



## E-CORE PAR16

### 3,8W / 7,1W FIT / 9W

The elegant mains-voltage spotlights with robust GU10 base shine with their excellent energy-saving credentials and ease of use. Suitable for a multitude of uses, they can be dimmed to offer atmospheric lighting or daylight-brightness accents – even at considerable distance.

#### Application:

- + Accent Lighting
- + Display Lighting
- + Residential Lighting

## Product details

- + Elegant high-voltage spotlights with GU10 bayonet base
- + Reduction of energy consumption of up to 85%
- + Highly efficient and energy saving
- + Low IR or UV radiation
- + Dimmable
- + Life time up to 40,000 hours
- + Focussed light with different beam angles
- + Pleasant warm or neutral white light
- + Mercury free
- + Instant light
- + Outstanding light quality delivered by great optics

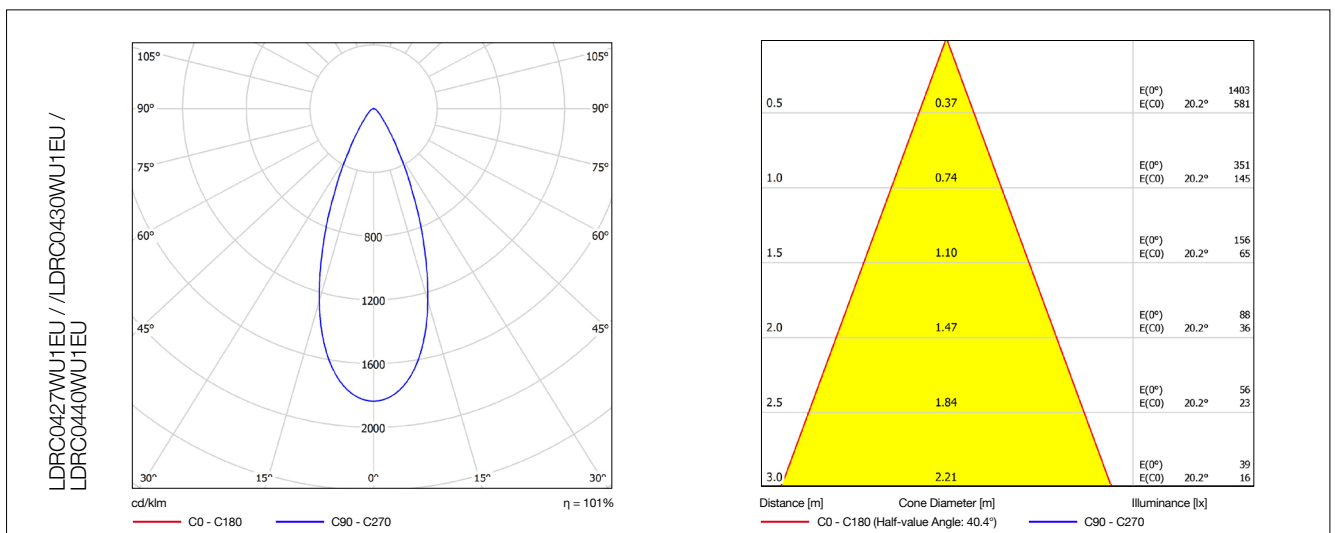
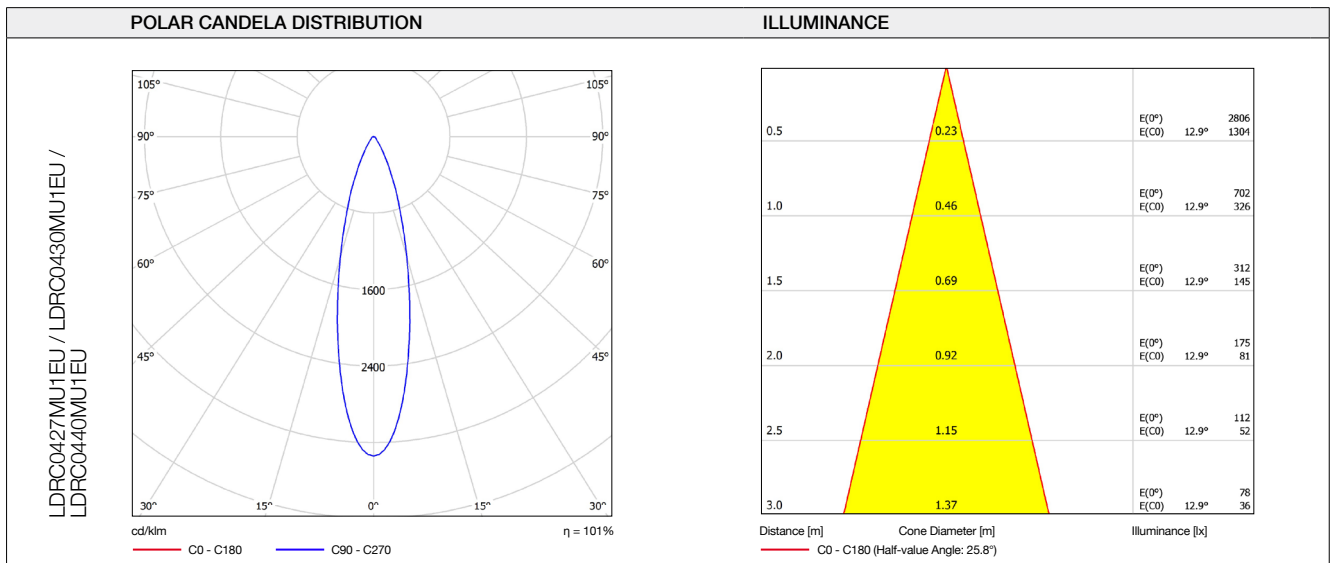
## Optical parameters

MODEL NAME	E-CORE PAR16 3,8		
Product code	LDRC0427MU1EU / LDRC0427WU1EU	LDRC0430MU1EU / LDRC0430WU1EU	LDRC0440MU1EU / LDRC0440WU1EU
Luminous flux (lm)	180	180	200
Colour description	Warm white	Warm white	Neutral white
Colour temperature (K)	<b>2700</b>	<b>3000</b>	<b>4000</b>
Colour rendering index (Ra)	80	80	80
Beam angle	25° / 40°	25° / 40°	25° / 40°
Luminous intensity (cd)	700 / 350	700 / 350	760 / 380
Lamp efficacy (lm/W)	47,4	47,4	52,6

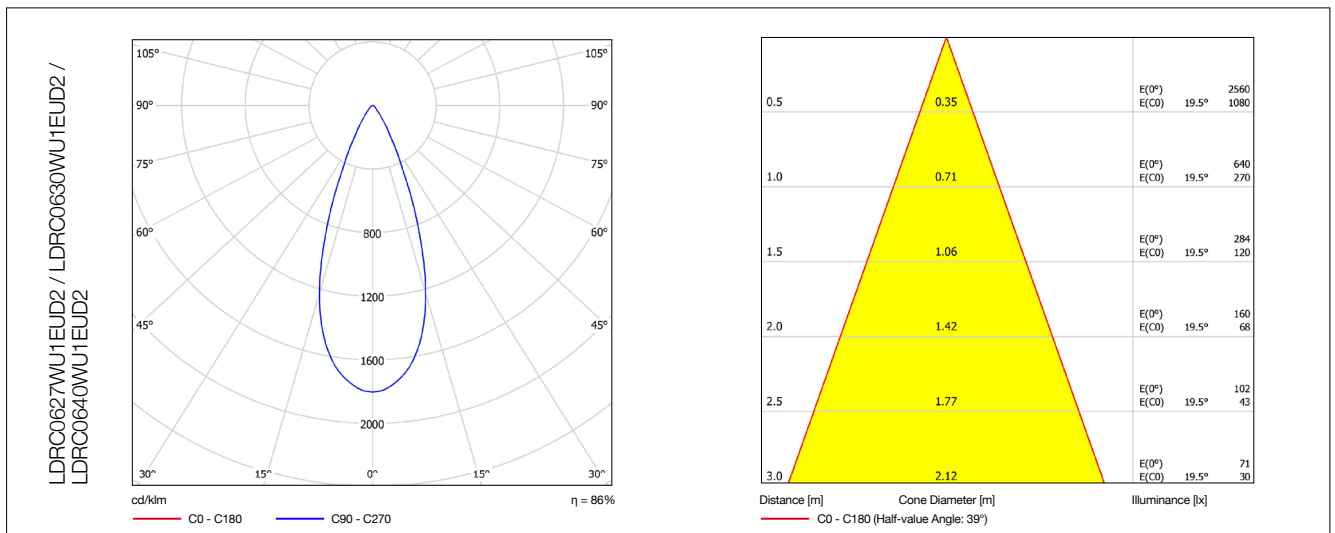
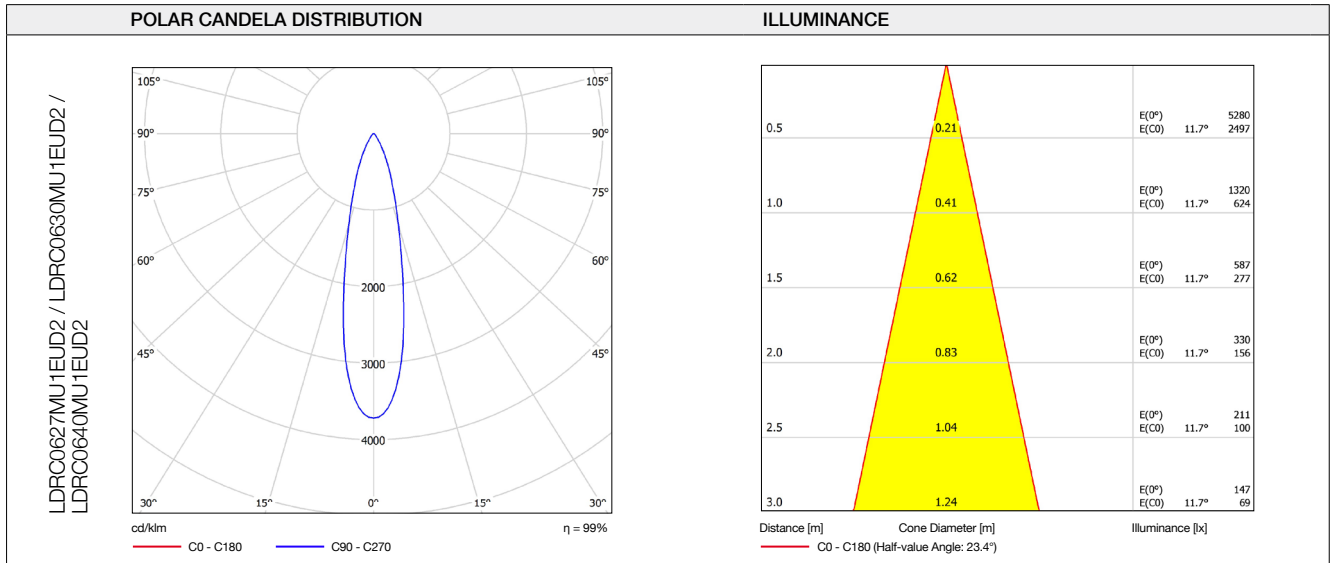
MODEL NAME	E-CORE PAR16 7,1W FIT		
Product code	LDRC0627MU1EUD2 / LDRC0627WU1EUD2	LDRC0630MU1EUD2 / LDRC0630WU1EUD2	LDRC0640MU1EUD2 / LDRC0640WU1EUD2
Luminous flux (lm)	345	355	370
Colour description	Warm white	Warm white	Neutral white
Colour temperature (K)	<b>2700</b>	<b>3000</b>	<b>4000</b>
Colour rendering index (Ra)	80	80	80
Beam angle	25° / 40°	25° / 40°	25° / 40°
Luminous intensity (cd)	1,320 / 640	1,320 / 640	1,420 / 680
Lamp efficacy (lm/W)	48.6	50	52.1

MODEL NAME	E-CORE PAR16 9W		
Product code	LDRC0927MU1EUD2 / LDRC0927WU1EUD2	LDRC0930MU1EUD2 / LDRC0930WU1EUD2	LDRC0940MU1EUD2 / LDRC0940WU1EUD2
Luminous flux (lm)	520	550	580
Colour description	Warm white	Warm white	Neutral white
Colour temperature (K)	<b>2700</b>	<b>3000</b>	<b>4000</b>
Colour rendering index (Ra)	80	80	80
Beam angle	25° / 40°	25° / 40°	25° / 40°
Luminous intensity (cd)	1,900 / 950	2,000 / 1,000	2,000 / 1,000
Lamp efficacy (lm/W)	57.8	61.1	64.4

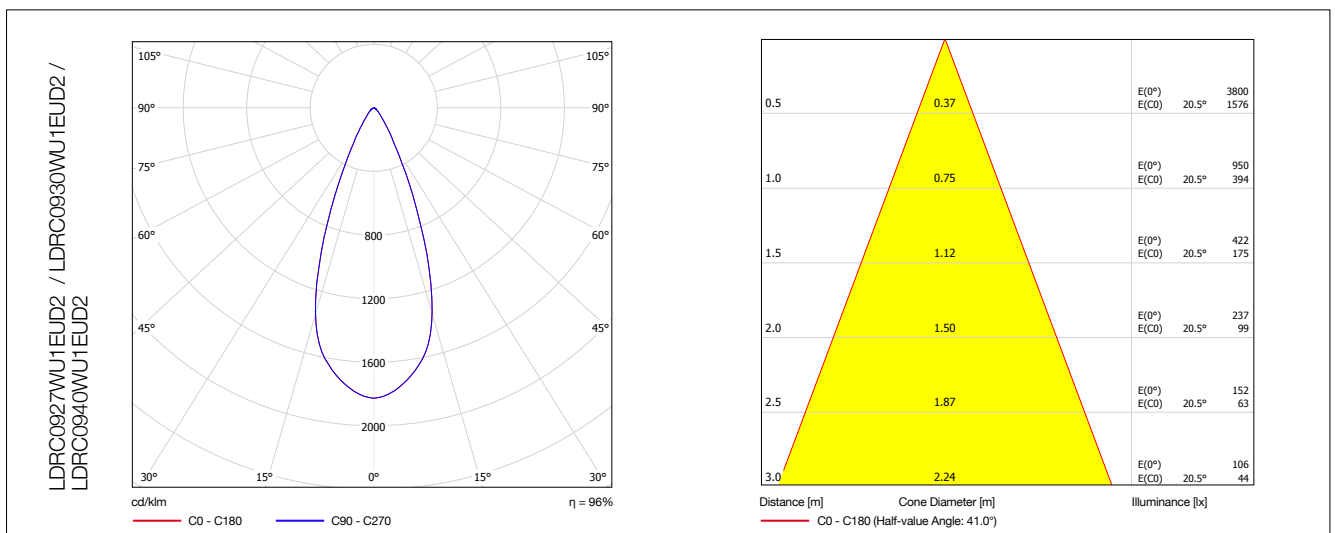
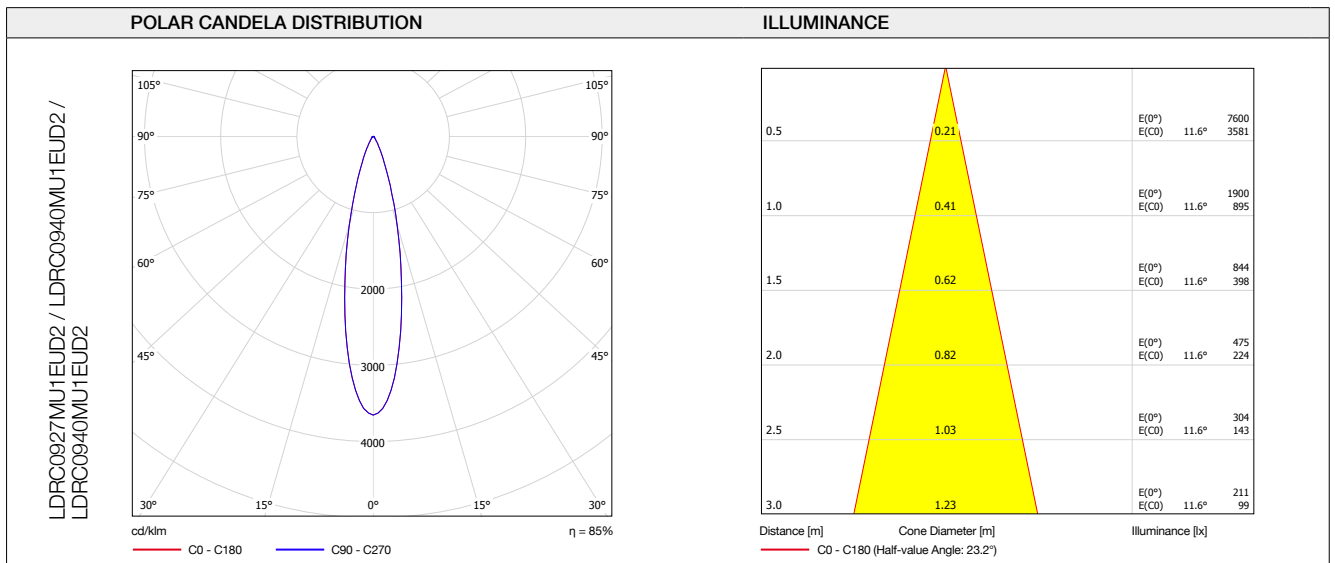
## Optical parameters for E-CORE PAR16 3,8W



## Optical parameters for E-CORE PAR16 7,1W FIT



## Optical parameters for E-CORE PAR16 9W



## Electrical parameters

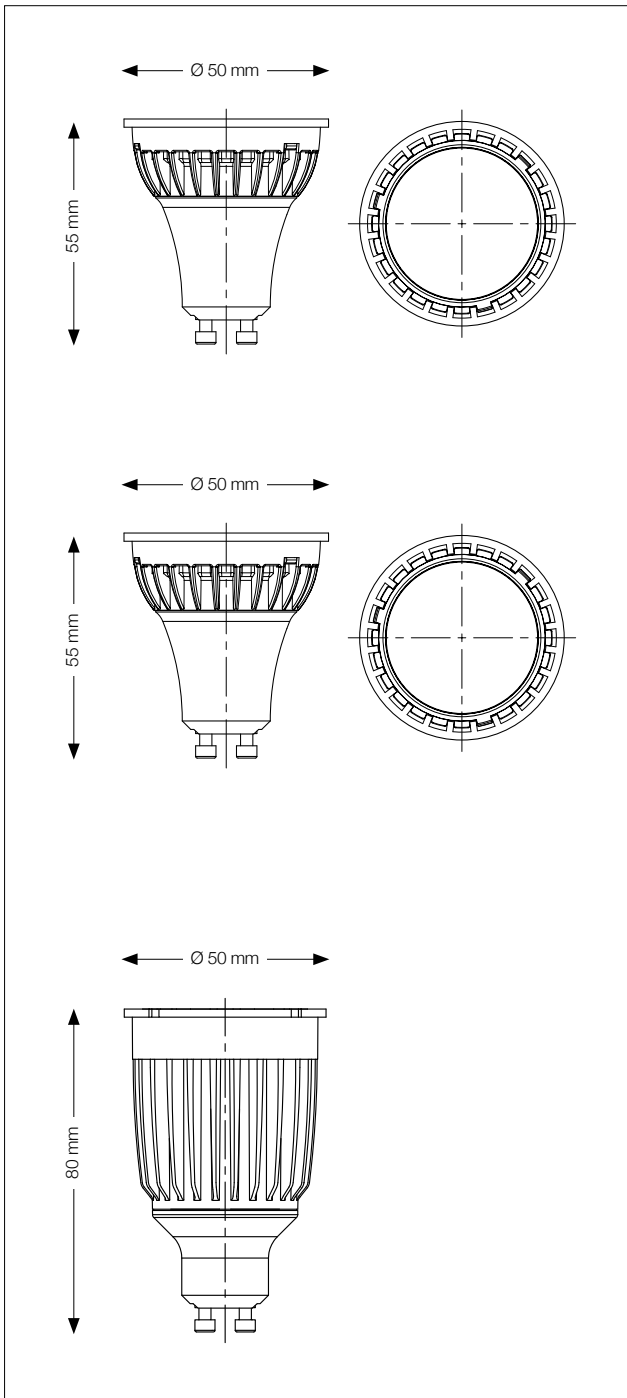
MODEL NAME		E-CORE PAR16 3,8W		
Product code	LDRC0427MU1EU / LDRC0427WU1EU	LDRC0430MU1EU / LDRC0430WU1EU	LDRC0440MU1EU / LDRC0440WU1EU	
Rated voltage (V)	220-240	220-240	220-240	
Rated wattage (W)	3.8	3.8	3.8	
Frequency (Hz)	50 / 60	50 / 60	50 / 60	
Rated input current (mA)	32	32	32	
Power factor	0.52	0.52	0.52	
Rated lifetime (h)	40,000	40,000	40,000	
Dimming*	Not dimmable	Not dimmable	Not dimmable	
MODEL NAME		E-CORE PAR16 7,1W FIT		
Product code	LDRC0627MU1EUD2 / LDRC0627WU1EUD2	LDRC0630MU1EUD2 / LDRC0630WU1EUD2	LDRC0640MU1EUD2 / LDRC0640WU1EUD2	
Rated voltage (V)	220-240	220-240	220-240	
Rated wattage (W)	7.1	7.1	7.1	
Frequency (Hz)	50 / 60	50 / 60	50 / 60	
Rated input current (mA)	48	48	48	
Power factor	0.64	0.64	0.64	
Rated lifetime (h)	40,000	40,000	40,000	
Dimming*	Yes, 10-100%	Yes, 10-100%	Yes, 10-100%	
MODEL NAME		E-CORE PAR16 9W		
Product code	LDRC0927MU1EUD2 / LDRC0927WU1EUD2	LDRC0930MU1EUD2 / LDRC0930WU1EUD2	LDRC0940MU1EUD2 / LDRC0940WU1EUD2	
Rated voltage (V)	220-240	220-240	220-240	
Rated wattage (W)	9	9	9	
Frequency (Hz)	50 / 60	50 / 60	50 / 60	
Rated input current (mA)	46	46	46	
Power factor	0.85	0.85	0.85	
Rated lifetime (h)	40,000	40,000	40,000	
Dimming*	Yes, 10-100%	Yes, 10-100%	Yes, 10-100%	

## Mechanical parameters

MODEL NAME		E-CORE PAR16 3,8W		
Product code	LDRC0427MU1EU / LDRC0427WU1EU	LDRC0430MU1EU / LDRC0430WU1EU	LDRC0440MU1EU / LDRC0440WU1EU	
Overall length (mm)	55	55	55	
Diameter (mm)	50	50	50	
Net weight (g)	45	45	45	
Cap	GU10	GU10	GU10	
MODEL NAME		E-CORE PAR16 7,1W FIT		
Product code	LDRC0627MU1EUD2 / LDRC0627WU1EUD2	LDRC0630MU1EUD2 / LDRC0630WU1EUD2	LDRC0640MU1EUD2 / LDRC0640WU1EUD2	
Overall length (mm)	55	55	55	
Diameter (mm)	50	50	50	
Net weight (g)	70	70	70	
Cap	GU10	GU10	GU10	
MODEL NAME		E-CORE PAR16 9W		
Product code	LDRC0927MU1EUD2 / LDRC0927WU1EUD2	LDRC0930MU1EUD2 / LDRC0930WU1EUD2	LDRC0940MU1EUD2 / LDRC0940WU1EUD2	
Overall length (mm)	80	80	80	
Diameter (mm)	50	50	50	
Net weight (g)	140	140	140	
Cap	GU10	GU10	GU10	

\* Dimmable on suitable dimmers.

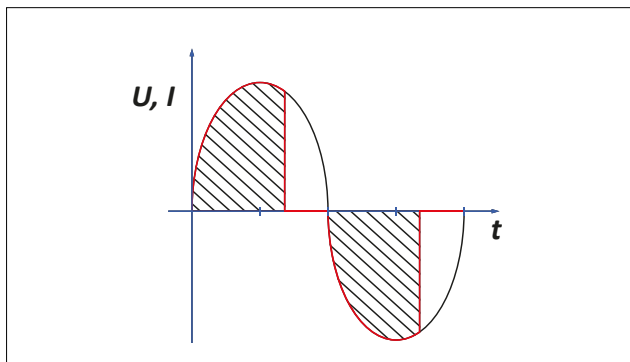
## Drawings



According to  
ErP 1194/2012

## Dimmability

The LED-Lamps can be dimmed in a range of 10%-100% by Trailing-edge dimmers. A general compatibility to all dimmers can't be granted. A list of recommended dimmers can be found on our website [www.toshiba.eu/lighting](http://www.toshiba.eu/lighting).



### RECOMMENDED DIMMERS FOR MAX. 8 LAMPS WITH A DIMMING OF 10 %-100 %:

Aurora AU-DSP250 250W	Aurora AU-DSP400 400W	Berker 2830_10 60-400W
Busch-Jäger 2247U 500W	Busch-Jäger 2250U 600W	DANLERS DP1D250WIET 40-250W
DANLERS DP1D400WIET 40-400W	Jung 225NV DE 20-500W	MK K1501 WHI LV 60-500
PEHA 436 60-600W	PEHA 435HAN 60-600W	Schneider UNICA TOP 511 500W
Sologic 28969 20-600W		

## Important notes

LED lamps are not resistive loads for the dimmers and therefore the power rating of the dimmer can't be directly converted. Incompatibilities between LED lamp and dimmer are expressed as flickering and restrictions in the dimming range.

\* Some Dimmers may cause flickering and no dimming at lower level. When the dimmer is connected to numerous lamps, it may not be possible to dim the light to the lowest possible levels. Respective timing on dimming each lamp may differ. When turning on the lamp from 100% dimming, the lamp may not turn back on. Increase dimmer to higher level until lamp turns on.



## Logistic data

PRODUCT CODE / 3,8W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LDRC0427MU1EU	4974550454728	Gift box (1pce)	58 x 55 x 86	78
	14974550454725	Carton (10pcs)	282 x 122 x 95	880
LDRC0427WU1EU	4974550454735	Gift box (1pce)	58 x 55 x 86	78
	14974550454732	Carton (10pcs)	282 x 122 x 95	880
LDRC0430MU1EU	4974550454742	Gift box (1pce)	58 x 55 x 86	78
	14974550454749	Carton (10pcs)	282 x 122 x 95	880
LDRC0430WU1EU	4974550454759	Gift box (1pce)	58 x 55 x 86	78
	14974550454756	Carton (10pcs)	282 x 122 x 95	880
LDRC0440MU1EU	4974550454766	Gift box (1pce)	58 x 55 x 86	78
	14974550454763	Carton (10pcs)	282 x 122 x 95	880
LDRC0440WU1EU	4974550454773	Gift box (1pce)	58 x 55 x 86	78
	14974550454770	Carton (10pcs)	282 x 122 x 95	880

PRODUCT CODE / 7,1W FIT	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LDRC0627MU1EUD2	4974550447232	Gift box (1pce)	58 x 55 x 86	103
	14974550447239	Carton (10pcs)	282 x 122 x 95	1,164
LDRC0627WU1EUD2	4974550447249	Gift box (1pce)	58 x 55 x 86	103
	14974550447246	Carton (10pcs)	282 x 122 x 95	1,164
LDRC0630MU1EUD2	4974550447256	Gift box (1pce)	58 x 55 x 86	103
	14974550447253	Carton (10pcs)	282 x 122 x 95	1,164
LDRC0630WU1EUD2	4974550447263	Gift box (1pce)	58 x 55 x 86	103
	14974550447260	Carton (10pcs)	282 x 122 x 95	1,164
LDRC0640MU1EUD2	4974550447270	Gift box (1pce)	58 x 55 x 86	103
	14974550447277	Carton (10pcs)	282 x 122 x 95	1,164
LDRC0640WU1EUD2	4974550447287	Gift box (1pce)	58 x 55 x 86	103
	14974550447284	Carton (10pcs)	282 x 122 x 95	1,064

PRODUCT CODE / 9W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LDRC0927MU1EUD2	4974550447294	Gift box (1pce)	63 x 55 x 120	180
	24974550447298	Carton (10pcs)	282 x 132 x 130	1,910
	14974550447291	Carton (20pcs)	292 x 142 x 280	4,020
LDRC0927WU1EUD2	4974550447300	Gift box (1pce)	63 x 55 x 120	180
	24974550447304	Carton (10pcs)	282 x 132 x 130	1,910
	14974550447307	Carton (20pcs)	292 x 142 x 280	4,020
LDRC0930MU1EUD2	4974550447317	Gift box (1pce)	63 x 55 x 120	180
	24974550447311	Carton (10pcs)	282 x 132 x 130	1,910
	14974550447314	Carton (20pcs)	292 x 142 x 280	4,020
LDRC0930WU1EUD2	4974550447324	Gift box (1pce)	63 x 55 x 120	180
	24974550447328	Carton (10pcs)	282 x 132 x 130	1,910
	14974550447321	Carton (20pcs)	292 x 142 x 280	4,020
LDRC0940MU1EUD2	4974550447331	Gift box (1pce)	63 x 55 x 120	180
	24974550447328	Carton (10pcs)	282 x 132 x 130	1,910
	14974550447338	Carton (20pcs)	292 x 142 x 280	4,020
LDRC0940WU1EUD2	4974550447348	Gift box (1pce)	63 x 55 x 120	180
	24974550447342	Carton (10pcs)	282 x 132 x 130	1,910
	14974550447345	Carton (20pcs)	292 x 142 x 280	4,020

## Handling and safety information

- + Do not cover the lamp with paper, cloth or other easily flammable materials
- + Do not expose the lamp to water or high humidity
- + Avoid additional mechanical stress on the lamp
- + Do not touch the lamp during or shortly after usage. Risk of burn!
- + Use only with recommended drivers
- + Ambient temperature range: +5 °C to +40 °C
- + Do not look directly into the lamp
- + Do not spray pesticide on this lamp
- + Please ensure the mains power is disconnected before undertaking any work on the luminaire or lamp

[www.toshiba.eu/lighting](http://www.toshiba.eu/lighting)