



*This document is for information purposes
and must be treated as recommendation.
Signify attempted to provide best results,
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LED Luminares								
ABROSA SL263 RD 068 9W 27K N HV IP44 9290025328 ABROSA SL263 RD 068 9W 27K W HV IP44 9290025329 (available in multipacks as well)			DIVE SL261 RD 070 5W 27K C HV IP65L 9290025271 DIVE SL261 RD 070 5W 27K N HV IP65L 9290023741 DIVE SL261 RD 070 5W 27K W HV IP65L 9290023740 (available in multipacks as well)			SPARKLE SL261 RD 070 5W 27K N HV L 9290023739 SPARKLE SL261 RD 070 5W 27K W HV L 9290023738 (available in multipacks as well)		
								
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-5			1-5			1-5		
1-5			1-5			1-5		
		1-5			N.A.			N.A.
1-5			1-5			1-5		
1-5			1-5			1-5		
1-5			2-5			2-5		
1-5			1-5			1-5		
1-5			1-5		1-5	1-5		1-5
1-5			1-5		1-5	1-5		1-5
1-5			1-5			1-5		
3-5			1-5			1-5		
1-5			1-5		1-3	1-5		1-3
1-5			1-5			1-5		
1-5			1-5			1-5		
3-5			1-5			1-5		
1-5		<2	1-5		1-5	1-5		1-5
1-5			1-5		1-5	1-5		1-5
1-5		<2	1-5		1-5	1-5		1-5
1-5		<2	1-5		1-5	1-5		1-5
1-5		<2	1-5		1-5	1-5		1-5
1-5			1-5			1-5		
1-5			1-5		1-5	1-5		1-5
1-3			1-5		1-5	1-5		1-5
1-5			2-5		1-5	2-5		1-5
2-5			3-5		1-5	3-5		1-5
1-5		<2	1-5		1-5	1-5		1-5
1-2			1-5		1-5	1-5		1-5
1-5		<2	1-5		1-5	1-5		1-5
1-5			1-5		<4	1-5		<4
1-5			2-5			2-5		
1-5			1-5			1-5		
1-5			1-5			1-5		
3-5			1-5			1-5		
2-5			1-5			1-5		
1-5			1-5			1-5		
1-5			1-5			1-5		
1-5			1-5			1-5		
1-5			1-4			1-4		
1-3			1-5			1-5		
1-5			1-5		1-5	1-5		1-5
1-5			1-5			1-5		
1-5			1-5			1-5		
1-5			1-5			1-5		
1-5			1-5			1-5		
2-5			2-5			2-5		
1-5		1-5	1-5		1-5	1-5		1-5
1-5			1-5			1-5		
1-5			1-5		1-5	1-5		1-5
1-5		1-5	1-5		1-5	1-5		1-5
1-5			1-5		1-5	1-5		1-5
1-5		<3	1-5		1-5	1-5		1-5
1-5		1-5	1-5		1-5	1-5		1-5



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LED Luminaries								
DIVE SL261 RD 070 5.5W 27K C HV IP65R 9290025272 DIVE SL261 RD 070 5.5W 27K N HV IP65R 9290023745 DIVE SL261 RD 070 5.5W 27K W HV IP65R 9290023744 DIVE SL261 RD 070 5.5W 40K N HV IP65R 9290025359 DIVE SL261 RD 070 5.5W 40K W HV IP65R 9290025358 (available in multipacks as well)			SPARKLE SL261 RD 070 5.5W 27K N HV R 9290023743 SPARKLE SL261 RD 070 5.5W 27K W HV R 9290023742 SPARKLE SL261 RD 070 5.5W 40K N HV R 9290025357 SPARKLE SL261 RD 070 5.5W 40K W HV R 9290025356 (available in multipacks as well)			PLANET WGDIM SL264 RD 068 6W 27K WH 1PK 9290026636 PLANET WGDIM SL264 RD 068 6W 27K BL 1PK 9290026637 PLANET WGDIM SL264 RD 068 6W 27K WH 3PK 9290026636 PLANET WGDIM SL264 RD 068 6W 27K BL 3PK 9290026637		
								
Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing	Dimming Performance	Dimming Range	Glowing
1-5			1-5			1-12		
1-5			1-5			1-13		
		N.A.			N.A.			
1-5			1-5			1-13		
1-5			1-5			1-15		
2-5			2-5			1-15		
1-5			1-5			1-14		
1-5		1-5	1-5		1-5	1-15		
1-5		1-5	1-5		1-5			
1-5			1-5					
1-5			1-5			1-11		
1-5			1-5					
1-5		1-5	1-5		1-5			
1-5			1-5					
1-5			1-5					
1-5		1-5	1-5		1-5			
1-5		1-5	1-5		1-5	1-15		
1-5		1-5	1-5		1-5			
1-5		1-5	1-5		1-5			
1-5		1-5	1-5		1-5			
1-5			1-5			1-15		
1-5		1-5	1-5		1-5	1-15		
1-5		1-5	1-5		1-5			
1-5		1-5	1-5		1-5			
		1-5			1-5			N.A.
1-5		1-5	1-5		1-5			
1-3		1-5	1-3		1-5			
1-5		1-5	1-5		1-5	1-13		
1-5		<4	1-5		<4	1-10		
2-5			2-5					
1-5			1-5					
1-5			1-5			1-11		
1-5			1-5			5-14		
2-5			2-5			2-15		
1-5			1-5			1-15		
1-5			1-5					
1-5			1-5					
1-4			1-4					
1-5			1-5					
1-5		1-5	1-5		1-5	1-15		
1-5			1-5			1-10		
1-5			1-5			1-15		
1-5			1-5			1-11		
1-5			1-5					
1-5			1-5					
1-5		1-5	1-5		1-5			
1-5		1-5	1-5		1-5			
1-5			1-5			1-13		
1-5		1-5	1-5		1-5			
2-5		1-5	2-5		1-5	1-15		1-10
2-5		1-5	2-5		1-5			
1-5		1-5	1-5		1-5			
1-5		1-5	1-5		1-5	1-10		1-10

Consumer LED Mains Voltage range

Recommended **dimmer** compatibility list for **Mains Voltage** Luminaires



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
T.B.D.	Dimmer lamp combination not tested

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Brand	Type	Load
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	[R L] 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 – 200W(RC) 4–400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
ELKO Schneider	SBD420RCRL (CCTEL13011)	[RLC] 420W
Eltako	EVD61NPN-UC	400W 3-wire Push Module
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4–400W(RL)
Feller Schneider	40300 (SBD315)	[RLC] 300W
Feller Schneider	40420 (SBD420)	[RLC] 420W
GIRA	1176-00/01	[RLC] 50 – 420W
GIRA	2390 00/ 100	[LED] 7 – 100W - Push (3wire)
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	225 TDE	[RC] 20 – 525 W - Turn
Jung	1271LEDDE	[LED] 3 – 100W - Push (3wire)
Klik aan Klik uit	AWMD-250	[LED] 3 – 24W
Klik aan Klik uit	ACM 300	300W - 3-wire Push LED Dimmer
Legrand	774161	[RL] 40 – 400 W - Turn
Legrand	78401	[RLC] 40 – 500W
Legrand	67083	[RLC] 3 – 400W
Legrand	67084	[RLC] 8 - 300 VA - Push LED (3wire)
Legrand	67085 (078406)	[RLC] 8 - 300 VA - Push LED (3wire)
Legrand	L4402N	[R] 60-500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4–400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
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] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 – 100 VA
PEHA	431HAN	[RL] 6-120W [LED] 6-60W
Philips	UID8670	[LED] 2 – 100 VA-LED - Push (3wire)
RELCO	RP0977	[LED] 4-100W
RELCO	RM0545	[LED] 4-100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4-400VA - Turn Universal (2wire)
VADSBO	ED 350	[RC] 50 –350W
VADSBO	DRS 315	[RC] 50 –315W
VADSBO	DU 250	[RC] 20 –250W
Varilight	HQ3W	[R] 60-400W
Varilight	ICT401 M	[RC] 20-400W
Vimar	20148	[RL] 500W
Vimar	14153	[R]
Vimar	20160	[RC]
Vimar	20162	[RL] 40-300W

LED Luminaries		
SL261 DIVE RD 070 5.5W 27K BL IP65R 1PK 9290026803 SL261 DIVE RD 070 5.5W 27K BL IP65R 3PK 9290026803		
		
Dimming Performance	Dimming Range	Glowing
		N.A.
1-5		1-5
1-5		1-5
1-5		1-5
1-5		1-5
1-5		1-5
1-5		1-5
1-5		1-5
1		1-5
1-5		1-5
1-3		1-5
2-5		N.A.
1-5		
1-5		
1-5		
1-5		
1-5		
1-5		
1-5		1-5
1-5		1-5
1-5		
1-5		
2-5		1-5
1-5		1-5



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
T.B.D.	Dimmer lamp combination not tested

Brand	Type	Load
Berker INSTA	286710	[RC] 20 – 360 W - Turn
Berker INSTA	2973	[LED, R, L, C] 3 – 60W - Turn
Bticino Legrand	BTN4411N (BTNT4411N, BTL4411N)	[LED] 3 – 75W – Tast
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)
Busch Jaeger ABB	6523 U-102	[LED, R, L,C] 2 – 100W - Turn- Leading
		[LED, R, L,C] 2 – 100W – Turn- Trailing
Busch Jaeger ABB	6523 UR-103	[LED, R, L,C] 2 – 400W – Turn- Leading
		[LED, R, L,C] 2 – 400W – Turn- Trailing
ELKO Schneider	SBD200LED (CCTEL10501)	[LED/RC] 4 – 200W(RC) 4–400W(RL)
ELKO Schneider	SBD315RC (315 GLE)	[RC] 315W
SE LK Schneider	LK FUGA LED-S 120VA (506Dx219)	[LED, RL] 4 – 120W - Slider
SE LK Schneider	LK OPUS 66 LED-S 120VA (506Nx219)	[LED, RL] 4 – 120W – Slider
Eltako	EVD61NPN-UC	400W 3-wire Push Module
Eltako	EUD61NPL-230V	[LED, R, C] 4 – 200W – Module-Leading
		[LED, R, C] 4 – 200W – Module-Trailing
Feller Schneider	40200 (SBD200LED CCTCH10601)	[LED/RC] 4 – 200W(RC) 4–400W(RL)
Feller Schneider	40300 (SBD315)	[RLC] 300W
Feller Schneider	40200.LED.EB (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
GIRA	1176-00/01	[RLC] 50 – 420W
GIRA	2390 00/ 100	[LED] 7 – 100W – Push (3wire)
Gira INSTA	5401 00	[LED, R, L, C] 3 – 100W/200W- Tast
Gira INSTA	2450 00	[LED, R, L, C] 3 – 60W – Turn
Hager	EVN 011	[RC] 300VA
Hager	EVN 012	[RC] 300W
Hager	EVN 004	[RL] 500VA
Jung	127ILEDDE	[LED] 3 – 100W – Push (3wire)
Jung INSTA	1711DE	[LED, R, L, C] 3 – 100W/200W- Tast
Jung INSTA	1730DD	[LED, R, L, C] 3 – 60W – Turn
Klik aan Klik uit	AWMD-250	[LED] 3– 24W
Klik aan Klik uit	ACM 300	300W – 3-wire Push LED Dimmer
Legrand	78401	[RLC] 40 – 500W
Legrand	67083	[RLC] 3 – 400W
Legrand	67084	[RLC] 8 – 300 VA – Push LED (3wire)
Legrand	67085 (078406)	[RLC] 8 – 300 VA – Push LED (3wire)
Legrand	L4402N	[R] 60–500W
Merten Schneider	SBD200LED (MEG5134-0000)	[LED/RC] 4 – 200W(RC) 4–400W(RL)
Merten Schneider	SBD315RC (MEG5136-0000)	[RC] 315W
Merten Schneider	MEG5300-0001 (CCT99100)	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
MK - Electric	K1535	[R] 65 – 450 W – Turn
MK - Electric	K1501 WHILV	[R] 60 – 500 W – Turn
MK - Electric	K4501 WHILV	[RLC] 180W
MK - Electric	K4500 WHILV	[RLC] 400W
NIKO	310-0280X	[LED] 2 –100 VA
Niko	310-02901	[LED, R, L, C] 3 – 200W – Tast
Niko	310-03901	[LED, R, L, C] 3 – 200W – Turn
PEHA	431HAN	[RL] 6-120W [LED] 6-60W
Philips	UID8670	[LED] 2 – 100 VA-LED – Push (3wire)
RELCO	RP0977	[LED] 4-100W
RELCO	RM0545	[LED] 4-100W
Schneider	SBD315RC (SBD 315, SDD 315, ATD315, CCT011533)	[RC] 315W
Schneider	SBD200 (WDE 002299)	[] 4–400VA – Turn Universal (2wire)
Schneider	SAE dimmer puck CCT99100	[LED, RL, RC] 4 – 20VA RL LED / 4 – 100VA RC LED
VADSBO	ED 350	[RC] 50 –350W
VADSBO	DU 250	[RC] 20 –250W
VADSBO	VD300	[LED] 0 – 300VA – Turn
Varilight	HQ3W	[R] 60-400W
Varilight	ICT401 M	[RC] 20-400W
Vimar	20148	[RL] 500W
Vimar	20162	[RL] 40-300W
Vimar	Universal dimmer 20135.1	[LED] 3 – 200W – Tast
Vimar	Universal dimmer 20136.1	[LED] 3 – 200W – Turn- Leading
		[LED] 3 – 200W – Turn- Trailing
Philips Dynalite	DDLE801	(100W per channel)
Philips Dynalite	DDMC802 (913703243509)	(x W per channel) Turn-Leading
		(x W per channel) Turn-Trailing

[illegible]

Notes:

- #1) Dimmers are tested with the number of LED light sources mentioned in the column "Dimming performance". A number of LED light sources outside the listed range may result in less optimal behavior. Although not specifically tested, some dimmers can be loaded with more light sources than specified in this document.
- #1a) Most (non-LED dedicated) dimmers can be loaded with LED light sources up to 20% of dimmer specified maximum power. Example: Dimmer 400W -> 20% = 80W, which means that e.g. up to 16 pcs 5W LED light sources can be connected.
- #1b) LED dimmers can be loaded up to the specified maximum dimmer power (Wattage).
- #2) Always study the packaging of LED light sources if these can be used in combination with occupancy/motion sensors.
- #3) "Glowing" means: when connected to a dimmer in its off-state, a LED light source may still emit a small, yet visible amount of light. This may e.g. occur if a low quantity of LED light sources is connected.
- #4) "Dimming Range" color indications and criteria (all percentages relate to the LED light source full power):
 - Green cell: minimum dimming level is below 10% and maximum level at least 80%.
 - Yellow cell: minimum dimming level is between 10% and 20% (inclusive) AND maximum level is above or equal to 80%.
 - Red cell: not compatible.
 - Grey cell: the dimmer - LED light source combination is not applicable.
 - White cell: no data available.
- #5) Various dimmer suppliers offer "active loads" to optimize dimming performance in case of light source-dimmer system issues. (e.g. Busch Jaeger Compensator 6596).
- #6) This list is based on measurements performed in a lab environment at nominal mains voltage, different mains voltages may result in a different dimming range.
- #7) Dimmer manufacturers may change the technical design of their dimmer without informing Philips / Signify. Such changes may affect the performance when used in combination with LED light sources.
- #8) In general Philips dimmable LED light sources can be dimmed with any type of dimmer (type R, RL, RC or RLC).
- #9) Mixed loads may give unexpected dimming behavior or even result in defects, for which Philips / Signify cannot be held responsible.
- #10) LED light source are dimmable across the indicated dimming range, but may exhibit minor flickering at distinct dim settings:
 - "Dimming Performance" color indications and criteria:
 - Green cell: No / or single point flicker, flicker range < 5% and below 80%.
 - Yellow cell: Flicker range < 5%,single point flicker > 80%, 5%-20% flicker range below 80%
 - Red cell: Flicker failed.
 - White cell: No data available.
- #11) The information contained here is believed to be accurate at the time it was published, but is provided "AS IS".

