Professional LEDlamps MV range



Recommended dimmer compatibility list for Mains Voltage Lamps

KEY

x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance	
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load	This document is for information purposes and must be treated as recommendation. Philips
	Unexpected performance behavior, not in line with good dimming perception	attempted to provide best results, results are
N.A.	Dimmer lamp combination not applicable	generated in lab conditions and might contain faults
T.B.D.	Dimmer lamp combination not tested	

				Master LEDspot MV Dim Tone 4-35W GU10				ster LEDspot N Dim Tone 4.5-50W GU10		Maste	er LEDspot MV 3.5-35W GU10		Master LEDspot MV Value 4.3-50W GU10			
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				NEW				NEW			NEW		NEW			
				Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	
Brand	Туре	Туре	Load								Ra Di	ชั		R Di	ษั	
Berker INSTA	286610	R	20. 200 W. T.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	2-20	020/ 220/		2-9	000 200		
Berker INSTA Berker INSTA	286710 283010	RC R	20 ~ 360 W - Turn 60 ~ 400 W - Turn	2-18 2-20	99% ~ 3% 95% ~ 5%	T.B.D.	2-16 2-18	91% ~ 5% 96% ~ 4%	T.B.D.	2-21 2-23	92% ~ 22% 95% ~ 14%		2-10 2-10	90% ~ 20% 94% ~ 8%		
Bticino	L4407		60 ~ 250 W	2 20	N.A.	N.A.	2 10	N.A.	N.A.	2 25	N.A.	N.A.	2 10	N.A.	N.A.	
Busch Jaeger ABB	2200 U - 503	R	60 ~ 400 W - Turn	2-20	94% ~ 6%	T.B.D.	2-19	94% ~ 4%	T.B.D.	2-23	95% ~ 17%	< 2	2-10	94% ~ 16%	< 2	
Busch Jaeger ABB	2247 U	R	60 ~ 400 W - Turn	2-20	94% ~ 4%	T.B.D.	2-19	95% ~ 3%	T.B.D.	2-29	95% ~ 3%		2-10	92% ~ 3%		
Busch Jaeger ABB	2250 U	RL	20 ~ 500 W - Turn	2-20	97% ~ 5%	T.B.D.	2-19	96% ~ 3%	T.B.D.	2-34	95% ~ 3%		2-10	92% ~ 3%		
Busch Jaeger ABB	6513 U - 102	R	40 ~ 420 W - Turn	2-20	97% ~ 6%	T.B.D.	2-19	96% ~ 5%	T.B.D.	2-24	96% ~ 22%		2-10	96% ~ 20%		
Busch Jaeger ABB	6523 U	LED	2 ~ 100 VA - LED - Turn	2-20	93% ~ 3%	T.B.D.	2-19	92% ~ 3%	T.B.D.	2-20	90% ~ 3%		2-10	92% ~ 3%		
Busch Jaeger ABB ELKO Schneider	6526 U SBD200LED (CCTEL10501)	LED/RC	2 ~ 100 VA - LED - Push (2wire) 4 ~ 200 W(RC) 4 ~ 400 W(RL)	2-20 2-20	91% ~ 8% 89% ~ 6%	< 8 T.B.D.	2-20 2-18	89% ~ 6% 91% ~ 6%	< 8 T.B.D.	2-20 2-23	87% ~ 33% 91% ~ 23%	< 3	2-20 2-10	89% ~ 29% 88% ~ 20%		
ELKO Schneider	SBD315RC (315 GLE)	RC RC	315 W	2-20	92% ~ 4%	T.B.D.	2-18 2-14	91% ~ 6% 92% ~ 3%	T.B.D.	2-23 2-18	91% ~ 23%		2-10	88% ~ 20% 88% ~ 3%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	RLC	315 W	2-10	91% ~ 3%	T.B.D.	2-14	92% ~ 3%	T.B.D.	2 10	N.A.	N.A.	2 13	N.A.	N.A.	
Eltako	EVD61NPN-UC	1.125	400 W 3 - wire Push Module	2-20	95% ~ 30%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Feller Schneider	40200 SBD200LED (CCTCH10601)	LED/RC	4 ~ 200 W (RC) 4 ~ 400 W(RL)	2-20	89% ~ 6%	T.B.D.	2-18	91% ~ 6%	T.B.D.	2-23	91% ~ 23%		2-10	88% ~ 20%		
GIRA	1176-00/01	RLC	50 ~ 420 W	2-20	95% ~ 8%	< 11	2-19	94% ~ 6%	< 11	2-20	96% ~ 31%		2-20	94% ~ 27%		
GIRA	2390 00/ 100	LED	7 ~ 100 W - Push (3wire)	6-20	90% ~ 3%	T.B.D.	6-19	90% ~ 3%	T.B.D.	2-29	91% ~ 10%	< 2	2-10	92% ~ 8%		
Hager	EVN 011	RC		2-20	98% ~ 3%	< 16	2-20	96% ~ 3%	< 14	2-17	96% ~ 13%	< 3	2-14	98% ~ 13%	< 2	
Hager	EVN 012	RC	300 W	2-15	96% ~ 3%	< 16	2-13	96% ~ 3%	< 13	2-17	98% ~ 13%	< 3	2-14	98% ~ 13%	< 7	
Hager	EVN 004	RL		2-20	96% ~ 3%	< 16	2-22	94% ~ 3%	< 15	2-20	98% ~ 16%	< 19	2-20	98% ~ 13%	< 8	
Jung	225 TDE	RC	20 ~ 525 W - Turn	2-20	93% ~ 6%	T.B.D.	2-19	93% ~ 6%	T.B.D.	2-30	94% ~ 25%		2-10	92% ~ 24%		
Jung Klik aan Klik uit	1271LEDDE AWMD-250	LED	3 ~ 100 W - Push (3wire)	6-20 2-6	91% ~ 9% 84% ~ 3%	T.B.D.	5-19	91% ~ 8%	T.B.D.	2-29 2-7	91% ~ 38% 84% ~ 29%	< 2 < 3	2-10 2-6	92% ~ 36% 81% ~ 28%	< 7	
Legrand	774161	RL	40 ~ 400 W - Turn	2=0	N.A.	N.A.		N.A.	N.A.	2=1	N.A.	N.A.	3-10	92% ~ 8%	< 4	
Legrand	78401	RLC	40 ~ 500 W	2-20	94% ~ 4%	< 10	2-18	94% ~ 3%	< 9	2-20	93% ~ 13%	< 5	2-19	93% ~ 13%		
Legrand	67081	RL	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	3-10	96% ~ 16%		
Legrand	67082	RL	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	
Legrand	67083	RLC	3 ~ 400W	2-20	93% ~ 4%	< 5		91% ~ 3%	< 4			N.A.		89% ~ 10%		
Legrand	67084	RLC	8 - 300 VA - Push LED (3wire)	9-20	95% ~ 3%	T.B.D.	10-18	95% ~ 4%	T.B.D.	2-23	90% ~ 6%	< 4	2-10	88% ~ 3%	< 5	
Legrand	67085 (078406)	RLC	8 - 300 VA - Push LED (3wire)	2-15	94% ~ 3%	T.B.D.	2-15	100% ~ 3%	T.B.D.	2-17	97% ~ 3%		2-10	96% ~ 3%		
Legrand	L4402N	R	60 ~ 500 W	10-20	88% ~ 6%	***	6-20	85% ~ 4%		10-20	84% ~ 24%		5-20	83% ~ 25%		
Merten Schneider	SBD200LED (MEG5134-0000)	LED/RC	4 ~ 200 W (RC) 4 ~ 400 W(RL)	2-20	89% ~ 6%	T.B.D.	2-18	91% ~ 6%	T.B.D.	2-23	91% ~ 23%		2-10	88% ~ 20%		
Merten Schneider Merten Schneider	SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000)	RC RLC	315 W 20 ~ 420 VA	2-16 2-20	92% ~ 4% 91% ~ 3%	T.B.D.	2-14 2-15	92% ~ 3% 92% ~ 3%	T.B.D.	2-18	94% ~ 5% N.A.	N.A.	2-10	88% ~ 3% N.A.	N.A.	
MK - Electric	K1535	R	65 ~ 450 W - Turn	2-20	80% ~ 4%	T.B.D.	2-19	81% ~ 3%	T.B.D.	2-26	83% ~ 12%	N.A.	2-10	80% ~ 14%	N.O.	
MK - Electric	K1501 WHILV	R	60 ~ 500 W - Turn	2-20	85% ~ 4%	T.B.D.	2-19	87% ~ 3%	T.B.D.	2-10	88% ~ 14%		2-10	86% ~ 14%		
MK - Electric	K4501 WHILV	RLC			86% ~ 4%		2-10	85% ~ 3%		3-13	87% ~ 13%		2-10	85% ~ 13%		
MK - Electric	K4500 WHILV	RLC			86% ~ 4%		2-14	85% ~ 3%			87% ~ 13%		2-15	85% ~ 13%		
NIKO	310-0280X	LED	2 ~ 100 VA	2-5	99% ~ 6%		2-4	96% ~ 4%		2-6	98% ~ 24%		2-5	97% ~ 23%		
PEHA	431HAN	RL	6 ~ 120 W [LED] 6~60W	2-6	86% ~ 6%		2-5	85% ~ 6%		2-7	87% ~ 31%		2-6	85% ~ 29%		
Philips	UID8670	LED	2 ~ 100 VA-LED - Push (3wire)	2-20	93% ~ 3%	T.B.D.	2-19	92% ~ 3%	T.B.D.	2-20	90% ~ 3%		2-10	92% ~ 3%		
Schneider	SBD315RC (SBD 315, SDD 315)	RC RC	315 W	2-16	92% ~ 4%	T.B.D.	2-14	92% ~ 3%	T.B.D.	2-18	94% ~ 5%		2-10	88% ~ 3%		
Schneider Schneider	SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299)	RC	4 ~ 400VA - Turn Universal (2wire)	2-16 2-20	92% ~ 4% 89% ~ 6%	T.B.D.	2-14 2-18	92% ~ 3% 91% ~ 6%	T.B.D.	2-18 2-23	94% ~ 5% 91% ~ 23%		2-10 2-10	88% ~ 3% 88% ~ 20%		
Schneider	SBD315RC (SBD 315)	RC	315 W	2-16	92% ~ 4%	T.B.D.	2-14	92% ~ 3%	T.B.D.	2-18	94% ~ 5%		2-10	88% ~ 3%		
VADSBO	ED 350	RC	50 ~ 350 W	2-18	89% ~ 8%		2-16	87% ~ 6%		2-20	91% ~ 29%		2-15	88% ~ 27%		
VADSBO	DRS 315	RC	50 ~ 315 W	2-16	94% ~ 5%		2-14	94% ~ 4%		10-18	93% ~ 20%		2-15	93% ~ 17%	< 11	
VADSBO	DU 250	RC	20 ~ 250 W	2-13	98% ~ 4%		2-11	84% ~ 4%		2-14	89% ~ 20%		2-12	83% ~ 8%	< 11	
Varilight	HQ3W	R		2-20	93% ~ 4%	T.B.D.	2-18	96% ~ 3%	T.B.D.	2-23	92% ~ 8%		2-10	92% ~ 6%		
Vimar	20148	RL	500 W		N.A.	N.A.		N.A.	N.A.	2-29	95% ~ 16%	< 30	3-10	92% ~ 8%	< 11	
Vimar	14153	R		2-20	98% ~ 3%	< 10	2-20	96% ~ 3%	< 10		98% ~ 3%		2-20	98% ~ 3%		
Vimar	20160	RC	40, 200 W	2-15	93% ~ 4%		2-13	91% ~ 3%		2-17	91% ~ 9%	-10	2-14	92% ~ 8%	< 11	
Vimar	20162 DDLE801	RL	40 ~ 300 W	2-20	N.A. 93% ~ 3%	N.A.	2-20	N.A. 91% ~ 3%	N.A.	2-17 2-20	91% ~ 13% 91% ~ 9%	< 18	2-10 2-20	88% ~ 8% 88% ~ 8%	< 11	
Dynalite Dynalite	DDMC-GRMSPLUS			2-20	93% ~ 3%		2-20	91% ~ 3% 94% ~ 3%		2-20	91% ~ 9%		2-20	97% ~ 4%		
J	2	1	<u> </u>		5/0		3.20	2.70 570						2.70 470		

- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power).
- #2) Occupancy sensors can act like dimmers, therefore Philips recommend to use dimmable lamps in combination with it.
- #3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
 #4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming.
- #4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources (e.g. flickering where "active loads" can reduce your problems). ${\tt \#4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10\%-30\%.}$
- #5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues. #7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
- #8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products. Philips cannot be held responsible for inaccuracies in the compatibility lists due to technical changes in dimmers.



x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
T.B.D.	Dimmer lamp combination not tested

Master LEDspot MV

This document is for information purposes and must be treated as recommendation. Philips attempted to provide best results, results are

CorePro LEDspot MV

LEDspots

Master LEDspot MV

Master LEDspot MV

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Brand	Туре	Туре	Load	Dim Perf	Dim	G	Dim Perf	Dim Ran	Glo	Dimming Performance	Dim	OB OB	Dim Perf	Dim	G G	
Berker INSTA	286610	R		2-20			2-12			T.B.D.	T.B.D.	T.B.D.	2-9			
Berker INSTA	286710	RC	20 ~ 360 W - Turn	2-18	91% ~ 3%		2-13	93% ~ 3%		3-13	86% ~ 3%		2-10	90% ~ 20%		
Berker INSTA	283010	R	60 ~ 400 W - Turn	2-20	93% ~ 3%		2-15	96% ~ 3%		3-15	88% ~ 3%		2-10	94% ~ 8%		
Bticino	L4407		60 ~ 250 W		N.A.	N.A.		N.A.	N.A.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Busch Jaeger ABB	2200 U - 503	R	60 ~ 400 W - Turn	2-20	92% ~ 3%		2-15	97% ~ 3%		3-15	90% ~ 10%		2-10	94% ~ 16%	< 2	
Busch Jaeger ABB	2247 U	R	60 ~ 400 W - Turn	2-25	93% ~ 3%		2-19	97% ~ 3%		3-18	89% ~ 3%		2-10	92% ~ 3%		
Busch Jaeger ABB	2250 U	RL	20 ~ 500 W - Turn	2-30	95% ~ 3%		2-22	98% ~ 3%		3-22	90% ~ 3%		2-10	92% ~ 3%		
Busch Jaeger ABB	6513 U - 102	R	40 ~ 420 W - Turn	2-21	94% ~ 3%		2.40	N.A.		3-15	92% ~ 3%		2-10	96% ~ 20%		
Busch Jaeger ABB	6523 U	LED	2 ~ 100 VA - LED - Turn	2-20	90% ~ 3%		2-19	92% ~ 3%		3-18	85% ~ 3%		2-10	92% ~ 3%	TDD	
Busch Jaeger ABB ELKO Schneider	6526 U SBD200LED (CCTEL10501)	LED/RC	2 ~ 100 VA - LED - Push (2wire) 4 ~ 200 W(RC) 4 ~ 400 W(RL)	2-20 2-20	89% ~ 3% 90% ~ 3%		2-19 2-15	88% ~ 9% 93% ~ 3%		T.B.D. 3-15	T.B.D. 88% ~ 3%		T.B.D. 2-10	T.B.D. 88% ~ 20%	T.B.D.	
ELKO Schneider	SBD315RC (315 GLE)	RC RC	315 W	2-20	90%~3%		2-13	89% ~ 3%		3-13	90% ~ 3%		2-10	88% ~ 3%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	RLC	315 W	2 10	N.A.	N.A.	2 12	N.A.	N.A.	3-15	90% ~ 3%		2 10	N.A.	N.A.	
Eltako	EVD61NPN-UC	, tie	400 W 3 - wire Push Module	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Feller Schneider	40200 SBD200LED (CCTCH10601)	LED/RC	4 ~ 200 W (RC) 4 ~ 400 W(RL)	2-20	90% ~ 3%		2-15	93% ~ 3%		3-15	88% ~ 3%		2-10	88% ~ 20%		
GIRA	1176-00/01	RLC	50 ~ 420 W	2-20	93% ~ 3%		2-16	91% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
GIRA	2390 00/ 100	LED	7 ~ 100 W - Push (3wire)	2-25	90% ~ 3%		2-19	94% ~ 3%		3-18	90% ~ 21%		2-10	92% ~ 8%		
Hager	EVN 011	RC		2-15	93% ~ 3%		2-11	97% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Hager	EVN 012	RC	300 W	2-15	93% ~ 3%		2-11	97% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Hager	EVN 004	RL		2-20	93% ~ 3%		2-19	97% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Jung	225 TDE	RC	20 ~ 525 W - Turn	2-26	92% ~ 3%		2-19	95% ~ 3%		3-19	85% ~ 3%		2-10	92% ~ 24%		
Jung	1271LEDDE	LED	3 ~ 100 W - Push (3wire)	2-25	90% ~ 3%		2-19	95% ~ 18%		3-18	90% ~ 21%		2-10	92% ~ 36%		
Klik aan Klik uit	AWMD-250	LED	3 ~ 24 W	2-6	86% ~ 3%		2-4	85% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Legrand	774161	RL	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	3-10	92% ~ 8%	< 4	
Legrand	78401	RLC	40 ~ 500 W	2-20	89% ~ 3%		2-15	91% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Legrand	67081	RL	40 ~ 400 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	3-10	96% ~ 16%		
Legrand	67082	RL	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.	TDD	N.A.	N.A.	TDD	N.A.	N.A.	
Legrand	67083	RLC	3 ~ 400W		89% ~ 3%	N.A.		89% ~ 3%	N A	T.B.D. 3-15	T.B.D. 90% ~ 3%	T.B.D.	T.B.D. 2-10	T.B.D. 88% ~ 3%	T.B.D.	
Legrand Legrand	67084 67085 (078406)	RLC	8 - 300 VA - Push LED (3wire) 8 - 300 VA - Push LED (3wire)	2-15	N.A. 98% ~ 3%	IN.A.		N.A.	N.A.	3-13	95% ~ 3%		2-10	96% ~ 3%	15	
Legrand	L4402N	R	60 ~ 500 W	4-20	82% ~ 3%			85% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Merten Schneider	SBD200LED (MEG5134-0000)	LED/RC	4 ~ 200 W (RC) 4 ~ 400 W(RL)	2-20	90% ~ 3%		2-15	93% ~ 3%		3-15	88% ~ 3%	110.01	2-10	88% ~ 20%	110.01	
Merten Schneider	SBD315RC (MEG5136-0000)	RC	315 W	2-16	90% ~ 3%		2-12	89% ~ 3%		3-11	90% ~ 3%		2-10	88% ~ 3%		
Merten Schneider	SBD420RCRL (MEG5138-0000)	RLC	20 ~ 420 VA		N.A.	N.A.		N.A.	N.A.	3-15	90% ~ 3%			N.A.	N.A.	
MK - Electric	K1535	R	65 ~ 450 W - Turn	2-23	80% ~ 3%		2-17	83% ~ 3%		3-16	83% ~ 3%		2-10	80% ~ 14%		
MK - Electric	K1501 WHILV	R	60 ~ 500 W - Turn	2-25	86% ~ 3%		2-19	90% ~ 3%		3-18	83% ~ 3%		2-10	86% ~ 14%		
MK - Electric	K4501 WHILV	RLC		2-11	86% ~ 3%		2-18	85% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
MK - Electric	K4500 WHILV	RLC		2-16	86% ~ 3%		2-12	85% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
NIKO	310-0280X	LED	2 ~ 100 VA	2-5	89% ~ 3%		2-5	97% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
PEHA	431HAN	RL	6 ~ 120 W [LED] 6~60W	2-10	82% ~ 3%		2-4	88% ~ 6%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Philips	UID8670	LED	2 ~ 100 VA-LED - Push (3wire)	2-20	90% ~ 3%		2-19	92% ~ 3%		3-18	85% ~ 3%		2-10	92% ~ 3%		
Schneider	SBD315RC (SBD 315, SDD 315)	RC	315 W	2-16	90% ~ 3%		2-12	89% ~ 3%		3-11	90% ~ 3%		2-10	88% ~ 3%		
Schneider	SBD315RC (ATD315)(CCT011533)	RC	315 W	2-16	90% ~ 3%		2-12	89% ~ 3%		3-11	90% ~ 3%		2-10	88% ~ 3% 88% ~ 20%		
Schneider Schneider	SBD200 (WDE 002299) SBD315RC (SBD 315)	RC	4 ~ 400VA - Turn Universal (2wire)	2-20 2-16	90% ~ 3% 90% ~ 3%		2-15 2-12	93% ~ 3% 89% ~ 3%		3-15 3-11	88% ~ 3% 90% ~ 3%		2-10 2-10	88% ~ 20%		
VADSBO	ED 350	RC	50 ~ 350 W	2-16	90% ~ 3% 86% ~ 3%		2-12	89% ~ 3% 88% ~ 3%		T.B.D.	90% ~ 3% T.B.D.	T.B.D.	7.B.D.	7.B.D.	T.B.D.	
VADSBO	DRS 315	RC	50 ~ 315 W	6-16	93% ~ 3%		2-13	94% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
VADSBO	DU 250	RC	20 ~ 250 W	2-13	86% ~ 3%		2-9	85% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Varilight	HQ3W	R		2-20	92% ~ 3%		2-15	97% ~ 3%		3-15	88% ~ 3%		2-10	92% ~ 6%		
Vimar	20148	RL	500 W	3-25	93% ~ 3%		2-19	94% ~ 3%		3-18	89% ~ 3%		3-10	92% ~ 8%	< 11	
Vimar	14153	R		2-20	93% ~ 3%		2-19	97% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Vimar	20160	RC		2-15	89% ~ 3%		2-11	94% ~ 3%		3-15	88% ~ 3%	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Vimar	20162	RL	40 ~ 300 W	2-15	90% ~ 3%		2-11	92% ~ 3%		3-11	88% ~ 3%		2-10	88% ~ 8%	< 11	
Dynalite	DDLE801			2-20	93% ~ 3%		2-19	88% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Dynalite	DDMC-GRMSPLUS			2-20	93% ~ 3%		2-17	91% ~ 3%		T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	

Note:

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- (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power). #2) Occupancy sensors can act like dimmers, therefore Philips recommend to use dimmable lamps in combination with it.
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x-y	cellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance									
x-y	Dimming performance: These dimmers require more than 5 lamps as minimum load									
	Unexpected performance behavior, not in line with good dimming perception									
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LEDbulbs

				Master LEDbulb clear 6W-40W DimTone			Ма	ster LEDbulb cl 9W-60W DimTone	ear	c	orePro LEDbul 6W-40W	b	CorePro LEDbulb 9.5W-6OW			
											200.05					
				NEW				NEW			NEW		NEW			
		1		Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	
Brand	Type	Туре	Load													
Berker INSTA Berker INSTA	286610 286710	R	20 ~ 360 W - Turn	T.B.D.	T.B.D. 87% ~ 3%	T.B.D.	T.B.D.	T.B.D. 98% ~ 4%	T.B.D.	T.B.D. 1-3	T.B.D. 94% ~ 3%	T.B.D.	T.B.D. 1-3	T.B.D. 95% ~ 3%	T.B.D.	
Berker INSTA	283010	R	60 ~ 400 W - Turn	1-3	90% ~ 3%		1-3	95% ~ 3%		1-3	96% ~ 3%		1-3	92% ~ 11%		
Bticino	L4407		60 ~ 250 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	
Busch Jaeger ABB	2200 U - 503	R	60 ~ 400 W - Turn	1-3	93% ~ 3%		1-3	94% ~ 5%		1-3	98% ~ 9%		1-3	94% ~ 15%		
Busch Jaeger ABB	2247 U	R	60 ~ 400 W - Turn	1-3	90% ~ 3%		1-3	95% ~ 3%			N.A.	N.A.	1-3	95% ~ 3%		
Busch Jaeger ABB	2250 U 6513 U - 102	RL R	20 ~ 500 W - Turn 40 ~ 420 W - Turn	1-3 1-3	92% ~ 3% 94% ~ 8%		1-3 1-3	95% ~ 3% 96% ~ 5%		1-3	99% ~ 3% 98% ~ 5%		1-3	92% ~ 3% 92% ~ 4%		
Busch Jaeger ABB Busch Jaeger ABB	6523 U	LED	2 ~ 100 VA - LED - Turn	1-3	86% ~ 3%		1-3	89% ~ 3%		1-3	94% ~ 3%		1-3	94% ~ 3%		
Busch Jaeger ABB	6526 U	LED	2 ~ 100 VA - LED - Push (2wire)	1-3	91% ~ 4%		1-3	88% ~ 5%		1-3	91% ~ 13%		1-3	92% ~ 19%		
ELKO Schneider	SBD200LED (CCTEL10501)	LED/RC	4 ~ 200 W(RC) 4 ~ 400 W(RL)	1-3	88% ~ 3%		1-3	90% ~ 4%		3	91% ~ 3%		1-3	91% ~ 7%		
ELKO Schneider	SBD315RC (315 GLE)	RC	315 W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	93% ~ 3%		1-3	98% ~ 3%		
ELKO Schneider	SBD420RCRL (CCTEL13011)	RLC	315 W	1-3	89% ~ 3%		1-3	95% ~ 3%		1-3	91% ~ 3%		1-3	93% ~ 3%		
Eltako	EVD61NPN-UC		400 W 3 - wire Push Module	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Feller Schneider	40200 SBD200LED (CCTCH10601)	LED/RC	4 ~ 200 W (RC) 4 ~ 400 W(RL)	1-3	88% ~ 3%		1-3	90% ~ 4%		3	91% ~ 3%		1-3	91% ~ 7%		
GIRA	1176-00/01 2390 00/ 100	RLC	50 ~ 420 W	1-3	93% ~ 5%		1-3	88% ~ 5%		1-3 1-3	93% ~ 15% 94% ~ 3%		1-3	93% ~ 13%		
GIRA Hager	EVN 011	RC	7 ~ 100 W - Push (3wire)	1-3 1-3	86% ~ 3% 98% ~ 3%		1-3 1-3	91% ~ 3% 93% ~ 3%		1-3	94% ~ 3%		1-3 1-3	99% ~ 3% 97% ~ 3%		
Hager	EVN 012	RC	300 W	1-3	98% ~ 3%		1-3	93% ~ 3%		1-3	97% ~ 3%		1-3	97% ~ 3%		
Hager	EVN 004	RL		1-3	98% ~ 3%		1-3	93% ~ 3%		1-3	97% ~ 3%		1-3	97% ~ 3%		
Jung	225 TDE	RC	20 ~ 525 W - Turn	1-3	93% ~ 3%		1-3	96% ~ 5%		1-3	92% ~ 8%		1-3	93% ~ 7%		
Jung	1271LEDDE	LED	3 ~ 100 W - Push (3wire)	1-3	87% ~ 7%		1-3	91% ~ 7%		1-3	95% ~ 3%		1-3	93% ~ 3%		
Klik aan Klik uit	AWMD-250	LED	3 ~ 24 W	1-3	82% ~ 4%		1-3	83% ~ 5%		1-3	84% ~ 12%		1-3	87% ~ 20%		
Legrand	774161	RL	40 ~ 400 W - Turn		0.00	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	
Legrand	78401 67081	RLC RL	40 ~ 500 W 40 ~ 400 W - Turn	1-3	96% ~ 3% N.A.	N.A.	1-3	93% ~ 3% N.A.	N.A.	1-3	93% ~ 3% N.A.	N.A.	1-3	93% ~ 3% N.A.	N.A.	
Legrand Legrand	67082	RL	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	
Legrand	67083	RLC	3 ~ 400W		N.A.	N.A.	1-3	90% ~ 3%			N.A.	N.A.		N.A.	N.A.	
Legrand	67084	RLC	8 - 300 VA - Push LED (3wire)	1-3	95% ~ 3%		1-3	95% ~ 3%			98% ~ 3%			92% ~ 3%		
Legrand	67085 (078406)	RLC	8 - 300 VA - Push LED (3wire)	1-3	88% ~ 17%		1-3	95% ~ 3%			96% ~ 3%			97% ~ 3%		
Legrand	L4402N	R	60 ~ 500 W		N.A.	N.A.	2-3	83% ~ 5%			N.A.	N.A.	2-3	87% ~ 11%		
Merten Schneider	SBD200LED (MEG5134-0000)	LED/RC	4 ~ 200 W (RC) 4 ~ 400 W(RL)	1-3	88% ~ 3%		1-3	90% ~ 4%		3	91% ~ 3%		1-3	91% ~ 7%		
Merten Schneider	SBD315RC (MEG5136-0000)	RC RC	315 W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	93% ~ 3%		1-3	98% ~ 3%		
Merten Schneider MK - Electric	SBD420RCRL (MEG5138-0000) K1535	RLC R	20 ~ 420 VA 65 ~ 450 W - Turn	1-3	89% ~ 3% N.A.	N.A.	1-3 1-3	95% ~ 3% 80% ~ 3%		1-3 1-3	91% ~ 3% 82% ~ 3%		1-3 1-3	93% ~ 3% 84% ~ 6%		
MK - Electric	K1501 WHILV	R	60 ~ 500 W - Turn	1-3	85% ~ 3%	I GAL	1-3	90% ~ 3%		1-3	89% ~ 3%		1-3	92% ~ 3%		
MK - Electric	K4501 WHILV	RLC		1-3	88% ~ 3%		1-3	83% ~ 3%		1-3	87% ~ 3%		1-3	88% ~ 3%		
MK - Electric	K4500 WHILV	RLC		1-3	88% ~ 3%		1-3	85% ~ 3%		1-3	87% ~ 3%		1-3	87% ~ 3%		
NIKO	310-0280X	LED	2 ~ 100 VA	1-3	98% ~ 4%		1-3	95% ~ 5%		1-3	96% ~ 4%		1-3	96% ~ 5%		
PEHA	431HAN	RL	6 ~ 120 W [LED] 6~60W	1-3	88% ~ 4%		1-3	83% ~ 5%		1-3	85% ~ 12%		1-3	89% ~ 27%		
Philips	UID8670	LED	2 ~ 100 VA-LED - Push (3wire)	1-3	86% ~ 3%		1-3	89% ~ 3%		1-3	94% ~ 3%		1-3	94% ~ 3%		
Schneider	SBD315RC (SBD 315, SDD 315)	RC	315 W	1-3	93% ~ 3%		1-3	92% ~ 3%		1-3	93% ~ 3%		1-3	98% ~ 3%		
Schneider Schneider	SBD315RC (ATD315)(CCT011533) SBD200 (WDE 002299)	RC	315 W 4 ~ 400VA - Turn Universal (2wire)	1-3 1-3	93% ~ 3% 88% ~ 3%		1-3 1-3	92% ~ 3% 90% ~ 4%		1-3 3	93% ~ 3% 91% ~ 3%		1-3 1-3	98% ~ 3% 91% ~ 7%		
Schneider	SBD315RC (SBD 315)	RC	315 W	1-3	93% ~ 3%		1-3	90% ~ 4%		1-3	93% ~ 3%		1-3	98% ~ 3%		
VADSBO	ED 350	RC	50 ~ 350 W	1-3	91% ~ 5%		1-3	85% ~ 5%		1-3	89% ~ 16%		1-3	85% ~ 11%		
VADSBO	DRS 315	RC	50 ~ 315 W		N.A.	N.A.	1-3	93% ~ 3%	<2	1-3	92% ~ 3%		1-3	92% ~ 3%		
VADSBO	DU 250	RC	20 ~ 250 W	1-3	88% ~ 3%	<4	1-3	83% ~ 3%	<4	1-3	87% ~ 3%		1-3	83% ~ 3%		
Varilight	HQ3W	R		1-3	92% ~ 3%		1-3	99% ~ 3%		1-3	95% ~ 3%		1-3	95% ~ 3%		
Vimar	20148	RL	500 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	1-3	94% ~ 3%		
Vimar	14153	R		1-3	98% ~ 3%		1-3	98% ~ 3%		1-3	99% ~ 3%		1-3	99% ~ 3%		
Vimar	20160	RC RL	40 ~ 300 W		N.A.	N.A.	1-3	93% ~ 3% N.A.	<4 N A	1-3	N.A.	N.A.	1-3 1-3	92% ~ 3%		
Vimar Dynalite	DDLE801	NL		1-3	N.A. 95% ~ 3%	N.A.	1-3	N.A. 93% ~ 3%	N.A.	1-3	95% ~ 5% 92% ~ 3%		1-3	88% ~ 3% 95% ~ 3%		
Dynalite	DDMC-GRMSPLUS			1-3	98% ~ 3%		1-3	90% ~ 3%		1-3	92% ~ 3%		1-3	93% ~ 3%		
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LEDcandle / LEDlustre

				CorePro LEDbulb 11.5W-75W			(CorePro LEDbulk 16W-100W)	Master	LEDcandle / LE DimTone 4-25W	EDlustre	Master LEDcandle / LEDlustre DimTone 6-40W			
					POLIFS		n on the second									
					NEW		NEW				NEW			NEW		
	ı	I		Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	
Brand Berker INSTA	Type 286610	Type	Load	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	Ö	T.B.D.	T.B.D.	T.B.D.	
Berker INSTA	286710	RC	20 ~ 360 W - Turn	1-3	90% ~ 10%	T.B.D.	1-3	91% ~ 9%	1.5.5.	2-18	96% ~ 3%	T.B.D.	2-12	93% ~ 3%	T.B.D.	
Berker INSTA	283010	R	60 ~ 400 W - Turn	1-3	94% ~ 12%			N.A.	N.A.	2-20	89% ~ 3%	T.B.D.	2-13	89% ~ 3%	T.B.D.	
Bticino	L4407		60 ~ 250 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	
Busch Jaeger ABB	2200 U - 503	R	60 ~ 400 W - Turn	1-3	92% ~ 24%		1-3	94% ~ 25%		2-20	92% ~ 3%	T.B.D.	2-13	92% ~ 3%	T.B.D.	
Busch Jaeger ABB	2247 U	R	60 ~ 400 W - Turn	1-3	94% ~ 3%		1-3	94% ~ 3%		2-25	91% ~ 3%	T.B.D.	2-17	91% ~ 3%	T.B.D.	
Busch Jaeger ABB Busch Jaeger ABB	2250 U 6513 U - 102	RL R	20 ~ 500 W - Turn 40 ~ 420 W - Turn	1-3 1-3	96% ~ 3% 92% ~ 10%		1-3 1-3	94% ~ 3% 93% ~ 9%		2-30 2-21	88% ~ 3% 94% ~ 3%	T.B.D.	2-20 2-14	93% ~ 3% 91% ~ 3%	T.B.D.	
Busch Jaeger ABB	6523 U	LED	2 ~ 100 VA - LED - Turn	1-3	82% ~ 3%		1-3	90% ~ 3%		2-20	84% ~ 3%	T.B.D.	2-17	83% ~ 3%	T.B.D.	
Busch Jaeger ABB	6526 U	LED	2 ~ 100 VA - LED - Push (2wire)	1-3	88% ~ 23%		1-3	91% ~ 25%		2-20	88% ~ 7%	<4	2-17	88% ~ 5%	< 6	
ELKO Schneider	SBD200LED (CCTEL10501)	LED/RC	4 ~ 200 W(RC) 4 ~ 400 W(RL)	1-3	88% ~ 13%		1-3	90% ~ 13%		2-20	95% ~ 3%	T.B.D.	2-13	92% ~ 3%	T.B.D.	
ELKO Schneider	SBD315RC (315 GLE)	RC	315 W	1-3	88% ~ 3%		1-3	90% ~ 3%		2-15	88% ~ 3%	T.B.D.	2-11	87% ~ 0%	T.B.D.	
ELKO Schneider	SBD420RCRL (CCTEL13011)	RLC	315 W	1-3	92% ~ 3%		1-3	94% ~ 3%		2-20	91% ~ 3%	T.B.D.	2-14	90% ~ 3%	T.B.D.	
Eltako	EVD61NPN-UC		400 W 3 - wire Push Module	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	
Feller Schneider GIRA	40200 SBD200LED (CCTCH10601)	RLC	4 ~ 200 W (RC) 4 ~ 400 W(RL) 50 ~ 420 W	1-3	88% ~ 13% 92% ~ 20%		1-3 1-3	90% ~ 13% 93% ~ 19%		2-20 2-20	95% ~ 3%	T.B.D.	2-13 2-14	92% ~ 3% 95% ~ 5%	T.B.D.	
GIRA	2390 00/ 100	LED	7 ~ 100 W - Push (3wire)	1-3 1-3	90% ~ 3%		1-3	91% ~ 3%		2-25	95% ~ 7% 94% ~ 3%	T.B.D.	2-14	92% ~ 3%	T.B.D.	
Hager	EVN 011	RC	7 = 100 W T dair (Swite)	1-3	97% ~ 3%		1-3	96% ~ 4%		2 23	95% ~ 4%	<7	2-10	96% ~ 3%	< 10	
Hager	EVN 012	RC	300 W	1-3	95% ~ 3%		1-3	95% ~ 4%			95% ~ 4%	<7	2-10	95% ~ 3%	< 10	
Hager	EVN 004	RL		1-3	97% ~ 5%		1-3	98% ~ 4%			95% ~ 7%	<7	2-17	96% ~ 4%	< 11	
Jung	225 TDE	RC	20 ~ 525 W - Turn	1-3	90% ~ 10%		1-3	91% ~ 11%		2-26	89% ~ 3%	T.B.D.	2-18	89% ~ 3%	T.B.D.	
Jung	1271LEDDE	LED	3 ~ 100 W - Push (3wire)	1-3	90% ~ 28%		1-3	91% ~ 26%		2-25	93% ~ 4%	T.B.D.	2-17	92% ~ 3%	T.B.D.	
Klik aan Klik uit	AWMD-250	LED	3 ~ 24 W	1-3	83% ~ 25%		1-3	85% ~ 23%			78% ~ 7%	<6	2-4	77% ~ 4%	< 5	
Legrand Legrand	774161 78401	RLC	40 ~ 400 W - Turn 40 ~ 500 W	1-3	N.A. 92% ~ 5%	N.A.	1-3	N.A. 94% ~ 5%	N.A.	2-20	N.A. 95% ~ 4%	N.A. <7	2-13	N.A. 93% ~ 4%	N.A.	
Legrand	67081	RL	40 ~ 400 W - Turn	1-3	N.A.	N.A.	1-5	N.A.	N.A.	2-20	N.A.	N.A.	2-13	N.A.	N.A.	
Legrand	67082	RL	40 ~ 600 W - Turn		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	
Legrand	67083	RLC	3 ~ 400W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.	
Legrand	67084	RLC	8 - 300 VA - Push LED (3wire)	1-3	92% ~ 5%		1-3	92% ~ 5%			N.A.	N.A.		N.A.	N.A.	
Legrand	67085 (078406)	RLC	8 - 300 VA - Push LED (3wire)	1-3	94% ~ 3%		1-3	94% ~ 3%		2-15	94% ~ 3%	T.B.D.	2-10	91% ~ 3%	T.B.D.	
Legrand	L4402N	R	60 ~ 500 W	1-3	85% ~ 17%		1-3	85% ~ 16%			79% ~ 4%		8-17	79% ~ 4%		
Merten Schneider Merten Schneider	SBD200LED (MEG5134-0000)	LED/RC RC	4 ~ 200 W (RC) 4 ~ 400 W(RL)	1-3 1-3	88% ~ 13%		1-3	90% ~ 13%		2-20	95% ~ 3%	T.B.D.	2-13	92% ~ 3%	T.B.D.	
Merten Schneider	SBD315RC (MEG5136-0000) SBD420RCRL (MEG5138-0000)	RLC	20 ~ 420 VA	1-3	88% ~ 3% 92% ~ 3%		1-3 1-3	90% ~ 3% 94% ~ 3%		2-15 2-20	88% ~ 3% 91% ~ 3%	T.B.D.	2-11 2-14	87% ~ 3% 90% ~ 3%	T.B.D.	
MK - Electric	K1535	R	65 ~ 450 W - Turn	1-3	82% ~ 10%		1-3	83% ~ 9%		2-23	79% ~ 3%	T.B.D.	2-15	77% ~ 3%	T.B.D.	
MK - Electric	K1501 WHILV	R	60 ~ 500 W - Turn	1-3	78% ~ 8%		1-3	88% ~ 8%		2-25	88% ~ 3%	T.B.D.	2-17	87% ~ 3%	T.B.D.	
MK - Electric	K4501 WHILV	RLC		1-3	78% ~ 8%		1-3	88% ~ 8%			83% ~ 3%		2-7	82% ~ 3%		
MK - Electric	K4500 WHILV	RLC		1-3	78% ~ 8%		1-3	88% ~ 8%			83% ~ 3%			N.A.	N.A.	
NIKO	310-0280X	LED	2 ~ 100 VA	1-3	95% ~ 13%		1-3	95% ~ 13%		2-5	96% ~ 5%		2-3	96% ~ 4%		
PEHA	431HAN	RL	6 ~ 120 W [LED] 6~60W	1-3	88% ~ 28%		1-3	88% ~ 28%		2.20	82% ~ 7%	TD.D.	2-4	82% ~ 5%	TDD	
Philips Schneider	UID8670 SBD315RC (SBD 315, SDD 315)	RC RC	2 ~ 100 VA-LED - Push (3wire)	1-3 1-3	82% ~ 3% 88% ~ 3%		1-3 1-3	90% ~ 3% 90% ~ 3%		2-20 2-15	84% ~ 3% 88% ~ 3%	T.B.D.	2-17 2-11	83% ~ 3% 87% ~ 3%	T.B.D.	
Schneider	SBD315RC (SBD 315, SDD 315) SBD315RC (ATD315)(CCT011533)	RC	315 W	1-3	88% ~ 3%		1-3	90% ~ 3%		2-15	88% ~ 3%	T.B.D.	2-11	87% ~ 3%	T.B.D.	
Schneider	SBD200 (WDE 002299)		4 ~ 400VA - Turn Universal (2wire)	1-3	88% ~ 13%		1-3	90% ~ 13%		2-20	95% ~ 3%	T.B.D.	2-13	92% ~ 3%	T.B.D.	
Schneider	SBD315RC (SBD 315)	RC	315 W	1-3	88% ~ 3%		1-3	90% ~ 3%		2-15	88% ~ 3%	T.B.D.	2-11	87% ~ 3%	T.B.D.	
VADSBO	ED 350	RC	50 ~ 350 W	1-3	85% ~ 17%		1-3	83% ~ 15%		2-18	88% ~ 7%		2-12	84% ~ 4%		
VADSBO	DRS 315	RC	50 ~ 315 W	1-3	90% ~ 7%		1-3	91% ~ 6%		4-16	89% ~ 4%		5-11	91% ~ 4%	< 12	
VADSBO	DU 250	RC	20 ~ 250 W	1-3	80% ~ 3%		1-3	80% ~ 3%		2-13	86% ~ 3%		2-8	79% ~ 3%	< 8	
Varilight	HQ3W	R		1-3	94% ~ 3%		1-3	93% ~ 3%		2-20	91% ~ 3%	T.B.D.	2-13	90% ~ 3%	T.B.D.	
Vimar	20148	RL	500 W	1-3	94% ~ 7%		1-3	94% ~ 6%		6-25	90% ~ 3%	T.B.D.	4-17	92% ~ 3%	T.B.D.	
Vimar	14153	R		1-3	97% ~ 3%		1-3	98% ~ 3%		2-20	99% ~ 3%		2-17	96% ~ 3%	< 7	
Vimar Vimar	20160	RC RL	40 ~ 300 W	1-3 1-3	90% ~ 3% 88% ~ 3%		1-3 1-3	91% ~ 3% 91% ~ 3%		6-15	89% ~ 3% 92% ~ 3%	T.B.D.	2-10 4-10	89% ~ 3% 86% ~ 3%	< 11 T.B.D.	
Dynalite	DDLE801	111	300 11	1-3	92% ~ 3%		1-3	95% ~ 3%		2-20	92% ~ 3% 89% ~ 3%	1.0.0.	2-17	91% ~ 3%	1.0.0.	
Dynalite	DDMC-GRMSPLUS			1-3	92% ~ 3%		1-3	96% ~ 3%		2-20	92% ~ 3%		2-15	91% ~ 3%		
	1		1													

LEDbulbs

Note:

- #1) Unexpected behaviour can occur outside the range of specified number of lamps. The mentioned numbers are tested. In some cases the dimmers can be loaded with more lamps than is specified in this document (most dimmers can be loaded with LED lamps to 20% of specified power; LED dimmers can be loaded to specified power).
- #2) Occupancy sensors can act like dimmers, therefore Philips recommend to use dimmable lamps in combination with it. #3) Glowing means: a switched off dimmer still having the possibility that a small light output is visible. This status can occur when a low quantity of lamps is connected.
- #4) Yellow cells indication: Sometimes flickering is observed due to low dimmer loads, best visible at deep dimming.
 #4a) Yellow cells indication: Dimming performance: LED's have much lower load (wattage) than traditional lightsources (e.g. flickering where "active loads" can reduce your problems).
 #4b) Yellow cells indication: Dimming range, minimum dim level with the indicated dimmer will be somewhere between 10%-30%.

- #5) Various dimmer suppliers offer "active loads" (e.g. Busch Jaeger Kompensator 6596) to optimize dimming performance in case of lamp-dimmer system issues. Using double pole switches will prevent glowing issues.
 #7) This list is based on measurements in a lab environment with nominal voltage, a different voltage will result in a different dimming range. Therefor we indicated 3% as minimum lightlevel as labcondition.
 #8) Dimmermanufacturers may change the technical design of the dimmer without informing LED lamp suppliers. These changes can influence the performace of LED products.
 - $Philips\ cannot\ be\ held\ responsible\ for\ inaccuracies\ in\ the\ compatibility\ lists\ due\ to\ technical\ changes\ in\ dimmers.$



