

Professional LED Mains Voltage 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	See note below
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
	Dimmer lamp combination not tested

This document is for information purposes and must be treated as recommendation. Signify attempted to provide best results, results are generated in lab conditions and might contain faults

			LEDspot								
			MASTER LEDspot ExpertColor MV D 3.9-35W GU10 CRI97 9290013464			MASTER LEDspot ExpertColor 5.5-50W GU10 CRI97 9290013470			MASTER LEDspot VLE DT 6.2-80W GU10 CRI90 9290020659		
			Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker INSTA	286710	[RC] 20 - 360 W - Turn	2 - 5 (max 18)	88%-7%		2 - 5 (max 9)	91%-5%		1 - 5	92%-5%	
Berker INSTA	283010	[R] 60 - 400 W - Turn	2 - 5 (max 20)	93%-6%		2 - 3	95%-5%		1 - 5	45%-3%	
Bticino	L4407	[] 60 - 250 W		N.A.	N.A.						
Busch Jaeger ABB	2200 U - 503	[R] 60 - 400 W - Turn	2 - 5 (max 20)	83%-17%		2 - 5 (max 14)	94%-17%		1 - 5	42%-3%	
Busch Jaeger ABB	2247 U	[RL] 20 - 500 W - Turn	2 - 5 (max 20)	95%-3%		2 - 5 (max 14)	95%-3%		1 - 5	95%-3%	
Busch Jaeger ABB	2250 U	[R] 60 - 600 W - Turn	2 - 5 (max 25)	93%-3%		2 - 5 (max 18)	96%-3%		1 - 5	95%-3%	
Busch Jaeger ABB	6513 U - 102	[RC] 40 - 420 W - Turn	2 - 5 (max 21)	92%-4%		2 - 5 (max 15)	94%-6%		1 - 5	96%-6%	
Busch Jaeger ABB	6523 U	[LED] 2 - 100 VA - LED - Turn	2 - 5 (max 25)	92%-4%		2 - 5 (max 18)	91%-3%		1 - 5	82%-5%	
Busch Jaeger ABB	6526 U	[LED] 2 - 100 VA - LED - Push (2wire)	2 - 19	92%-3%							
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	2 - 5 (max 10)	89%-11%		2 - 5 (max 7)	90%-8%		1 - 5	91%-6%	
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W	2 - 5 (max 16)	88%-3%		2 - 5 (max 11)	91%-3%		1 - 5	93%-3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420W	2 - 5 (max 21)	94%-3%		2 - 5 (max 15)	96%-3%		1 - 5	96%-6%	
Eltako	EVD6INPN-UC	400W 3-wire Push Module									
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)	2 - 5 (max 10)	89%-11%		2 - 5 (max 7)	90%-8%		1 - 5	91%-6%	
Feller Schneider	40300 (SBD315)	[RLC] 300 W	2 - 5 (max 16)	88%-3%		2 - 5 (max 11)	91%-3%		1 - 5	93%-3%	
Feller Schneider	40420 (SBD420)	[RLC] 420 W	2 - 5 (max 21)	94%-3%		2 - 5 (max 15)	96%-3%		1 - 5	96%-6%	
GIRA	1176-00/01	[RLC] 50 - 420 W	2 - 19	91%-12%							
GIRA	2390 00/ 100	[LED] 7 - 100 W - Push (3wire)	2 - 5 (max 25)	86%-24%		2 - 5 (max 18)	91%-25%				
Hager	EVN 011	[RC] 300 VA	2 - 15	96%-10%							
Hager	EVN 012	[RC] 300 W	2 - 15	96%-9%							
Hager	EVN 004	[RL] 500 VA	2 - 19	96%-10%							
Jung	225 TDE	[RC] 20 - 525 W - Turn	2 - 5 (max 26)	91%-3%		2 - 5 (max 19)	93%-11%		1 - 5	94%-6%	
Jung	1271LEDDE	[LED] 3 - 100 W - Push (3wire)	2 - 5 (max 25)	89%-3%		2 - 5 (max 18)	92%-3%				
Klik aan Klik uit	AWMD-250	[LED] 3 - 24 W	3 - 6	72%-17%							
Klik aan Klik uit	ACM 300	300 W - 3-wire Push LED Dimmer	2 - 15	89%-3%							
Legrand	774161	[RL] 40 - 400 W - Turn	5	95%-3%			N.A.	N.A.			
Legrand	78401	[RLC] 40 - 500 W	2 - 19	91%-1%							
Legrand	67081	[RL] 40 - 400 W - Turn	3 - 5 (max 20)	93%-3%		2 - 5 (max 14)	96%-3%				
Legrand	67082	[RL] 40 - 600 W - Turn	5	95%-5%		3 - 5 (max 14)	96%-3%				
Legrand	67083	[RLC] 3 - 400 W	3 - 4	86%-3%							
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)	2 - 5 (max 15)	93%-3%		2 - 5 (max 10)	93%-3%		1 - 5	95%-3%	
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)	2 - 5 (max 15)	97%-3%		2 - 5 (max 10)	98%-3%				
Legrand	L4402N	[R] 60-500 W	3 - 19	86%-11%							
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200W(RC) 4 - 400W(RL)	2 - 5 (max 10)	89%-11%		2 - 5 (max 7)	90%-8%		1 - 5	91%-6%	
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W	2 - 5 (max 16)	88%-3%		2 - 5 (max 11)	91%-3%		1 - 5	93%-3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC] 20 - 420 VA	2 - 5 (max 21)	94%-3%		2 - 5 (max 15)	96%-3%		1 - 5	96%-6%	
MK - Electric	K1535	[R] 65 - 450 W - Turn	2 - 5 (max 23)	71%-3%		2 - 5 (max 16)	80%-4%		1 - 5	31%-3%	
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn	2 - 5 (max 25)	77%-3%		2 - 5 (max 18)	87%-3%		1 - 5	86%-3%	
MK - Electric	K4501 WHILV	[RLC] 180 W	2 - 11	84%-3%							
MK - Electric	K4500 WHILV	[RLC] 400 W	2 - 16	86%-3%							
NIKO	310-0280X	[LED] 2 - 100 VA	2 - 5	96%-3%							
PEHA	431HAN	[RL] 6 - 120 W [LED] 6 - 60 W	2 - 6	80%-3%							
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3 wire)	2 - 5 (max 25)	92%-4%		2 - 5 (max 18)	91%-3%		1 - 5	82%-5%	
RELCO	RP0977	[LED] 4 - 100 W	2 - 5	96%-16%					1 - 5	99%-3%	
RELCO	RM0545	[LED] 4 - 100 W	2 - 5	88%-3%					1 - 5	96%-3%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W	2 - 5 (max 16)	88%-3%		2 - 5 (max 11)	91%-3%		1 - 5	93%-3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W	2 - 5 (max 16)	88%-3%		2 - 5 (max 11)	91%-3%		1 - 5	93%-3%	
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2 wire)	2 - 5 (max 10)	89%-11%		2 - 5 (max 7)	90%-8%		1 - 5	91%-6%	
Schneider	SBD315RC (SBD 315)	[RC] 315 W	2 - 5 (max 16)	88%-3%		2 - 5 (max 11)	91%-3%		1 - 5	93%-3%	
VADSBO	ED 350	[RC] 50 - 350 W	2 - 18	86%-10%							
VADSBO	DRS 315	[RC] 50 - 315 W	2 - 16	92%-5%							
VADSBO	DU 250	[RC] 20 - 250 W	2 - 13	70%-3%							
Varilight	HQ3W	[R] 60 - 400 W	2 - 5 (max 20)	91%-3%		2 - 5 (max 14)	92%-3%		1 - 5	50%-3%	
Varilight	ICT401 M	[RC] 20 - 400 W	2 - 19	75%-3%							
Vimar	20148	[RL] 500 W	2 - 5 (max 25)	93%-3%	< 6	2 - 5 (max 18)	94%-3%	< 5			
Vimar	14153	[R]	2 - 19	99%-3%							
Vimar	20160	[RC]	2 - 15	90%-3%							
Vimar	20162	[RL] 40 - 300 W	2 - 5 (max 15)	91%-3%	< 6	2 - 5 (max 10)	90%-3%	< 6			
IKEA	E0902 - Dim	[R] 25 - 150 W	2 - 5 (max)	93%-7%		2	95%-6%				
Philips Dynalite	DDLE801	(100 W per channel)	2 - 5	79%-3%		2 - 5	90%-3%				
Philips Dynalite	DDTM102 Module	(460 W per channel)	2 - 5 (max 20)	87%-3%		2 - 5 (max 16)	90%-3%				

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x-y	Excellent dimming with X-Y lamps, however external factors can negatively influence the deep dimming performance
x-y	See note below
■	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
□	Dimmer lamp combination not tested

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Berker INSTA	286710	[RC] 20 - 360 W - Turn
Berker INSTA	283010	[R] 60 - 400 W - Turn
Bticino	L4407	[] 60 - 250 W
Busch Jaeger ABB	2200 U - 503	[R] 60 - 400 W - Turn
Busch Jaeger ABB	2247 U	[RL] 20 - 500 W - Turn
Busch Jaeger ABB	2250 U	[R] 60 - 600 W - Turn
Busch Jaeger ABB	6513 U - 102	[RC] 40 - 420 W - Turn
Busch Jaeger ABB	6523 U	[LED] 2 - 100 VA - LED - Turn
Busch Jaeger ABB	6526 U	[LED] 2 - 100 VA - LED - Push (2wire)
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315 W
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420 W
Eltako	EVD6INPN-UC	400 W 3-wire Push Module
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)
Feller Schneider	40300 (SBD315)	[RLC] 300 W
Feller Schneider	40420 (SBD420)	[RLC] 420 W
GIRA	1176-00/01	[RLC] 50 - 420 W
GIRA	2390 00/ 100	[LED] 7 - 100 W - Push (3wire)
Hager	EVN 011	[RC] 300 VA
Hager	EVN 012	[RC] 300 W
Hager	EVN 004	[RL] 500 VA
Jung	225 TDE	[RC] 20 - 525 W - Turn
Jung	1271LEDDE	[LED] 3 - 100 W - Push (3wire)
Klik aan Klik uit	AWMD-250	[LED] 3 - 24 W
Klik aan Klik uit	ACM 300	300 W - 3-wire Push LED Dimmer
Legrand	774161	[RL] 40 - 400 W - Turn
Legrand	78401	[RLC] 40 - 500 W
Legrand	67081	[RL] 40 - 400 W - Turn
Legrand	67082	[RL] 40 - 600 W - Turn
Legrand	67083	[RLC] 3 - 400 W
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)
Legrand	L4402N	[R] 60 - 500 W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC] 20 - 420 VA
MK - Electric	K1535	[R] 65 - 450 W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180 W
MK - Electric	K4500 WHILV	[RLC] 400 W
NIKO	310-0280X	[LED] 2 - 100 VA
PEHA	431HAN	[RL] 6 - 120 W [LED] 6 - 60 W
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100 W
RELCO	RM0545	[LED] 4 - 100 W
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2wire)
Schneider	SBD315RC (SBD 315)	[RC] 315 W
VADSBO	ED 350	[RC] 50 - 350 W
VADSBO	DRS 315	[RC] 50 - 315 W
VADSBO	DU 250	[RC] 20 - 250 W
Varilight	HQ3W	[R] 60 - 400 W
Varilight	ICT401 M	[RC] 20 - 400 W
Vimar	20148	[RL] 500 W
Vimar	14153	[R]
Vimar	20160	[RC]
Vimar	20162	[RL] 40 - 300 W
IKEA	E0902 - Dim	[R] 25 - 150 W
Philips Dynalite	DDLE801	(100 W per channel)
Philips Dynalite	DDTM102 Module	(460 W per channel)

CorePro LEDspot D 4-35W GU10 CRI80 9290012186			LEDspot CorePro LEDspot D 5-50W GU10 CRI80 9290012188			MASTER LEDspot VLE D 5-50W GU10 827 36D 5CT 9290019947 D 5-50W GU10 830 36D 5CT 9290023484		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-14	96% - 25%		2-15	85%-19%		1-14	94% - 24%	
1-16	95% - 24%		2-15	88%-19%		1-16	99% - 24%	
				N.A.	N.A.			
1-16	97% - 26%		2-15	89%-17%		1-16	98% - 27%	
1-20	96% - 23%		2-18	97%-6%		1-20	98% - 25%	
1-20	97% - 1%		2-20	98%-4%		1-20	99% - 1%	
1-17	96% - 26%		2-15	87%-20%		1-17	95% - 27%	
1-20	93% - 25%		2-20	93%-17%		1-20	95% - 24%	
1-8	96% - 26%		2-18	96%-18%				
1-13	96% - 12%		2-15	85%-23%		1-8	96% - 26%	
			2-11	91%-5%		1-13	94% - 11%	
			2-15	97%-13%				
			2-15	99%-14%	< 16			
1-8	96% - 26%		2-15	85%-23%		1-8	96% - 26%	
			2-15	95%-32%				
			2-18	90%-14%				
			2-11	97%-16%	< 12			
			2-11	97%-16%	< 12			
			2-18	97%-16%				
1-20	100% - 26%		2-15	87%-22%		1-20	97% - 26%	
			2-20	88%-35%				
			2-4	87%-37%				
				N.A.	N.A.			
				N.A.	N.A.			
			2-15	92%-16%	< 3			
				N.A.	N.A.			
				N.A.	N.A.			
				N.A.	N.A.			
1-16	96% - 0%		2-15	88%-15%		1-16	93% - 0%	
			2-11	99%-3%				
			3-18	86%-28%				
1-8	96% - 26%		2-15	85%-23%		1-8	96% - 26%	
1-13	96% - 12%		2-11	91%-5%		1-13	94% - 11%	
1-17	96% - 25%		2-15	97%-13%		1-17	97% - 24%	
1-18	85% - 19%		2-15	77%-15%		1-18	84% - 19%	
1-20	90% - 17%		2-18	81%-17%		1-20	91% - 16%	
			2-8	90%-19%				
			2-15	88%-19%				
			2-4	97%-7%				
			2-4	87%-10%				
1-20	93% - 25%		2-20	93%-17%		1-20	95% - 24%	
						1-20	98% - 0%	
1-13	96% - 12%		2-11	91%-5%		1-13	94% - 11%	
1-13	96% - 12%		2-11	91%-5%		1-13	94% - 11%	
			2-15	85%-23%				
1-13	96% - 12%		2-11	91%-5%		1-13	94% - 11%	
			2-13	88%-29%				
			3-11	97%-21%	< 12			
			2-9	89%-9%	< 10			
1-16	96% - 25%		2-15	88%-8%		1-16	95% - 20%	
			2-15	92%-7%				
			2-18	88%-16%	< 4			
			2-18	97%-9%				
			2-18	94%-12%	< 19			
			2-11	84%-11%	< 4			
			2-18	88%-9%				
			2-16	90%-3%				

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x-y	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
N.A.	Dimmer lamp combination not tested

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			LEDspot								
			MASTER LEDspot VLE DimTone 3.7-35W GU10 CRI90 9290013500			MASTER LEDspot VLE DimTone 4.9-50W 36D GU10 CRI90 9290013503			MASTER LEDspot VALUE D 3.7-35W GU10 36D 927 CRI90 9290013482 GU10 60D 930 CRI90 9290013483 GU10 60D 940 CRI90 9290013484		
			Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker INSTA	286710	[RC] 20 - 360 W - Turn	2 - 8 (max 19)	94%-8%		2 - 8 (max 14)	92%-3%		2 - 5 (max 19)	96%-31%	
Berker INSTA	283010	[R] 60 - 400 W - Turn	2 - 8 (max 21)	87%-3%		2 - 8 (max 16)	93%-3%		2 - 5 (max 21)	88%-16%	
Bticino	L4407	[] 60 - 250 W		N.A.	N.A.		N.A.	N.A.		N.A.	N.A.
Busch Jaeger ABB	2200 U - 503	[R] 60 - 400 W - Turn	2 - 8 (max 21)	86%-4%		2 - 8 (max 16)	92%-3%		3 - 5 (max 21)	88%-31%	
Busch Jaeger ABB	2247 U	[RL] 20 - 500 W - Turn	2 - 8 (max 21)	86%-3%		2 - 8 (max 16)	94%-3%		2 - 5 (max 21)	87%-6%	
Busch Jaeger ABB	2250 U	[R] 60 - 600 W - Turn	2 - 8 (max 27)	89%-3%		2 - 8 (max 20)	94%-3%		2 - 5 (max 27)	91%-4%	
Busch Jaeger ABB	6513 U - 102	[RC] 40 - 420 W - Turn	2 - 8 (max 22)	86%-4%		2 - 8 (max 17)	94%-3%		2 - 5 (max 22)	98%-23%	
Busch Jaeger ABB	6523 U	[LED] 2 - 100 VA - LED - Turn	2 - 8 (max 27)	89%-3%		2 - 8 (max 20)	89%-3%		2 - 5 (max 27)	90%-3%	
Busch Jaeger ABB	6526 U	[LED] 2 - 100 VA - LED - Push (2wire)	2 - 20	95%-6%		2 - 20	91%-5%		2 - 20	92%-17%	< 5
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)		N.A.	N.A.	2 - 8	92%-3%			N.A.	N.A.
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315 W	3 - 8 (max 17)	95%-3%		2 - 8 (max 12)	92%-3%		3 - 5 (max 17)	96%-9%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420 W		N.A.	N.A.	3 - 8 (max 17)	95%-3%			N.A.	N.A.
Eltako	EVD6INPN-UC	400 W 3-wire Push Module	2 - 20	94%-10%		2 - 16	96%-3%		2 - 20	98%-11%	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)		N.A.	N.A.	2 - 8	92%-3%			N.A.	N.A.
Feller Schneider	40300 (SBD315)	[RLC] 300 W	3 - 8 (max 17)	95%-3%		2 - 8 (max 12)	92%-3%		3 - 5 (max 17)	96%-9%	
Feller Schneider	40420 (SBD420)	[RLC] 420 W		N.A.	N.A.	3 - 8 (max 17)	95%-3%			N.A.	N.A.
GIRA	1176-00/01	[RLC] 50 - 420 W	2 - 20	94%-11%		2 - 17	94%-9%		2 - 20	90%-29%	< 9
GIRA	2390 00/ 100	[LED] 7 - 100 W - Push (3wire)	3 - 8 (max 27)	90%-3%		3 - 8 (max 20)	91%-3%		3 - 8 (max 27)	91%-15%	< 3
Hager	EVN 011	[RC] 300 VA	2 - 16	98%-8%		2 - 12	94%-7%		2 - 16	96%-22%	< 10
Hager	EVN 012	[RC] 300 W	2 - 16	98%-8%		2 - 12	94%-7%		2 - 16	96%-22%	< 11
Hager	EVN 004	[RL] 500 VA	2 - 20	98%-8%		2 - 20	95%-7%		2 - 20	95%-22%	< 11
Jung	225 TDE	[RC] 20 - 525 W - Turn	2 - 8 (max 28)	96%-8%		2 - 8 (max 21)	91%-3%		2 - 5 (max 28)	94%-33%	
Jung	127ILEDDE	[LED] 3 - 100 W - Push (3wire)	2 - 8 (max 27)	91%-3%		2 - 8 (max 20)	91%-3%		2 - 5 (max 27)	89%-13%	
Klik aan Klik uit	AWMD-250	[LED] 3- 24 W	2 - 6	84%-11%		2 - 5	80%-11%			82%-30%	< 7
Klik aan Klik uit	ACM 300	300 W - 3-wire Push LED Dimmer	2 - 16	99%-3%		2 - 12	87%-3%			89%-14%	< 7
Legrand	774161	[RL] 40 - 400 W - Turn		N.A.	N.A.	2 - 8 (max 16)	95%-3%	< 4		N.A.	N.A.
Legrand	78401	[RLC] 40 - 500 W	2 - 20	93%-4%		2 - 16	91%-3%		2 - 20	91%-14%	
Legrand	67081	[RL] 40 - 400 W - Turn		N.A.	N.A.	3 - 8 (max 16)	95%-3%			N.A.	N.A.
Legrand	67082	[RL] 40 - 600 W - Turn		N.A.	N.A.	3 - 8 (max 24)	94%-3%			N.A.	N.A.
Legrand	67083	[RLC] 3 - 400 W	2 - 20	89%-3%		2 - 16	85%-2%			83%-11%	
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)	2 - 8 (max 16)	96%-4%	< 3	2 - 8 (max 12)	93%-3%	< 4	2 - 5 (max 16)	96%-22%	< 5
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)	2 - 8 (max 16)	99%-3%		2 - 8 (max 12)	95%-3%		2 - 5 (max 16)	97%-3%	
Legrand	L4402N	[R] 60-500 W	3 - 20	87%-10%		2 - 20	84%-8%		5 - 20	88%-28%	
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)		N.A.	N.A.	2 - 8	92%-3%			N.A.	N.A.
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W	3 - 8 (max 17)	95%-3%		2 - 8 (max 12)	92%-3%		3 - 5 (max 17)	96%-9%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC] 20-420 VA		N.A.	N.A.	3 - 8 (max 17)	95%-3%			N.A.	N.A.
MK - Electric	K1535	[R] 65 - 450 W - Turn	2 - 8 (max 24)	52%-3%		2 - 8 (max 18)	70%-3%		2 - 8 (max 24)	71%-15%	
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn	2 - 8 (max 27)	80%-3%		2 - 8 (max 20)	87%-3%		2 - 8 (max 27)	79%-17%	
MK - Electric	K4501 WHILV	[RLC] 180 W	2 - 12	86%-4%		2 - 9	86%-4%		2 - 12	85%-15%	
MK - Electric	K4500 WHILV	[RLC] 400 W	2 - 20	86%-5%		2 - 13	86%-4%		2 - 17	87%-15%	
NIKO	310-0280X	[LED] 2 - 100 VA	2 - 5	99%-3%		2 - 4	95%-3%		2 - 5	96%-6%	
PEHA	431HAN	[RL] 6-120 W [LED] 6 - 60 W	2 - 6	85%-3%		2 - 5	84%-3%		2 - 6	84%-6%	
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3wire)	2 - 8 (max 27)	89%-3%		2 - 8 (max 20)	89%-3%		2 - 5 (max 27)	90%-3%	
RELCO	RP0977	[LED] 4 - 100 W	2 - 5	99%-13%		2 - 4	75%-11%		2 - 5	97%-32%	
RELCO	RM0545	[LED] 4 - 100 W	2 - 5	90%-10%		2 - 4	87%-4%		2 - 5	88%-15%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W	3 - 8 (max 17)	95%-3%		2 - 8 (max 12)	92%-3%		3 - 5 (max 17)	96%-9%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W	3 - 8 (max 17)	95%-3%		2 - 8 (max 12)	92%-3%		3 - 5 (max 17)	96%-9%	
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2wire)		N.A.	N.A.	2 - 8	92%-3%			N.A.	N.A.
Schneider	SBD315RC (SBD 315)	[RC] 315 W	3 - 8 (max 17)	95%-3%		2 - 8 (max 12)	92%-3%		3 - 5 (max 17)	96%-9%	
VADSBO	ED 350	[RC] 50 - 350 W	2 - 20	88%-10%		2 - 14	85%-8%		2 - 19	89%-29%	
VADSBO	DRS 315	[RC] 50 - 315 W	3 - 17	93%-6%		2 - 13	90%-5%		3 - 17	92%-18%	< 18
VADSBO	DU 250	[RC] 20 - 250 W	2 - 14	84%-3%	< 15	2 - 10	77%-3%	< 11	3 - 14	83%-9%	< 15
Varilight	HQ3W	[R] 60 - 400 W	2 - 8 (max 21)	85%-3%		2 - 8 (max 16)	92%-3%		2 - 5 (max 21)	84%-8%	
Varilight	ICT401 M	[RC] 20 - 400 W	2 - 20	84%-3%		2 - 16	79%-3%		2 - 20	83%-3%	< 7
Vimar	20148	[RL] 500 W	2 - 8 (max 27)	87%-3%	< 8	3 - 8 (max 20)	92%-3%	< 9	3 - 8 (max 27)	85%-17%	< 6
Vimar	14153	[R]	2 - 20	99%-3%		2 - 20	97%-3%			97%-4%	
Vimar	20160	[RC]	2 - 20	86%-5%		2 - 12	89%-3%	< 13	3 - 16	91%-11%	< 17
Vimar	20162	[RL] 40 - 300 W	2 - 8 (max 16)	94%-4%	< 8	2 - 8 (max 12)	92%-3%	< 9	3 - 8 (max 16)	92%-25%	< 6
IKEA	E0902 - Dim	[R] 25 - 150 W	2 - 8 (max)	87%-3%		2 - 8 (max)	93%-3%		2 - 8 (max)	89%-16%	
Philips Dynalite	DDLE801	(100 W per channel)	2 - 8	90%-3%		2 - 8	89%-3%		2 - 8	88%-8%	
Philips Dynalite	DDTM102 Module	(460 W per channel)	2 - 8 (max 24)	94%-3%		2 - 8 (max 18)	89%-3%		2 - 8 (max 24)	92%-3%	

Professional LED Mains Voltage 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	See note below
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
	Dimmer lamp combination not tested

This document is for information purposes and must be treated as recommendation. Signify attempted to provide best results, results are generated in lab conditions and might contain faults

			LEDspot								
			MASTER LEDspot VLE D 4.9-50W GU10 CRI90 9290013488			MASTER LEDspot VALUE D 6.2-80W GU10 36D 927 CRI90 9290020595 / 930 CRI90 9290020684 / 940 CRI90 9290020660 / 965 CRI90 9290022099 MAS LED spot VLE D 650lm GU10 930 120D 9290022100			CorePro LEDspot D 4-35W GU10 CRI80 36D 9290012186		
			Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
Berker INSTA	286710	[RC] 20 - 360 W - Turn	2 - 5 (max 14)	93%-26%		2 - 5	89% - 20%		2 - 8	94%-8%	
Berker INSTA	283010	[R] 60 - 400 W - Turn	2 - 5 (max 16)	98%-23%		2 - 5	93% - 20%		2 - 8	87%-3%	
Bticino	L4407	[] 60 - 250 W		N.A.	N.A.					N.A.	N.A.
Busch Jaeger ABB	2200 U - 503	[R] 60 - 400 W - Turn	2 - 5 (max 16)	92%-34%		2 - 5	91%-17%		2 - 8	86%-4%	
Busch Jaeger ABB	2247 U	[RL] 20 - 500 W - Turn	2 - 5 (max 16)	95%-9%		2 - 5	93%-7%		2 - 8	86%-3%	
Busch Jaeger ABB	2250 U	[R] 60 - 600 W - Turn	2 - 5 (max 20)	98%-5%		2 - 5	95%-4%		2 - 8	89%-3%	
Busch Jaeger ABB	6513 U - 102	[RC] 40 - 420 W - Turn	2 - 5 (max 17)	96%-21%		2 - 5	92%-18%		2 - 8	96%-4%	
Busch Jaeger ABB	6523 U	[LED] 2 - 100 VA-LED - Turn	2 - 5 (max 20)	93%-3%		2 - 5	88%-3%		2 - 8	89%-3%	
Busch Jaeger ABB	6526 U	[LED] 2 - 100 VA-LED - Push (2wire)	2 - 20	95%-16%					2 - 20	93%-3%	
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	2 - 5	93%-28%		2 - 5	90%-24%			N.A.	N.A.
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315 W	2 - 5 (max 12)	94%-7%		2 - 5	89%-4%		3 - 8	95%-3%	
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420 W	2 - 5 (max 17)	97%-15%		2 - 5	95%-12%			N.A.	N.A.
Eltako	EVD6INPN-UC	400 W 3-wire Push Module	2 - 16	99%-10%					2 - 20	99%-3%	
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200 W(RC) 4 - 400 W(RL)	2 - 5	93%-28%		2 - 5	90%-24%			N.A.	N.A.
Feller Schneider	40300 (SBD315)	[RLC] 300 W	2 - 5 (max 12)	94%-7%		2 - 5	89%-4%		3 - 8	95%-3%	
Feller Schneider	40420 (SBD420)	[RLC] 420 W	2 - 5 (max 17)	97%-15%		2 - 5	95%-12%			N.A.	N.A.
GIRA	1176-00/01	[RLC] 50 - 420 W	2 - 17	93%-27%					2 - 20	93%-3%	
GIRA	2390 00/ 100	[LED] 7 - 100 W - Push (3wire)	2 - 5 (max 20)	91%-14%		2 - 5	88%-36%		2 - 8	91%-3%	
Hager	EVN 011	[RC] 300 VA	2 - 12	98%-21%					2 - 17	98%-5%	
Hager	EVN 012	[RC] 300 W	2 - 12	97%-21%					2 - 17	98%-5%	
Hager	EVN 004	[RL] 500 VA	2 - 20	99%-21%					2 - 17	98%-5%	
Jung	225 TDE	[RC] 20 - 525 W - Turn	2 - 5 (max 21)	93%-28%		2 - 5	89%-19%		2 - 8	96%-8%	
Jung	127ILEDDE	[LED] 3 - 100 W - Push (3wire)	2 - 5 (max 20)	93%-13%		2 - 5	88%-11%		2 - 8	91%-3%	
Klik aan Klik uit	AWMD-250	[LED] 3- 24 W	2 - 5	84%-32%					2 - 7	83%-7%	<3
Klik aan Klik uit	ACM 300	300 W - 3-wire Push LED Dimmer		90%-14%					2 - 17	80%-3%	
Legrand	774161	[RL] 40 - 400 W - Turn		N.A.	N.A.	2 - 5	94%-17%			N.A.	N.A.
Legrand	78401	[RLC] 40 - 500W	2 - 16	93%-11%	<3				2 - 20	95%-3%	
Legrand	67081	[RL] 40 - 400 W - Turn		N.A.	N.A.	2 - 5	93%-15%			N.A.	N.A.
Legrand	67082	[RL] 40 - 600 W - Turn		N.A.	N.A.	2 - 5	95%-17%			N.A.	N.A.
Legrand	67083	[RLC] 3 - 400 W		96%-10%					2 - 20	84%-3%	
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)	2 - 5 (max 12)	95%-18%	<3	2 - 5	93%-13%		2 - 8	96%-4%	<3
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)	2 - 5 (max 12)	98%-3%		2 - 5	97%-3%		2 - 8	99%-3%	
Legrand	L4402N	[R] 60-500 W	2 - 20	93%-28%						N.A.	N.A.
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200 W(RC) 4-400 W(RL)	2 - 5	93%-28%		2 - 5	90%-24%			N.A.	N.A.
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W	2 - 5 (max 12)	94%-7%		2 - 5	89%-4%		3 - 8	95%-3%	
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC] 20-420 VA	2 - 5 (max 17)	97%-15%		2 - 5	95%-12%			N.A.	N.A.
MK - Electric	K1535	[R] 65 - 450 W - Turn	2 - 8 (max 18)	85%-19%		2 - 5	81%-17%			N.A.	N.A.
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn	2 - 8 (max 20)	91%-18%		2 - 5	86%-15%		2 - 8	80%-3%	
MK - Electric	K4501 WHILV	[RLC] 180 W	2 - 9	86%-15%					2 - 13	78%-3%	
MK - Electric	K4500 WHILV	[RLC] 400 W	2 - 13	87%-15%					2 - 20	77%-3%	
NIKO	310-0280X	[LED] 2 - 100 VA	2 - 4	96%-5%					2 - 6	98%-3%	
PEHA	431HAN	[RL] 6-120 W [LED] 6 - 60 W	2 - 5	86%-7%					2 - 3	76%-3%	
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3wire)	2 - 5 (max 20)	93%-3%		2 - 5	88%-3%		2 - 8	89%-3%	
RELCO	RP0977	[LED] 4 - 100 W	2 - 4	97%-29%					2 - 6	97%-9%	
RELCO	RM0545	[LED] 4 - 100 W	2 - 4	89%-14%					2 - 6	94%-3%	
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W	2 - 5 (max 12)	94%-7%		2 - 5	89%-4%		3 - 8	95%-3%	
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W	2 - 5 (max 12)	94%-7%		2 - 5	89%-4%		3 - 8	95%-3%	
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2wire)	2 - 5	93%-28%		2 - 5	90%-24%			N.A.	N.A.
Schneider	SBD315RC (SBD 315)	[RC] 315 W	2 - 5 (max 12)	94%-7%		2 - 5	89%-4%		3 - 8	95%-3%	
VADSBO	ED 350	[RC] 50 - 350 W	2 - 14	87%-25%					2 - 20	90%-7%	
VADSBO	DRS 315	[RC] 50 - 315 W	2 - 13	93%-17%	< 14					N.A.	N.A.
VADSBO	DU 250	[RC] 20 - 250 W	2 - 10	83%-7%	< 11				2 - 14	91%-3%	
Varilight	HQ3W	[R] 60 - 400 W	2 - 5 (max 16)	97%-11%		2 - 5	91%-10%		2 - 8	85%-3%	
Varilight	ICT401 M	[RC] 20 - 400 W	2 - 16	84%-3%					2 - 20	84%-3%	
Vimar	20148	[RL] 500 W	3 - 5 (max 20)	95%-17%	< 6	2 - 5	93%-14%	< 6	2 - 8	87%-3%	< 9
Vimar	14153	[R]	< 6	99%-3%					2 - 8	97%-3%	
Vimar	20160	[RC]	2 - 12	96%-9%	< 13				2 - 20	83%-3%	< 9
Vimar	20162	[RL] 40 - 300 W	2 - 5 (max 12)	94%-18%	< 6	2 - 5	90%-13%	< 6	2 - 8	94%-4%	< 9
IKEA	E0902 - Dim	[R] 25 - 150 W	2 - 5 (max)	97%-22%		2 - 5	94%-3%		2 - 8	87%-3%	< 2
Philips Dynalite	DDLE801	(100 W per channel)	2 - 8	93%-9%		2 - 5	88%-8%		2 - 8	90%-3%	
Philips Dynalite	DDTM102 Module	(460 W per channel)	2 - 8 (max 18)	95%-5%		2 - 5	90%-4%		2 - 8	94%-3%	

Professional LED Mains Voltage 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	See note below
	Unexpected performance behavior, not in line with good dimming perception
N.A.	Dimmer lamp combination not applicable
	Dimmer lamp combination not tested

This document is for information purposes and must be treated as recommendation. Signify attempted to provide best results, results are generated in lab conditions and might contain faults

Berker INSTA	286710	[RC] 20 - 360 W - Turn
Berker INSTA	283010	[R] 60 - 400 W - Turn
Bticino	L4407	[] 60 - 250 W
Busch Jaeger ABB	2200 U - 503	[R] 60 - 400 W - Turn
Busch Jaeger ABB	2247 U	[RL] 20 - 500 W - Turn
Busch Jaeger ABB	2250 U	[R] 60 - 600 W - Turn
Busch Jaeger ABB	6513 U - 102	[RC] 40 - 420 W - Turn
Busch Jaeger ABB	6523 U	[LED] 2 - 100 VA-LED - Turn
Busch Jaeger ABB	6526 U	[LED] 2 - 100 VA-LED - Push (2wire)
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 - 200 W(RC) 4-400 W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315 W
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420 W
Eltako	EVD6INPN-UC	400 W 3-wire Push Module
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 - 200 W(RC) 4-400 W(RL)
Feller Schneider	40300 (SBD315)	[RLC] 300 W
Feller Schneider	40420 (SBD420)	[RLC] 420 W
GIRA	1176-00/01	[RLC] 50 - 420 W
GIRA	2390 00/ 100	[LED] 7 - 100 W - Push (3wire)
Hager	EVN 011	[RC] 300 VA
Hager	EVN 012	[RC] 300 W
Hager	EVN 004	[RL] 500 VA
Jung	225 TDE	[RC] 20 - 525 W - Turn
Jung	127ILEDDE	[LED] 3 - 100 W - Push (3wire)
Klik aan Klik uit	AWMD-250	[LED] 3- 24 W
Klik aan Klik uit	ACM 300	300 W - 3-wire Push LED Dimmer
Legrand	774161	[RL] 40 - 400 W - Turn
Legrand	78401	[RLC] 40 - 500 W
Legrand	67081	[RL] 40 - 400 W - Turn
Legrand	67082	[RL] 40 - 600 W - Turn
Legrand	67083	[RLC] 3 - 400 W
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)
Legrand	L4402N	[R] 60-500 W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 - 200 W(RC) 4-400 W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315 W
Merten Schneider	SBD420RCRL (MEG5138-0000)	[RLC] 20-420 VA
MK - Electric	K1535	[R] 65 - 450 W - Turn
MK - Electric	K1501 WHILV	[R] 60 - 500 W - Turn
MK - Electric	K4501 WHILV	[RLC] 180 W
MK - Electric	K4500 WHILV	[RLC] 400 W
NIKO	310-0280X	[LED] 2 - 100 VA
PEHA	431HAN	[RL] 6-120 W [LED] 6 - 60 W
Philips	UID8670	[LED] 2 - 100 VA - LED - Push (3wire)
RELCO	RP0977	[LED] 4 - 100 W
RELCO	RM0545	[LED] 4 - 100 W
Schneider	SBD315RC (SBD 315, SDD 315)	[RC] 315 W
Schneider	SBD315RC (ATD315)(CCT011533)	[RC] 315 W
Schneider	SBD200 (WDE 002299)	[] 4 - 400 VA - Turn Universal (2wire)
Schneider	SBD315RC (SBD 315)	[RC] 315 W
VADSBO	ED 350	[RC] 50 - 350 W
VADSBO	DRS 315	[RC] 50 - 315 W
VADSBO	DU 250	[RC] 20 - 250 W
Varilight	HQ3W	[R] 60 - 400 W
Varilight	ICT401 M	[RC] 20 - 400 W
Vimar	20148	[RL] 500 W
Vimar	14153	[R]
Vimar	20160	[RC]
Vimar	20162	[RL] 40 - 300 W
IKEA	E0902 - Dim	[R] 25 - 150 W
Philips Dynalite	DDLE801	(100 W per channel)
Philips Dynalite	DDTM102 Module	(460 W per channel)

LEDspot					
CorePro LEDspot D 5-50W GU10 CRI80 36D 9290012188			MASTER LEDspot CLA D 6-50W 827 PAR20 25D 9290023380/ 830 PAR20 25D 9290023381/ 840 PAR20 25D 9290023382/ 827 PAR20 40D 9290023383/ 830 PAR20 40D 9290023384/ 840 PAR20 40D 9290023385		
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
2 - 8	92%- 3%		1 - 10	91%- 12%	
2 - 8	93%- 3%		1 - 5	93%- 6%	
	N.A.	N.A.		N.A.	N.A.
2 - 8	92%- 3%		1 - 10	93%- 6%	
2 - 8	94%- 3%		1 - 14	92%- 3%	
2 - 8	94%- 3%		1 - 8	95%- 3%	
2 - 8	94%- 3%		1 - 15	92%- 12%	
2 - 8	89%- 3%		1 - 14	93%- 3%	
2 - 20	94%- 3%		1 - 17	94%- 10%	
2 - 8	92%- 3%		1 - 10	92%- 14%	
2 - 8	92%- 3%		1 - 9	92%- 4%	
3 - 8	95%- 3%		1 - 12	94%- 7%	
2 - 16	99%- 3%		1 - 13	98%- 7%	
2 - 8	92%- 3%		1 - 10	92%- 14%	
2 - 8	92%- 3%		1 - 9	92%- 4%	
3 - 8	95%- 3%		1 - 12	94%- 7%	
2 - 16	94%- 3%		1 - 14	96%- 17%	
			1 - 10	93%- 3%	
2 - 12	99%- 3%		1 - 10	98%- 8%	
2 - 12	99%- 3%		1 - 10	98%- 13%	
2 - 20	97%- 3%		1 - 17	98%- 14%	
2 - 8	91%- 3%		1 - 15	98%- 13%	
2 - 8	91%- 3%		1 - 10	92%- 3%	
2 - 5	78%- 3%		1 - 4	93%- 19%	
2 - 12	89%- 3%		1 - 10	58%- 3%	
2 - 8	94%- 3%		2 - 11	93%- 6%	
2 - 16	94%- 3%		1 - 13	94%- 7%	
3 - 8	95%- 3%		2 - 9	94%- 5%	
3 - 8	94%- 3%		2 - 15	94%- 5%	
2 - 16	81%- 3%		1 - 3	94%- 3%	
2 - 8	93%- 3%		1 - 11	93%- 8%	
2 - 8	95%- 3%		1 - 9	97%- 3%	
3 - 20	78%- 3%			N.A.	N.A.
2 - 8	92%- 3%		1 - 10	92%- 14%	
2 - 8	92%- 3%		1 - 9	92%- 4%	
3 - 8	95%- 3%		1 - 12	94%- 7%	
2 - 8	70%- 3%		1 - 13	77%- 7%	
2 - 8	87%- 3%		1 - 15	96%- 30%	
2 - 9	86%- 3%		1 - 7	92%- 5%	
2 - 16	83%- 3%		1 - 11	99%- 29%	
2 - 4	97%- 3%		1 - 3	96%- 4%	
2 - 5	81%- 3%		1 - 4	95%- 3%	
2 - 8	89%- 3%		1 - 14	93%- 3%	
2 - 4	97%- 6%		1 - 3	99%- 15%	
2 - 4	92%- 3%		1 - 3	92%- 8%	
2 - 8	92%- 3%		1 - 9	92%- 4%	
2 - 8	92%- 3%		1 - 9	92%- 4%	
2 - 8	92%- 3%		1 - 10	92%- 14%	
2 - 8	92%- 3%		1 - 9	92%- 4%	
2 - 14	88%- 4%		1 - 12	93%- 14%	
2 - 13	93%- 3%		1 - 11	95%- 10%	
2 - 10	80%- 3%	<1	1 - 14	96%- 17%	
2 - 8	93%- 3%		1 - 8	91%- 5%	
2 - 16	86%- 3%		1 - 13	94%- 5%	
3 - 8	92%- 3%	<9	1 - 14	92%- 4%	
2 - 20	94%- 3%		1 - 15	99%- 3%	
3 - 20	94%- 3%	<14	1 - 10	95%- 3%	
2 - 8	91%- 3%	<9	1 - 9	91%- 7%	
2 - 6	93%- 3%		2 - 5	94%- 9%	
2 - 8	89%- 3%				
2 - 8	89%- 3%				