

# Recommended KNX dimmers for energy-efficient lamps

Troublefree dimming depends on the amount of installed lamps. Faultless dimming functions feasible for:

- all integrated lamps by a maximum of ten (all 10 lamp symbols are green)
- from or up to a specific amount of lamps (e.g. up to 4 LEDs, first 4 lamp symbols are green)
- or for several amounts of lamps only (e.g. with exact 2 lamps, only the 2. lamp symbol is green)



Dimmer inserts

# Recommended dimmers for energy-efficient lamps

Lighting management



Scan the QR-code below and try the dimmer online tool:



LED lamps	Type no.	Socket	Recommended Min/Max settings	MTN649315 KNX Uni.dim.act.REG-/4x230/150W	MTN649325 KNX Uni. dim. act. REG-K/4x230/250W	MTN649330 KNX Uni.dim.act.REG-K/2x230/300W	MTN649350 KNX Uni.dim.act.REG-K/230/500W	MTN649310 KNX Uni.dim.act.REG-K/230/1000W
LEDON 10 W Warmwhite dimmable	24166216	E27	Dimmer settings 1-100%					
MEGAMAN 8W LR1108d - 230V	LR1108d-50H35D	GU10	Dimmer settings 1-33%	not recommended	not recommended	not recommended		not recommended
OSRAM Parathom PAR16 35REAR GU10 8W dimmable	PAR16 35	E27	Default settings 15-100%					
PHILIPS MASTER LEDbulb MV (12W/E27 2700K 220-240V)	872790093448900	E27	Dimmer settings 15-90%				not recommended	
OSRAM Parathom PRO Classic A60 E27 (12W) --> 13W dimmable	PARACLA60ADV 13W/927 220-240VE27	E27	Default settings 15-100%					
PHILIPS MASTER LEDspot 4W/830 (=35W) GU10 25D DIM	8718291192404 / 19240400	GU10	Dimmer settings 1-75%	not recommended		not recommended	not recommended	not recommended
PHILIPS MASTER LEDcandle D 4-25W E14 827 B35 CL	871829119370800 / 9290002143	E14	Dimmer settings 3-80%	not recommended		not recommended	not recommended	not recommended
PHILIPS Master LEDPAR30S E27 12W	871829111927200	E27	Default settings 15-100%					
SYLVANIA TOLEDO GLS A60 10 W 220-240V 50-60Hz 10 W E27	0026290	E27	Default settings 15-100%					
PHILIPS MASTER LEDbulb D 17-75W 827 E27	871829119346300	E27	Default settings 15-100%					
PHILIPS MASTER LEDspotMV KoD 8-50W+ GU10 830 25D	871829119362300	GU10	Default settings 15-100%			not recommended	not recommended	
PHILIPS MASTER LED 18-100W Dimmable PAR 38 25D 2700K	871829111929600	E27	Default settings 15-100%					
Sygonix, model no. 28975D, 10.5W	4051462023911	E27	Default settings 15-100%					

Not recommended LED-lamps together with Schneider-Electric KNX dimmer:

- Toshiba E-Core LED Lamp LDRC0930MU1EUD 8,5W
- PHILIPS MASTER LEDspot 7W/830 (=50W) GU10 25D 230V
- PHILIPS MASTER LEDbulb 7-40W E27 2700K Designer
- PHILIPS MASTER LEDbulb 8-40W 827 E27
- PHILIPS MASTER LEDbulb DimTone 8-40W E27
- PHILIPS MASTER LEDspot 6W/830 (=50W) GU10 25D DIM
- PHILIPS MASTER LEDspot 7W/830 PAR20 25D DIM E27
- PHILIPS MASTER LEDluster D 4-25W E27 827 P45 FR

Dimmers and lamp combinations are continuously tested and added.  
To get more information about current results also visit the dimmer online tool:

<http://schneider-electric.dimmer-test.com/index.php?id=3>

New

Dimmer online tool

# Recommended conventional dimmers for energy-efficient lamps

## Exclusion of liability

The following results are based on measurements in our test lab. Depending on cable lengths, network conditions and other factors, different results can occur. The summary below contains only non-binding information on optional use at our customers' own risk. All information refers only to products tested by us. Deviating or modified products that have the same product designation are not considered. Only with the combinations tested by us can we guarantee that the dimmer and luminaire cannot be damaged and that there is no danger to life and limb, for example by fire. Schneider Electric cannot take responsibility for the functions or for the accuracy and completeness of the information and its use, and does not accept any liability in the applicable legal framework.



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Dimmer insert 10-200VA RCRL (T51700) Tested and VDE certified dimmer	Push-button dimmer 20-350W RCRL	Dimmer insert 20-420W RCRL (T51710)		Dimmer insert 2x20-200W RCRL (T51720)	Push-button dimmer 20-400W RCRL (400GLEI/T, LTD400RCRL-T)		Rotary dimmer 20-300/315W RC (40300.RC, SBD315RC, 315GLE)		Rotary 2-pole dimmer 20-315W RC (315GLE/2Po, SBD315RCDS)		Rotary dimmer 40-400W RL	RF Dimmer module 25-250VA RCRL		RF Plug adapter dimmer 40-350VA		DIN Dimmer 40-400W RCRL (STD400RCRL, 400GLE/I DIN)		Slide Dimmer 20-300W RC (MEK-S 300CR)	
		Schneider Electric Brand	Merten Brand		Schneider Electric Brand	Merten Brand	Schneider Electric Brand	ELKO Brand	Schneider Electric Brand	Merten Brand		Schneider Electric Brand	ELKO Brand	Schneider Electric Brand	Merten Brand	Schneider Electric Brand	ELKO Brand	Schneider Electric Brand	LK Brand
MEG5170-0300 System M MEG5170-4000 System Design	ALB4x190 ALTIRA MGU3.515.xx Unica	S520560 Odace S520565 Odace	MEG5171-0000 Insert	MEG5172-0000 Insert	WDE00x307 Exxact WDE00x707 Exxact CCT011751RBB Renova CCT011751RWG Renova CCT011753 Artic	4837 ELKO Plus WH 4839 ELKO Plus BLK 4838 ELKO Plus Alu 4354 RS16 Eiso Brand 174260 Insert	CCTFL12011 Artic CCTFL1203, -1, -2, -3 Renova CCTFL1220, -1, -2, -3 Artic Decor CCTRU1201, -1, -2 Trend CCTSE12011 Trend CCTSE1203, -1, -2, -3 Renova CCTSE12112 Trend CCTSE1213, -4, -5 Renova S265515 Ovalis MTN5136-0000 Insert WDE00x311 Exxact WDE002711 Exxact WDE004811 Exxact	MEG5136-0000 Insert ELKO Brand	WDE00x336 Exxact	4196 ELKO Plus 4197 ELKO Plus 4198 ELKO Plus 4158 ELKO RS 16	MGU.3.511.xx Unica ALB4x192 ALTIRA	MTN507900 507900	MTN508619 506819	MTN5061-0119	CCTDD20001 CCTDD20002 CCTDD20009 4824	CCTDD20006 CCTDD20005	406Dx116 Fuga 820B1234 820B1229	566Dx10220 Fuga 506Nx166 Opus	
<b>LED lamps</b>																			
LEDON, LEDON 10 W Warmwhite dimmable	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
MEGAMAN, Megaman 8W LR1108d -230V	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
OSRAM, Parathom PAR16 35REAR GU10 8W dimmable	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
PHILIPS, MASTER LEDbulb MV (12W/E27 2700K 220-240V)	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
TOSHIBA, Toshiba E-Core LED Lamp LDR0930MU-1EUD 8,5W	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
OSRAM, Parathom PRO Classic A60 E27 (12W) -> 13W dimmable	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
PHILIPS, MASTER LEDspot 4W/830 (=35W) GU10 25D DIM	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
PHILIPS, MASTER LEDcandle D 4-25W E14 827 B35 CL	not recommended	not tested	not recommended	not tested	not recommended	not recommended	not recommended	not recommended	not recommended	not recommended	not recommended	not recommended	not recommended	not recommended	not recommended	not recommended	not recommended	not recommended	not recommended
<b>Halogen lamps</b>																			
Philips, Philips EcoClassic50 A55 230V E27 ES 3000h 620lumen	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested