

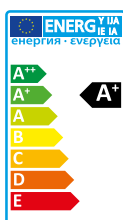
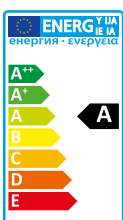


## E-CORE MR16 4W / 5,2W / 7W

E-CORE makes our all-rounder for low-voltage lighting fit for the future. The GU5.3 pin-base lamp is available in eighteen versions, providing maximum flexibility when it comes to meet all your needs in accent and general lighting.

### Application:

- ⊕ Hospitality lighting
- ⊕ Shop and Retail lighting
- ⊕ Residential lighting



## Product details

- + For GU5.3 base
- + Replacement for MR16 low voltage halogen lamps
- + Highly efficient and energy saving
- + Mercury free
- + Instant light
- + Low UV/IR radiation
- + Low heat radiation
- + Operates on 12V transformers
- + Life time 40,000 hours
- + Pleasant warm or cool white light
- + Reduction of energy consumption of up to 80%
- + High light beam quality thanks to precise optics

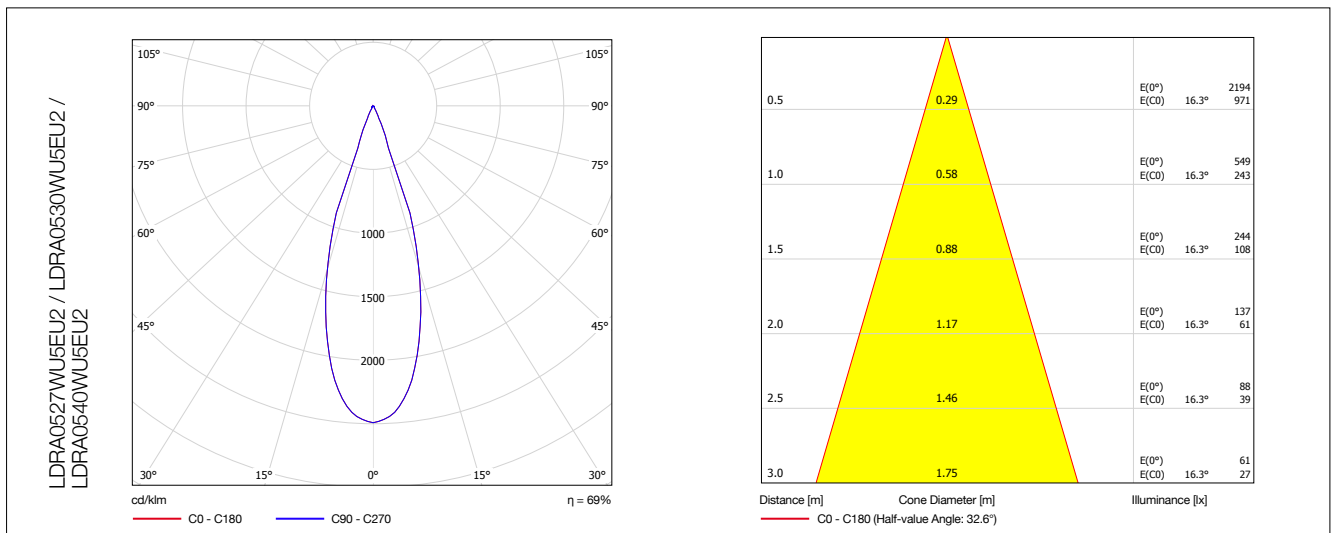
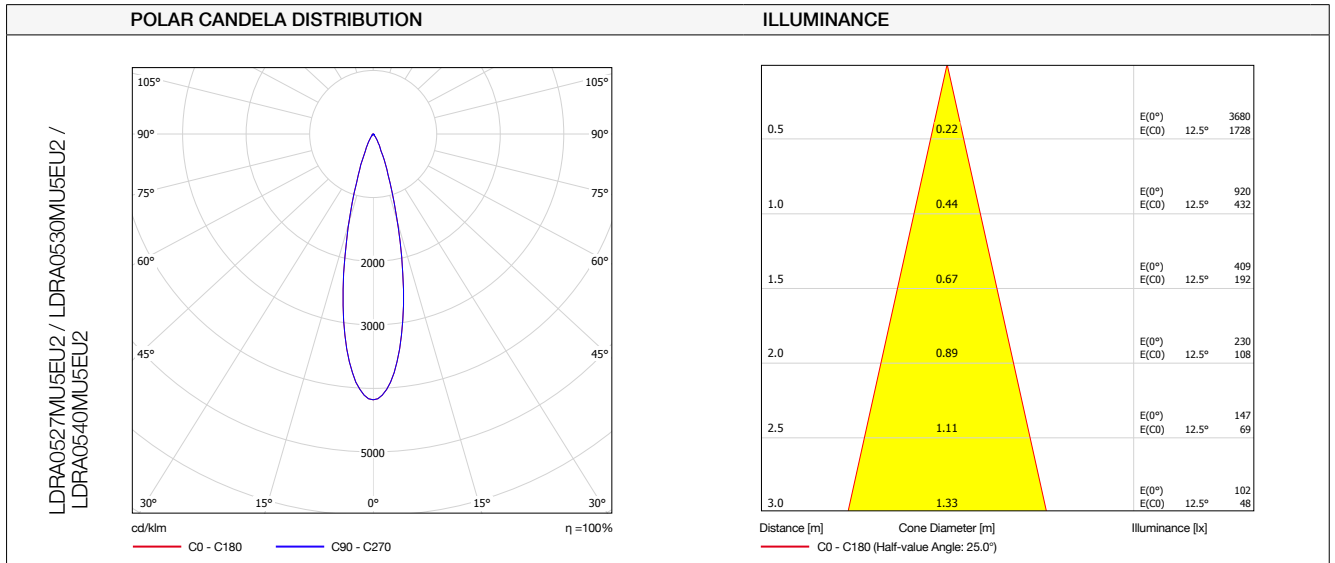
## Optical parameters

MODEL NAME	E-CORE MR16 4W		
Product code	LDRA0527MU5EU2 / LDRA0527WU5EU2	LDRA0530MU5EU2 / LDRA0530WU5EU2	LDRA0540MU5EU2 / LDRA0540WU5EU2
Useful luminous flux	220 lm	230 lm	260 lm
Colour temperature	<b>2700 K</b>	<b>3000 K</b>	<b>4000 K</b>
Colour rendering index	Ra 80	Ra 80	Ra 80
Colour consistency	6 SDCM	6 SDCM	6 SDCM
Beam angle	25° / 35°	25° / 35°	25° / 35°
Luminous intensity	920 / 550 cd	950 / 600 cd	1,050 / 650 cd
Lumen maintenance factor	L70 (or 0.7)	L70 (or 0.7)	L70 (or 0.7)
Lamp efficacy	55 lm/W	57.5 lm/W	65 lm/W
Energy class	A+	A+	A+

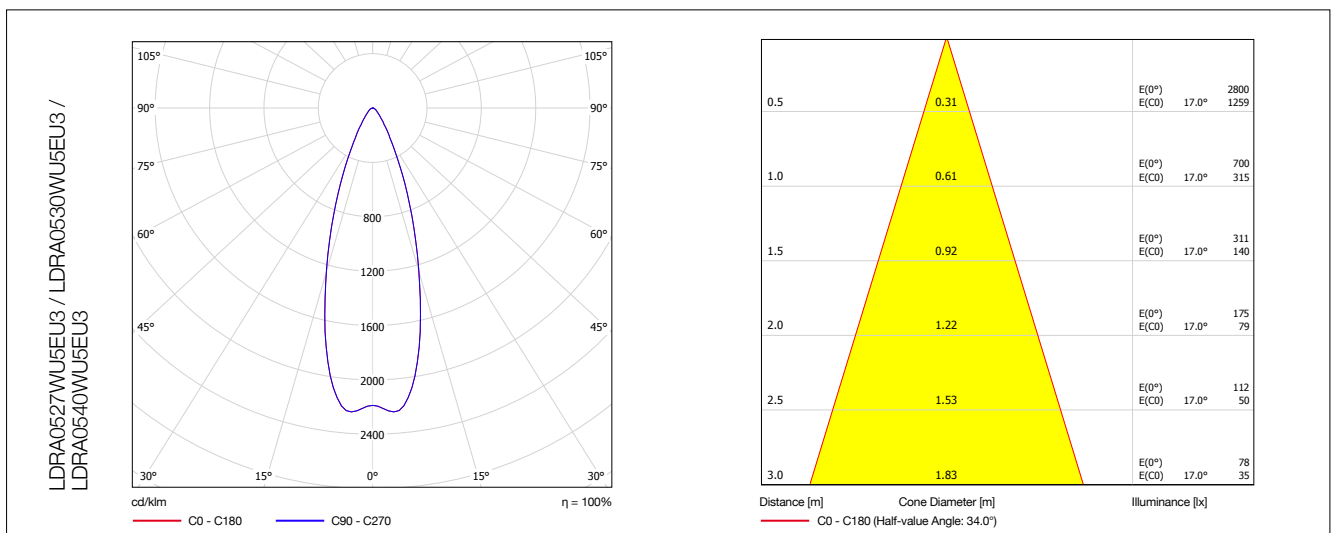
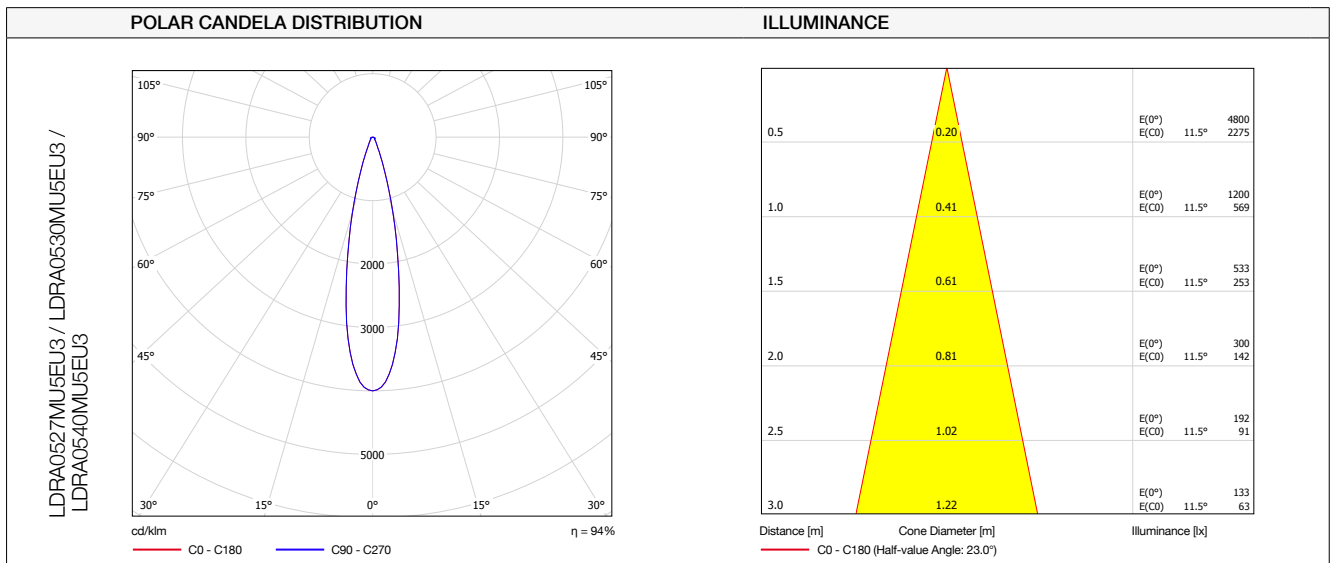
MODEL NAME	E-CORE MR16 5,2W		
Product code	LDRA0527MU5EU3/ LDRA0527WU5EU3	LDRA0530MU5EU3/ LDRA0530WU5EU3	LDRA0540MU5EU3/ LDRA0540WU5EU3
Useful luminous flux	280 lm	290 lm	300 lm
Colour temperature	<b>2700 K</b>	<b>3000 K</b>	<b>4000 K</b>
Colour rendering index	Ra 80	Ra 80	Ra 80
Colour consistency	6 SDCM	6 SDCM	6 SDCM
Beam angle	25° / 35°	25° / 35°	25° / 35°
Luminous intensity	1,200 / 650 cd	1,250 / 700 cd	1,250 / 700 cd
Lumen maintenance factor	L70 (or 0.7)	L70 (or 0.7)	L70 (or 0.7)
Lamp efficacy	53.8 lm/W	55.8 lm/W	57.7 lm/W
Energy class	A	A	A

MODEL NAME	E-CORE MR16 7W		
Product code	LDRA0727MU5EU / LDRA0727WU5EU	LDRA0730MU5EU / LDRA0730WU5EU	LDRA0740MU5EU / LDRA0740WU5EU
Useful luminous flux	360 lm	360 lm	380 lm
Colour temperature (K)	<b>2700 K</b>	<b>3000 K</b>	<b>4000 K</b>
Colour rendering index	Ra 80	Ra 80	Ra 80
Colour consistency	6 SDCM	6 SDCM	6 SDCM
Beam angle	25° / 35°	25° / 35°	25° / 35°
Luminous intensity	1,830 / 1,050 cd	1,830 / 1,050 cd	1,930 / 1,150 cd
Lumen maintenance factor	L70 (or 0.7)	L70 (or 0.7)	L70 (or 0.7)
Lamp efficacy	51.4 lm/W	51.4 lm/W	54.3 lm/W
Energy class	A	A	A

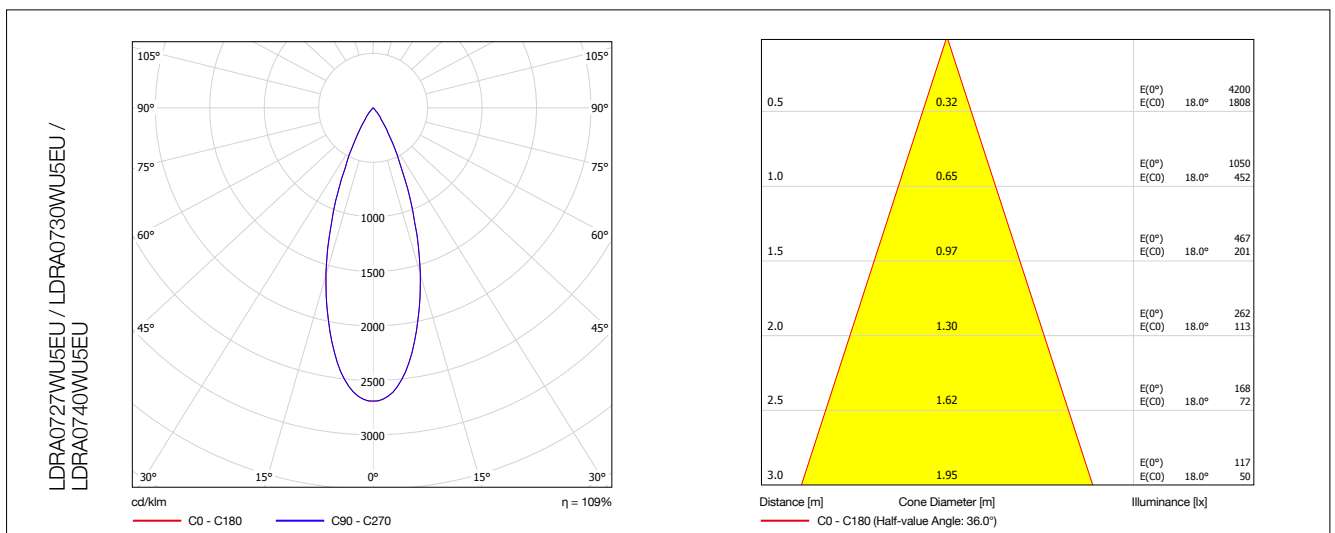
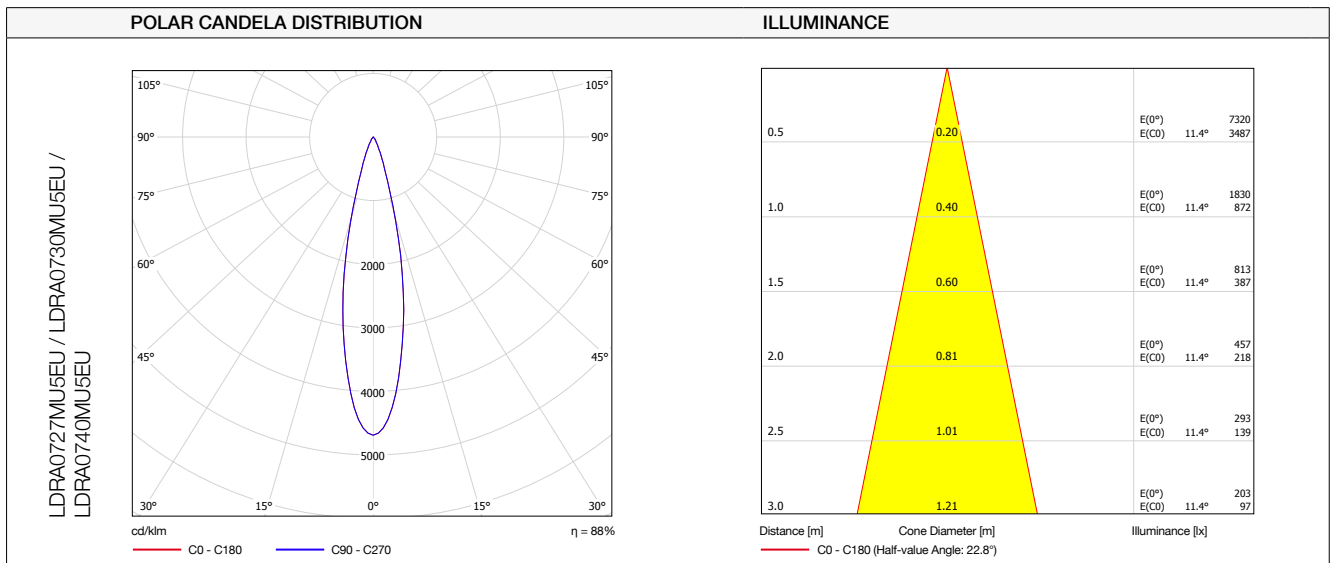
## Optical parameters for E-CORE MR16 4W



## Optical parameters for E-CORE MR16 5,2W



## Optical parameters for E-CORE MR16 7W



## Electrical parameters

MODEL NAME	E-CORE MR16 4W		
Product code	LDRA0527MU5EU2 / LDRA0527WU5EU2	LDRA0530MU5EU2 / LDRA0530WU5EU2	LDRA0540MU5EU2 / LDRA0540WU5EU2
Rated voltage	12 V AC / 50-60 Hz	12 V AC / 50-60 Hz	12 V AC / 50-60 Hz
Rated wattage	4 W	4 W	4 W
Rated input current	480 mA	480 mA	480 mA
Power factor	0.69	0.69	0.69
Rated lifetime	25,000 h	25,000 h	25,000 h
Switching cycle	> 15,000	> 15,000	> 15,000
Starting time	< 0.5 sec	< 0.5 sec	< 0.5 sec
Warm-up time	Instant full light	Instant full light	Instant full light
Dimming	No	No	No

MODEL NAME	E-CORE MR16 5,2W		
Product code	LDRA0527MU5EU3/ LDRA0527WU5EU3	LDRA0530MU5EU3/ LDRA0530WU5EU3	LDRA0540MU5EU3/ LDRA0540WU5EU3
Rated voltage	12 V AC / 50-60 Hz	12 V AC / 50-60 Hz	12 V AC / 50-60 Hz
Rated wattage	5.2 W	5.2 W	5.2 W
Rated input current	550 mA	550 mA	550 mA
Power factor	0.79	0.79	0.79
Rated lifetime	40,000 h	40,000 h	40,000 h
Switching cycle	> 15,000	> 15,000	> 15,000
Starting time	< 0.5 sec	< 0.5 sec	< 0.5 sec
Warm-up time	Instant full light	Instant full light	Instant full light
Dimming	No	No	No

MODEL NAME	E-CORE MR16 7W		
Product code	LDRA0727MU5EU / LDRA0727WU5EU	LDRA0730MU5EU / LDRA0730WU5EU	LDRA0740MU5EU / LDRA0740WU5EU
Rated voltage	12 V AC / 50-60 Hz	12 V AC / 50-60 Hz	12 V AC / 50-60 Hz
Rated wattage	7 W	7 W	7 W
Rated input current	800 mA	800 mA	800 mA
Power factor	0.73	0.73	0.73
Rated lifetime	40,000 h	40,000 h	40,000 h
Switching cycle	> 15,000	> 15,000	> 15,000
Starting time	< 0.5 sec	< 0.5 sec	< 0.5 sec
Warm-up time	Instant full light	Instant full light	Instant full light
Dimming	No	No	No

\* Dimmable on suitable dimmers.

## Mechanical parameters

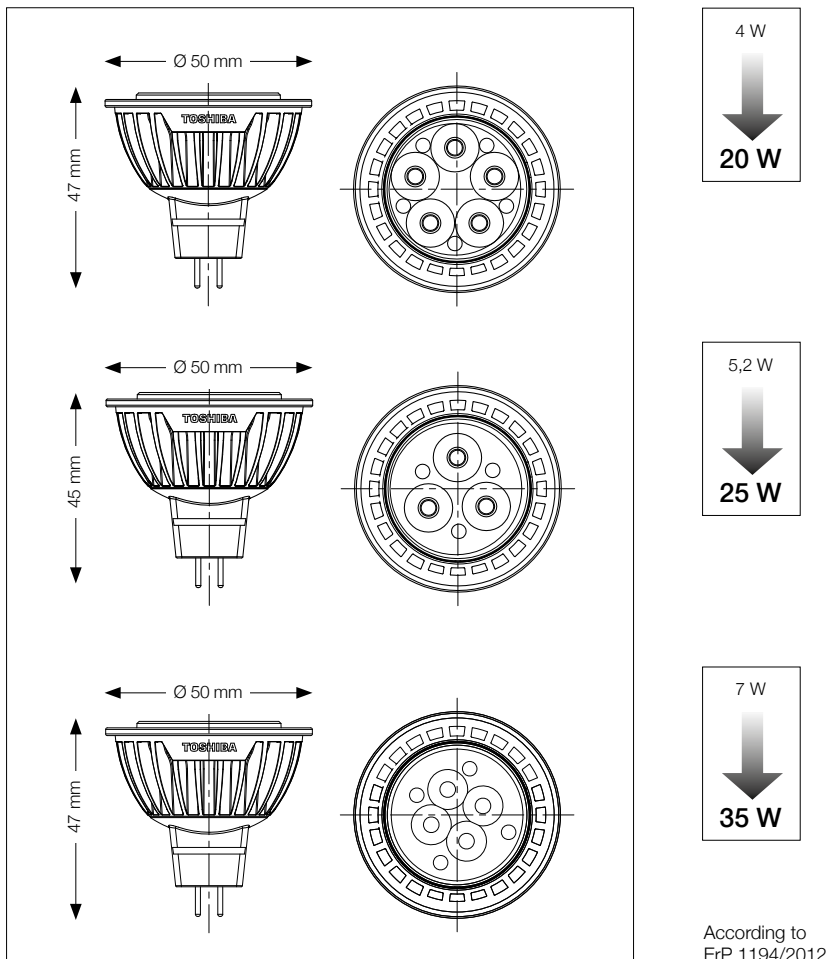
MODEL NAME	E-CORE MR16 4W		
Product code	LDRA0527MU5EU2 / LDRA0527WU5EU2	LDRA0530MU5EU2 / LDRA0530WU5EU2	LDRA0540MU5EU2 / LDRA0540WU5EU2
Overall length	47 mm	47 mm	47 mm
Diameter	50 mm	50 mm	50 mm
Net weight	40 g	40 g	40 g
Cap	GU5.3	GU5.3	GU5.3

MODEL NAME	E-CORE MR16 5,2W		
Product code	LDRA0527MU5EU3/ LDRA0527WU5EU3	LDRA0530MU5EU3/ LDRA0530WU5EU3	LDRA0540MU5EU3/ LDRA0540WU5EU3
Overall length	45 mm	45 mm	45 mm
Diameter	50 mm	50 mm	50 mm
Net weight	50 g	50 g	50 g
Cap	GU5.3	GU5.3	GU5.3

MODEL NAME	E-CORE MR16 7W		
Product code	LDRA0727MU5EU / LDRA0727WU5EU	LDRA0730MU5EU / LDRA0730WU5EU	LDRA0740MU5EU / LDRA0740WU5EU
Overall length	47 mm	47 mm	47 mm
Diameter	50 mm	50 mm	50 mm
Net weight	55 g	55 g	55 g
Cap	GU5.3	GU5.3	GU5.3

\* Dimmable on suitable dimmers.

## Drawings



According to  
ErP 1194/2012

## 12V AC Drivers

For driving the E-CORE lamps a 12 V AC driver is necessary. Not every market offered driver is compatible with these lamps. A list of recommended drivers and conditions of use can be found on our website [www.toshiba.eu/lighting](http://www.toshiba.eu/lighting).

### RECOMMENDED DRIVERS FOR USE WITH MAX. 5 LAMPS:

ABI SET60T-EL 10-60W	ABI SET150-2 50-150W	ABI SET70M 20-70W
DELUCE DLT70 10-70W	DELUCE DLT105 20-105	DELUCE DLT60 10-60W
DELUCE DLT150 50-150W	EREA LASSO 150K 2G 35-150W	FN LIGHT TL150S 50-150W
FN LIGHT TL210S 50-210W	GITRONICA GET 105 FI/VOX 35-105W	GITRONICA GET 200 FI/VOL 50-200W
HEP Group TL210S 50-210W	LCI ET 3-60C	MEANWELL RS-25-12 25W
OSRAM HALOTRONIC HTM105 35-105W	OSRAM HALOTRONIC ECO-ET 60 20-60W	OSRAM HALOTRONIC HTM70 20-70W
PHILIPS CERTALINE 60W 20-60W	PHILIPS Primaline 150 50-150W	PHILIPS Primaline 105 30-105W
PHILIPS Primaline 70 35-70W	PHILIPS ET-E 60 60W	RADIUM Ralotronic S40 10-40W
SEET PRIME 20-60W	SEET HA-60C 20-60W	SEET PLUS 20-60W
SLV TL60S 10-60W	TCI MW 70 LED	TRIDONIC Viper 105VA 35-105VA
TRIDONIC Viper 60VA 20-60VA	VS Z 35-200W	VS TopLine EST 70/12.643 20-70W
VS TopLine EST 105/12.644 20-105W	VS DiscLine EST 70/12.601 20-70W	VS DiscLine EST 105/12.602 35-105W



## Logistic data

PRODUCT CODE / 4 W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LDRA0527MU5EU2	4974550447171	Gift box (1pcs)	58 x 55 x 78	67
	14974550447178	Carton (10pcs)	278 x 118 x 79	780
LDRA0527WU5EU2	4974550447188	Gift box (1pcs)	58 x 55 x 78	67
	14974550447185	Carton (10pcs)	278 x 118 x 79	780
LDRA0530MU5EU2	4974550447195	Gift box (1pcs)	58 x 55 x 78	67
	14974550447192	Carton (10pcs)	278 x 118 x 79	780
LDRA0530WU5EU2	4974550447201	Gift box (1pcs)	58 x 55 x 78	67
	14974550447208	Carton (10pcs)	278 x 118 x 79	780
LDRA0540MU5EU2	4974550447218	Gift box (1pcs)	58 x 55 x 78	67
	14974550447222	Carton (10pcs)	278 x 118 x 79	780
LDRA0540WU5EU2	4974550447225	Gift box (1pcs)	58 x 55 x 78	67
	14974550447208	Carton (10pcs)	278 x 118 x 79	780

PRODUCT CODE / 5.2 W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LDRA0527MU5EU3	4974550459686	Gift box (1pcs)	63 x 55 x 86	80
	24974550459680	Carton (10pcs)	282 x 132 x 96	1,000
	14974550459683	Carton (20pcs)	292 x 142 x 211	2,100
LDRA0527WU5EU3	4974550459693	Gift box (1pcs)	63 x 55 x 86	80
	24974550459697	Carton (10pcs)	282 x 132 x 96	1,000
	14974550459690	Carton (20pcs)	292 x 142 x 211	2,100
LDRA0530MU5EU3	4974550459709	Gift box (1pcs)	63 x 55 x 86	80
	24974550459703	Carton (10pcs)	282 x 132 x 96	1,000
	14974550459706	Carton (20pcs)	292 x 142 x 211	2,100
LDRA0530WU5EU3	4974550459716	Gift box (1pcs)	63 x 55 x 86	80
	24974550459710	Carton (10pcs)	282 x 132 x 96	1,000
	14974550459713	Carton (20pcs)	292 x 142 x 211	2,100
LDRA0540MU5EU3	4974550459723	Gift box (1pcs)	63 x 55 x 86	80
	24974550459727	Carton (10pcs)	282 x 132 x 96	1,000
	14974550459720	Carton (20pcs)	292 x 142 x 211	2,100
LDRA0540WU5EU3	4974550459730	Gift box (1pcs)	63 x 55 x 86	80
	24974550459734	Carton (10pcs)	282 x 132 x 96	1,000
	14974550459737	Carton (20pcs)	292 x 142 x 211	2,100

PRODUCT CODE / 7 W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LDRA0727MU5EU	4974550447089	Gift box (1pcs)	58 x 55 x 78	82
	14974550447086	Carton (10pcs)	278 x 118 x 79	930
LDRA0727WU5EU	4974550428422	Gift box (1pcs)	58 x 55 x 78	82
	14974550428429	Carton (10pcs)	278 x 118 x 79	930
LDRA0730MU5EU	4974550447096	Gift box (1pcs)	58 x 55 x 78	82
	14974550447093	Carton (10pcs)	278 x 118 x 79	930
LDRA0730WU5EU	4974550447102	Gift box (1pcs)	58 x 55 x 78	82
	14974550447109	Carton (10pcs)	278 x 118 x 79	930
LDRA0740MU5EU	4974550447119	Gift box (1pcs)	58 x 55 x 78	82
	14974550447116	Carton (10pcs)	278 x 118 x 79	930
LDRA0740WU5EU	4974550447126	Gift box (1pcs)	58 x 55 x 78	82
	14974550447123	Carton (10pcs)	278 x 118 x 79	930

## 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)