	99-4%
Feller	40200.LEDxxx	230/50Hz			98-8%	96-3%	99-3%	99-10%
Feller	31000	230/50Hz			97-11%	95-3%		99-0%
Gira	030700	230/50Hz	20-525	T	95-12%	96-11%	99-13%	99-16%
Gira	226200	230/50Hz			92-10%	92-10%	80-0%	99-0%
Gira	117600	230/50Hz	50-420	U	99-2%	97-0%	99-0%	99-0%
Gira	217400	230/50Hz	4X20-250	KNX-U	96-3%	95-3%	99-0%	99-19%
Hager	WUD87	230/50Hz	400	LED-U	96-3%	93-3%	99-19%	99-19%
Hamilton	KP1X40	230/50Hz	400		86-3%	87-1%		
Hugo Müller	paladin 872110 led	230/50Hz			100-12%	99-14%	99-0%	99-0%
Jung	225 TDE	230/50Hz			95-12%	96-11%	99-13%	99-16%
Jung	225 NVDE	230/50Hz	20-500	L	92-10%	92-10%	80-0%	99-0%
Jung	254 UDIE1	230/50Hz			99-2%	97-0%	99-0%	99-0%
Jung	3904 REGHE	230/50Hz			96-3%	95-3%	99-0%	99-19%
Jung	1224 LEDUCE	230/50Hz	3-100		99-4%	98-4%	99-0%	99-0%
Legrand	574319/574339	230/50Hz	400	U	88-8%	90-8%	99-0%	99-0%
Legrand	572239/572739	230/50Hz	400	U	88-8%	90-8%	99-0%	99-0%
Legrand	078407/079207	230/50Hz	400	U	88-8%	90-8%	99-0%	99-0%
Legrand	048869/048871	230/50Hz	400	U	88-8%	90-8%	99-0%	99-0%
Legrand	067083/048869	230/50Hz	400	U	88-8%	90-8%	99-0%	99-0%
Legrand	665114	230/50Hz	400	U	88-8%	90-8%	99-0%	99-0%
Legrand	770062	230/50Hz	400	RLC		96-0%	99-2%	99-1%
Legrand	099314	230/50Hz	300	RL	97-3%	98-2%	99-0%	99-0%
MASTER	DM-DGL	230/50Hz	1000	U / LED	100-11%	100-9%		
MASTER	DM-2500	230/50Hz	2500	U / LED			99-0%	99-0%
Merten	MEGS136-0000	230/50Hz			94-8%	94-8%	99-0%	99-0%

DIMMER COMPATIBILITY GLOWDIM

Legend					PAR16 50 36° GLD S	AR111 50 24° / 40° GD S G53		
	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		EAN / Basic Code	
					4099854071430 / AC32686		4099854048562 / AC45663 4099854048920 / AC45664	
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type				
Merten	MEG 5170-0300	230/50Hz	10-200	U			99-6%	99-6%
Merten	MEG5139-0000	230/50Hz			92-2%	92-0%	99-0%	99-0%
Merten	MEG5138-0000	230/50Hz			94-4%	92-4%	99-10%	99-4%
Merten	MEG5137-0000	230/50Hz			99-8%	97-2%	99-12%	99-19%
Merten	MEG5134-0000	230/50Hz			98-8%	96-3%	99-3%	99-10%
Merten	MEG5133-0000	230/50Hz			99-8%	97-2%	99-12%	99-6%
Merten	MEG 5131	230/50Hz	40-400	L	93-2%	93-4%	99-0%	99-0%
Merten	MEG 5135	230/50Hz	60-1000	L	100-1%	100-0%		99-0%
Merten	MEG 5132	230/50Hz			93-2%	93-4%	99-0%	99-0%
Merten	MEG 5140	230/50Hz	9-100	L	90-5%	91-5%	51-0%	99-0%
MK	K4501	230/50Hz	180	L	92-5%	93-2%	97-3%	99-4%
NEXUS	881P-01	230/50Hz	400	L	93-2%	97-1%	83-0%	99-0%
NIKO	310-0190001901	230/50Hz	5-200	U	100-2%	100-2%	99-1%	99-10%
NIKO	330-0070000701	230/50Hz	5-200	U	100-6%	100-5%	99-8%	99-8%
Odace	S520515	230/50Hz			94-4%	92-4%	99-10%	99-4%
Odace	S520511	230/50Hz			99-8%	97-2%	99-12%	99-6%
Odace	S520512	230/50Hz			98-8%	96-3%	99-3%	99-10%
Odace	S520518	230/50Hz			90-5%	91-5%	51-0%	99-0%
Osram	HTI DALI 315 DIM	230/50Hz	20-315	DALI-T		96-3%	99-0%	99-10%
PEHA	435 HAN	230/50Hz	60-600	L	90-7%	91-5%	99-0%	99-0%
Schneider	400GLI	230/50Hz	40-400	T	85-8%	91-8%	60-0%	99-2%
Schneider	SBD315RC	230/50Hz			94-8%	94-8%	99-0%	99-0%
Schneider	SBD600RCRL	230/50Hz			92-2%	92-0%	99-0%	99-0%
Schneider	SBD420RCRL	230/50Hz			94-4%	92-4%	99-10%	99-4%
Schneider	SBD630RC	230/50Hz			99-8%	97-2%	99-12%	99-19%
Schneider	SBD200LED	230/50Hz	400		98-8%	96-3%	99-3%	99-10%
Schneider	SBD5PL	230/50Hz			90-5%	91-5%	51-0%	99-0%
Schneider	SBD600RL	230/50Hz			99-8%	97-2%	99-12%	99-6%
Schneider	5170	230/50Hz					99-6%	99-6%
Schneider	ATTD1000RL	230/50Hz			97-11%	95-3%		99-0%
Schneider	SBD400RL	230/50Hz			93-2%	93-4%	99-0%	99-0%
Shuttle	SDIM-T-LED-500W	230/50Hz	2-500	T & LED-T	96-9%	93-10%	99-0%	99-0%
Siemens	5TC8 284	230/50Hz	20-525	T	92-14%	92-13%	99-16%	99-13%
Siemens	SWG1-527-1AB31	230/50Hz	20-500	KNX-U	97-11%	95-3%		99-0%
theben	DIMAX 544 plus P	230/50Hz	250	T			99-0%	99-15%
theben	DIMAX 534 plus	230/50Hz	400	T			99-0%	99-9%
VAD5BO	LD 220	230/50Hz	1-200	U	92-2%	96-4%		99-0%
VARILIGHT	HQ3W	230/50Hz	400		96-4%	97-1%	99-3%	99-2%
VARILIGHT	JQP401W	230/50Hz	400	T	100-11%	98-10%	87-6%	
Vimar	20135	230/50Hz	3 - 100	U	98-0%	98-0%		99-4%
ZANO	Z GRID 700	230/50Hz	250	LED	91-4%	88-3%		
ZANO	WH401	230/50Hz	400	L	97-2%	97-3%	86-0%	99-0%
ZANO	WH251	230/50Hz	250		99-3%	99-1%	83-0%	99-0%
ZANO	Z GRID 500	230/50Hz	500		96-3%	96-1%		99-0%

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.

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