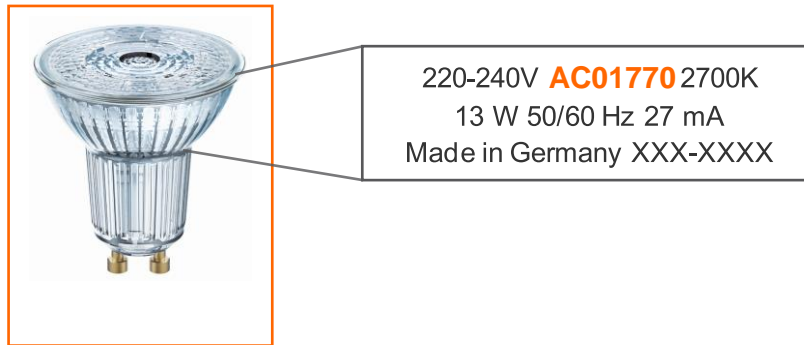


DIMMER COMPATIBILITY GlowDim

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 good dimmability, yellow means limited dimmability, red means undesired dimmability etc.

List of dimmers tested in laboratory conditions

Legend						PARATHOM PRO PAR16							
Good dimmability with indicated number of lamps (dimming range greater than 75%)						50 36°		80 36°		80 36°		80 60°	
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)													
Undesired dimmability						EAN / Basic Code		EAN / Basic Code		EAN / Basic Code		EAN / Basic Code	
Not tested						4058075448728 / AC24597		4058075449107 / AC24600		4058075449282 / AC24603		4058075449220 / AC24608	
						4058075448704 / AC24598		4058075449084 / AC24601		4058075449268 / AC24604		4058075449193 / AC24608	
						4058075448681 / AC24599		4058075449060 / AC24602		4058075449244 / AC24605		4058075449206 / AC24607	
Dimmer						Dimming range 1 Lamp		Dimming range 4 Lamps		Dimming range 1 Lamp		Dimming range 4 Lamps	
Brand	Model	Voltage range	Power	Type									
ABB	STD 50-3	230/50Hz	60-500	L	58-0%	57-0%	86-0%	74-0%	85-0%	87-0%	85-0%	87-0%	
Altenburger	50,3	230/50Hz			93-0%	92-0%	93-0%	92-0%	92-0%	92-0%	92-0%	92-0%	
AURORA	DSP 400	230/50Hz	400	L	90-0%	89-0%	90-0%	89-0%	89-0%	89-0%	89-0%	89-0%	
Berker	2861	230/50Hz	50-420	U	89-0%	88-0%	89-0%	88-0%	88-0%	88-0%	88-0%	88-0%	
Bticino	L/N/NT4411N	230/50Hz			94-0%	93-0%	94-0%	93-0%	93-0%	92-0%	93-0%	92-0%	
Busch-Jaeger	6513 U-102	230/50Hz	420	T	95-2%	93-0%							
Busch-Jaeger	6523 U-102	230/50Hz	40-420	T	95-3%	93-3%	95-3%	93-3%	94-3%	93-3%	94-3%	93-3%	
Busch-Jaeger	2250 U	230/50Hz	60-600	L	50-1%	87-1%	93-1%	87-1%	90-1%	87-1%	90-1%	87-1%	
Busch-Jaeger	6526 U	230/50Hz			94-40%	93-2%							
CENTURY CONTROL	MULTI DIMMER	230/50Hz	60-600	U	91-0%	90-0%	91-0%	90-0%	90-0%	90-0%	90-0%	90-0%	
DimMax	420SL	230/50Hz	200	L/T	93-0%	91-0%	93-0%	91-0%	92-0%	91-0%	92-0%	91-0%	
DINUY	RE EL1 LE1	230/50Hz	400	LED	92-0%	91-0%	92-0%	91-0%	91-0%	91-0%	91-0%	91-0%	
ELKO	400GLU	230/50Hz			94-3%	91-0%	94-3%	91-0%	92-3%	90-0%	92-3%	90-0%	
ELKO	315GLE	230/50Hz	20-315	T	92-3%	90-0%	92-3%	90-0%	91-3%	90-0%	91-3%	90-0%	
ELKO	600GLE/I	230/50Hz			92-0%	91-0%	92-0%	91-0%	91-0%	91-0%	91-0%	91-0%	
ELKO	600GLU	230/50Hz	40-600	U	92-2%	91-2%	92-2%	91-2%	91-2%	91-2%	91-2%	91-2%	

Information about the 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.



220-240V **AC01770** 2700K
 13 W 50/60 Hz 27 mA
 Made in Germany XXX-XXXX

2. WIE LESE ICH DIE FOLGENDEN TABELLEN?

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



Liste der getesteten Dimmer

Legend					PARATHOM PRO PAR16 50 36°	PARATHOM PRO PAR16 80 36°	PARATHOM DIM PAR16 80 36°	PARATHOM DIM PAR16 80 60°				
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												
4058075448728 / AC24597					40580754449107 / AC24600	4058075449282 / AC24603	4058075449220 / AC24608					
4058075448704 / AC24598					4058075449094 / AC24601	4058075449268 / AC24604	4058075449183 / AC24608					
4058075448681 / AC24599					4058075449060 / AC24602	4058075449244 / AC24605	4058075449206 / AC24607					
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage	Power	Type	58-0%	57-0%	86-0%	74-0%	85-0%	87-0%	85-0%	87-0%
ABB	STD 50-3	230/50Hz	60-500	L	93-0%	92-0%	93-0%	92-0%	92-0%	92-0%	92-0%	92-0%
Altenburger	50_3	230/50Hz			90-0%	89-0%	90-0%	89-0%	89-0%	89-0%	89-0%	89-0%
AURORA	DSP 400	230/50Hz	400	L	89-0%	88-0%	89-0%	88-0%	88-0%	88-0%	88-0%	88-0%
Berker	2861	230/50Hz	50-420	U	94-0%	93-0%	94-0%	93-0%	93-0%	92-0%	93-0%	92-0%
Bticino	L/N/NT4411N	230/50Hz			95-2%	93-0%						
Busch-Jaeger	6513 U-102	230/50Hz	420	T	95-3%	93-3%	95-3%	93-3%	94-3%	93-3%	94-3%	93-3%
Busch-Jaeger	6523 U-102	230/50Hz	40-420	T	50-1%	87-1%	93-1%	87-1%	90-1%	87-1%	90-1%	87-1%
Busch-Jaeger	2250 U	230/50Hz	60-600	L	94-40%	93-2%						
Busch-Jaeger	6526 U	230/50Hz			91-0%	90-0%	91-0%	90-0%	90-0%	90-0%	90-0%	90-0%
CENTURY CONTROL	MULTI DIMMER	230/50Hz	60-600	U	93-0%	91-0%	93-0%	91-0%	92-0%	91-0%	92-0%	91-0%
DimMax	420SL	230/50Hz	200	L/T	92-0%	91-0%	92-0%	91-0%	91-0%	91-0%	91-0%	91-0%
DINUY	RE ELI LE1	230/50Hz	400	LED	94-3%	91-0%	94-3%	91-0%	92-3%	90-0%	92-3%	90-0%
ELKO	400GLI	230/50Hz			92-3%	90-0%	92-3%	90-0%	91-3%	90-0%	91-3%	90-0%
ELKO	315GLE	230/50Hz	20-315	T	92-0%	91-0%	92-0%	91-0%	91-0%	91-0%	91-0%	91-0%
ELKO	600GLE/I	230/50Hz			92-2%	91-2%	92-2%	91-2%	91-2%	91-2%	91-2%	91-2%
ELKO	600GLI	230/50Hz	40-600	U								

Angaben zum Lampentyp



Bewertung der Testergebnisse im Ampelsystem. Beinhaltet sowohl die Lampenanzahl als auch den dimmbaren Bereich

DIMMER COMPATIBILITY GlowDim

Legend					PARATHOM+ PAR16 50 GLOWdim 36**		PARATHOM PRO AR111 50 GLOWdim*	
Good dimmability with indicated number of lamps (dimming range greater than 75%)								
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)					EAN / Basic Code		EAN / Basic Code	
Undesired dimmability					4058075105379 / AC24567		4058075448964 / AC24547 4058075448940 / AC24550	
Not tested								
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type				
ABB	STD 50-3	230/50Hz	60-500	L	96-6%	96-5%	82-9%	100-29%
Altenburger Electronic	50,3	230/50Hz			98-10%	95-6%	100-8%	100-16%
AURORA	DSP400	230/50Hz	400	T	93-2%	94-2%	76-0%	63-0%
Berker	2861	230/50Hz	50-420	U	99-2%	97-2%	100-17%	100-22%
Bticino	L/N/NT4411N	230/50Hz			88-8%	90-8%	89-0%	97-1%
bticino	NT4402N	230/50Hz	500	R			99-21%	100-25%
Busch-Jaeger	6513 U-102	230/50Hz	420	T	86-3%	88-4%	100-28%	100-22%
Busch-Jaeger	6523 U-102	230/50Hz	40-420	T	80-4%	86-4%	93-11%	99-16%
Busch-Jaeger	2250 U	230/50Hz	60-600	L			87-0%	100-0%
Busch-Jaeger	6526 U	230/50Hz						
CENTURY CONTROL	MULTI DIMMER	230/50Hz	60-600	U	93-5%	94-3%	73-0%	100-0%
DimMax	420SL	230/50Hz	200	L/T	99-5%	96-2%	100-3%	100-4%
DINUJ	RE EL1 LE1	230/50Hz	400	LED	100-12%	99-14%	100-17%	100-21%
ELKO	400GLI	230/50Hz			85-8%	91-8%	67-0%	64-0%
ELKO	315GLE	230/50Hz	20-315	T	94-8%	94-8%	99-0%	100-0%
ELKO	600GLE/I	230/50Hz			92-2%	92-0%	100-0%	100-5%
ELKO	600GLI	230/50Hz	40-600	U	99-8%	97-2%	100-7%	100-8%
ELKO	420GLE/I	230/50Hz	40-420	U	94-4%	92-4%	99-6%	100-3%
ELKO	1000LRI	230/50Hz			100-1%	100-0%	100-0%	100-0%
ELKO	630GLE	230/50Hz	20-630	U	99-8%	97-2%	100-19%	100-24%
Eltako	EUD61NPN-UC	230/50Hz	5-400	R / L / C	100-1%	100-0%	100-12%	100-8%
Feller	40200.LEDxxx	230/50Hz			98-8%	96-3%	100-6%	100-16%
Feller	40600 RLC	230/50Hz	20-600	U	92-2%	92-0%	100-0%	100-5%
Feller	40600.RC	230/50Hz			99-8%	97-2%	100-19%	100-24%
Feller	40600.RL	230/50Hz			99-8%	97-2%	100-7%	100-8%
Feller	40420.RLC	230/50Hz			94-4%	92-4%	99-6%	100-3%



*PAR16 and AR111 versions tested with HTM 70 transformer

DIMMER COMPATIBILITY GlowDim

Legend					PARATHOM+ PAR16 50 GLOWdim 36**		PARATHOM PRO AR111 50 GLOWdim*	
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	
					4058075105379 / AC24567		4058075448964 / AC24547 4058075448940 / AC24550	
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type				
Feller	31000	230/50Hz			100-1%	100-0%	100-0%	100-0%
Gira	226200	230/50Hz			92-10%	92-10%	83-0%	100-0%
Gira	030700	230/50Hz	20-525	T	95-12%	96-11%	99-12%	100-19%
Gira	117600	230/50Hz	50-420	U	99-2%	97-0%	100-18%	100-22%
Gira	217400	230/50Hz	4X20-250	KNX-U	96-3%	95-3%	100-15%	100-22%
Hager	WUD87	230/50Hz	400	LED-U	96-3%	93-3%	100-9%	100-23%
Hamilton	KP1X40	230/50Hz	400		86-3%	87-1%		
Hugo Müller	paladin 872110 led	230/50Hz			100-12%	99-14%	100-17%	100-21%
Jung	225 NVDE	230/50Hz	20-500	L	92-10%	92-10%	83-0%	100-0%
Jung	225 TDE	230/50Hz			95-12%	96-11%	99-12%	100-19%
Jung	254 UDIE1	230/50Hz			99-2%	97-0%	100-18%	100-22%
Jung	1224 LEDUCE	230/50Hz	3-100		99-4%	98-4%	95-0%	96-0%
Jung	3904 REGHE	230/50Hz			96-3%	95-3%	100-15%	100-22%
Legrand	665114	230/50Hz	400	U	88-8%	90-8%	89-0%	97-1%
Legrand	574319/574339	230/50Hz	400	U	88-8%	90-8%	89-0%	97-1%
Legrand	572239/572739	230/50Hz	400	U	88-8%	90-8%	89-0%	97-1%
Legrand	078407/079207	230/50Hz	400	U	88-8%	90-8%	89-0%	97-1%
Legrand	048869/048871	230/50Hz	400	U	88-8%	90-8%	89-0%	97-1%
Legrand	067083/048869	230/50Hz	400	U	88-8%	90-8%	89-0%	97-1%
Legrand	752162	230/50Hz				96-0%	97-0%	99-2%
Legrand	099314	230/50Hz	300	RL	97-3%	98-2%		
MASTER	DM-DGL	230/50Hz	1000	U / LED	100-11%	100-9%		
MASTER	DM-2500	230/50Hz	2500	U / LED			100-0%	100-0%
Merten	MEG5136-0000	230/50Hz			94-8%	94-8%	99-0%	100-0%
Merten	MEG5134-0000	230/50Hz			98-8%	96-3%	100-6%	100-16%



*PAR16 and AR111 versions tested with HTM 70 transformer

DIMMER COMPATIBILITY GlowDim

Legend					PARATHOM+ PAR16 50 GLOWdim 36**		PARATHOM PRO AR111 50 GLOWdim*	
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	
					4058075105379 / AC24567		4058075448964 / AC24547 4058075448940 / AC24550	
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type				
Merten	MEG5139-0000	230/50Hz			92-2%	92-0%	100-0%	100-5%
Merten	MEG5137-0000	230/50Hz			99-8%	97-2%	100-19%	100-24%
Merten	MEG5133-0000	230/50Hz			99-8%	97-2%	100-7%	100-8%
Merten	MEG5138-0000	230/50Hz			94-4%	92-4%	99-6%	100-3%
Merten	MEG 5170-0300	230/50Hz	10-200	U			98-10%	100-0%
Merten	MEG 5131	230/50Hz	40-400	L	93-2%	93-4%	100-0%	100-0%
Merten	MEG 5132	230/50Hz			93-2%	93-4%	100-0%	100-0%
Merten	MEG 5140	230/50Hz	9-100	L	90-5%	91-5%	56-0%	97-0%
Merten	MEG 5135	230/50Hz	60-1000	L	100-1%	100-0%	100-0%	100-0%
MK	K4501	230/50Hz	180	L	92-5%	93-2%	92-0%	100-5%
NEXUS	881P-01	230/50Hz	400	L	93-2%	97-1%	84-0%	82-0%
NIKO	310-0190001901	230/50Hz	5-200	U	100-2%	100-2%	100-1%	100-0%
NIKO	330-0070000701	230/50Hz	5-200	U	100-6%	100-5%	100-7%	100-9%
Odace	S520512	230/50Hz			98-8%	96-3%	100-6%	100-16%
Odace	S520511	230/50Hz			99-8%	97-2%	100-7%	100-8%
Odace	S520515	230/50Hz			94-4%	92-4%	99-6%	100-3%
Odace	S520518	230/50Hz			90-5%	91-5%	56-0%	97-0%
Osram	HTi DALI 315 DIM	230/50Hz	20-315	DALI-T			100-8%	100-9%
PEHA	435 HAN	230/50Hz	60-600	L	90-7%	91-5%	70-2%	97-7%
Schneider	400GLI	230/50Hz	40-400	T	85-8%	91-8%	67-0%	64-0%
Schneider	SBD315RC	230/50Hz			94-8%	94-8%	99-0%	100-0%
Schneider	SBD200LED	230/50Hz	400		98-8%	96-3%	100-6%	100-16%
Schneider	SBD600RCRL	230/50Hz			92-2%	92-0%	100-0%	100-5%
Schneider	SBD630RC	230/50Hz			99-8%	97-2%	100-19%	100-24%
Schneider	SBD600RL	230/50Hz			99-8%	97-2%	100-7%	100-8%
Schneider	SBD420RCRL	230/50Hz			94-4%	92-4%	99-6%	100-3%

*PAR16 and AR111 versions tested with HTM 70 transformer

DIMMER COMPATIBILITY GlowDim

Legend					PARATHOM+ PAR16 50 GLOWdim 36**	PARATHOM PRO AR111 50 GLOWdim*		
Good dimmability with indicated number of lamps (dimming range greater than 75%)					 EAN / Basic Code	 EAN / Basic Code		
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)								
Undesired dimmability								
Not tested								
					4058075105379 / AC24567	4058075448964 / AC24547 4058075448940 / AC24550		
Dimmer					Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
Brand	Model	Voltage range	Power	Type				
Schneider	5170	230/50Hz					98-10%	100-0%
Schneider	SBD400RL	230/50Hz			93-2%	93-4%	100-0%	100-0%
Schneider	SBD5PL	230/50Hz			90-5%	91-5%	56-0%	97-0%
Schneider	ATTD1000RL	230/50Hz			100-1%	100-0%	100-0%	100-0%
Shuttle	SDIM-T-LED-500W	230/50Hz	2-500	T & LED-T	96-9%	93-10%	100-2%	100-3%
Siemens	5TC8 284	230/50Hz	20-525	T	92-14%	92-13%	100-19%	100-13%
Siemens	5WG1-527-1AB31	230/50Hz	20-500	KNX-U	97-11%	95-3%	100-12%	100-0%
VADSBO	LD 220	230/50Hz	1-200	U	92-2%	96-4%	100-0%	100-0%
VARILIGHT	HQ3W	230/50Hz	400		96-4%	97-1%	99-3%	100-0%
VARILIGHT	JQP401W	230/50Hz	400	T	100-11%	98-10%	90-5%	100-10%
Vimar	20135	230/50Hz	3 - 100	U	98-0%	98-0%	100-3%	100-4%
ZANO	WH401	230/50Hz	400	L	97-2%	97-3%	90-0%	100-19%
ZANO	WH251	230/50Hz	250		99-3%	99-1%	87-0%	84-0%
ZANO	Z GRID 700	230/50Hz	250	LED	91-4%	88-3%		
ZANO	Z GRID 500	230/50Hz	500		96-3%	96-1%	84-0%	100-0%

*PAR16 and AR111 versions tested with HTM 70 transformer

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. LEDVANCE 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 (harmonic 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.

LEDVANCE GmbH

Head Office:

Parkring 29-33
85748 Garching, Germany
Phone +49 89 780673-100
Fax +49 89 780673-XXX
www.ledvance.com

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. LEDVANCE 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 Dimmerergebnisse zu erzielen, wird die Verwendung von Phasenabschnitt-Dimmern empfohlen.
- Phasenabschnitt-Dimmer erfordern bei der Installation einen Neutralleiter.