

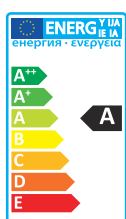


E-CORE MR16 4,6W / 6,5W / 7,5W

E-CORE makes our all-rounder for low-voltage lighting fit for the future. The GU5.3 pin-base lamp is available in twelve 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 25,000 hours
- + Pleasant warm or cool white light
- + Reduction of energy consumption of up to 80%
- + High light beam quality thanks to precise optics

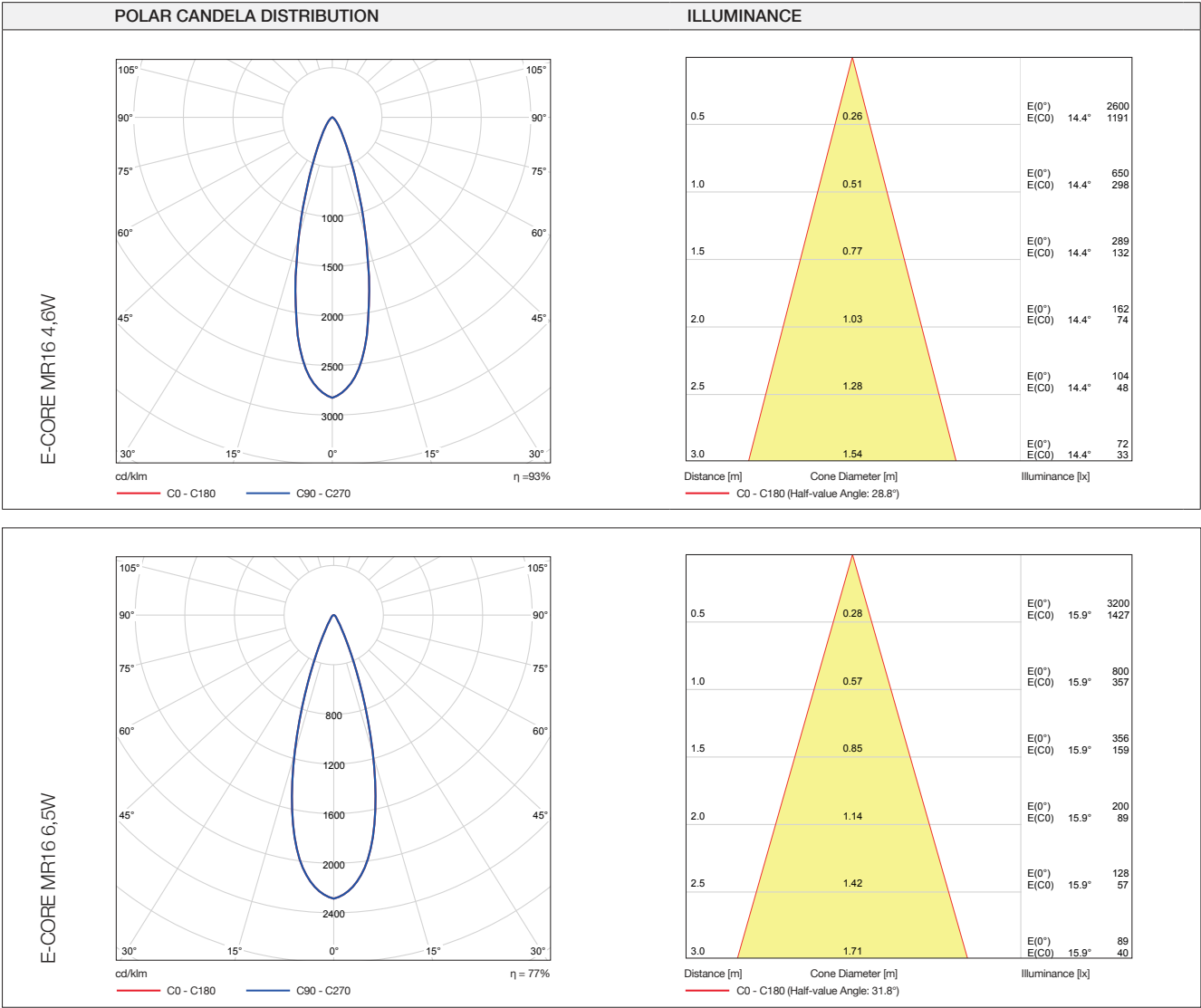
Optical parameters

MODEL NAME	E-CORE MR16 4,6W		
Product code	LDM003A27M30DEU	LDM003A30M30DEU	LDM003A40M30DEU
Useful luminous flux	230 lm	230 lm	230 lm
Total luminous flux	250 lm	250 lm	250 lm
Colour description	Warm white	Warm white	Neutral white
Colour temperature	2700 K	3000 K	4000 K
Colour rendering index	Ra ≥ 80	Ra ≥ 80	Ra ≥ 80
Beam angle	36°	36°	36°
Lamp efficacy	51.1 lm/W	51.1 lm/W	51.1 lm/W
Luminous intensity	650 cd	650 cd	650 cd
Lumen maintenance factor	L70	L70	L70
Energy class	A	A	A
Energy Efficiency Wattage	6 kWh/1000 h	6 kWh/1000 h	6 kWh/1000 h

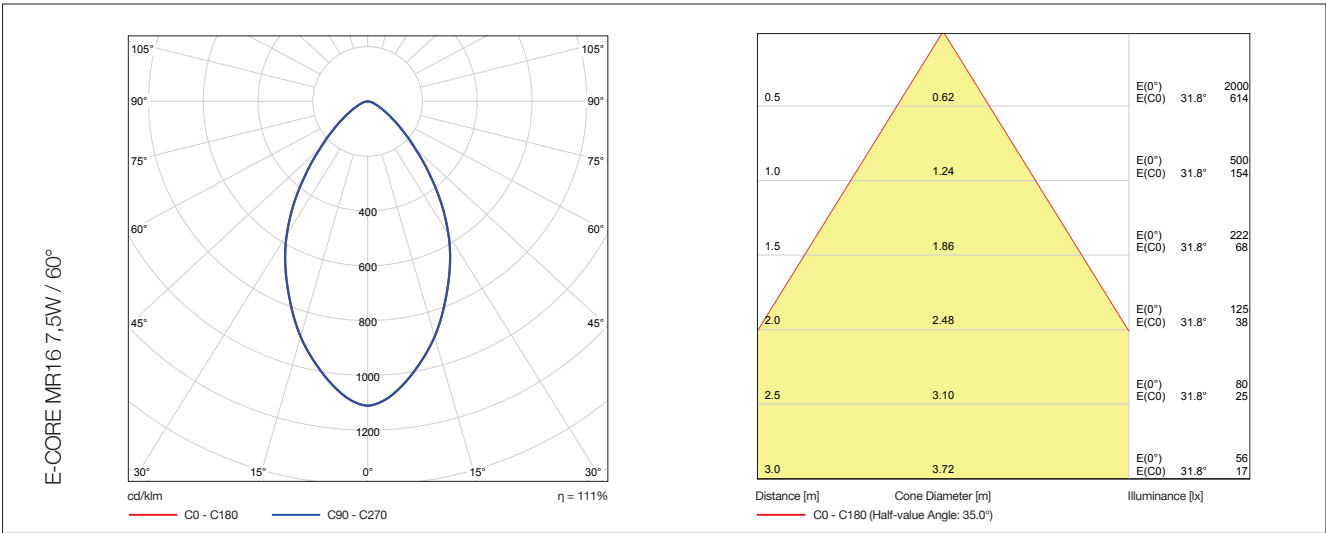
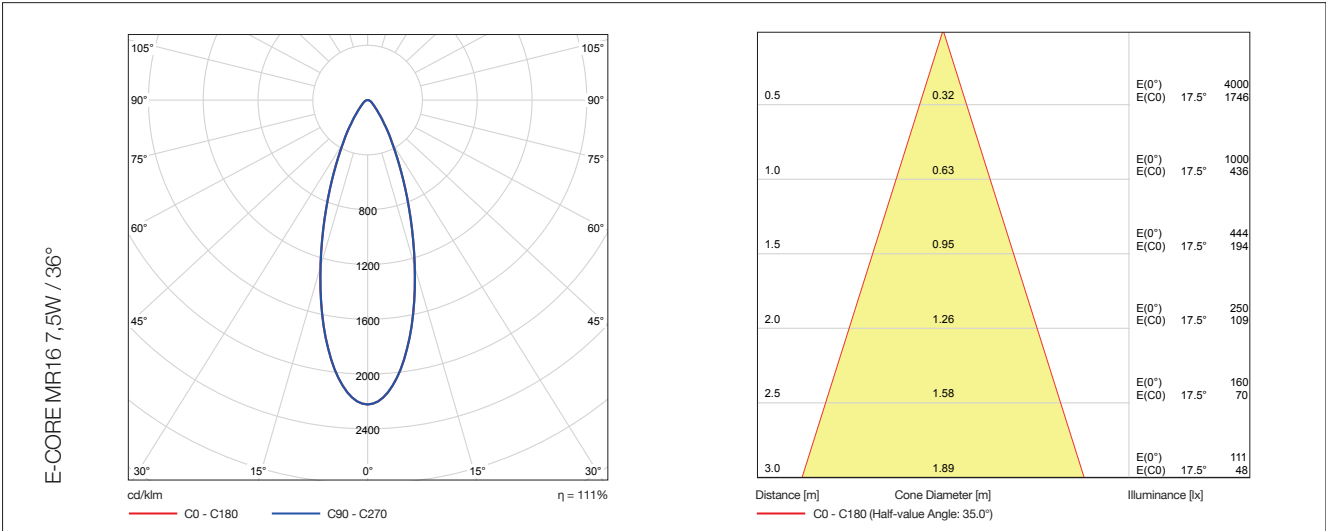
MODEL NAME	E-CORE MR16 6,5W		
Product code	LDM004A27M30DEU	LDM004A30M30DEU	LDM004A40M30DEU
Useful luminous flux	350 lm	350 lm	350 lm
Total luminous flux	380 lm	380 lm	380 lm
Colour description	Warm white	Warm white	Neutral white
Colour temperature	2700 K	3000 K	4000 K
Colour rendering index	Ra ≥ 80	Ra ≥ 80	Ra ≥ 80
Beam angle	36°	36°	36°
Lamp efficacy	53.8 lm/W	53.8 lm/W	53.8 lm/W
Luminous intensity	800 cd	800 cd	800 cd
Lumen maintenance factor	L70	L70	L70
Energy class	A	A	A
Energy Efficiency Wattage	8 kWh/1000 h	8 kWh/1000 h	8 kWh/1000 h

MODEL NAME	E-CORE MR16 7,5W		
Product code	LDM005A27M30DEU / LDM005A27W30DEU	LDM005A30M30DEU / LDM005A30W30DEU	LDM005A40M30DEU / LDM005A40W30DEU
Useful luminous flux	450 lm	450 lm	450 lm
Total luminous flux	500 lm	500 lm	500 lm
Colour description	Warm white	Warm white	Neutral white
Colour temperature (K)	2700 K	3000 K	4000 K
Colour rendering index	Ra ≥ 80	Ra ≥ 80	Ra ≥ 80
Beam angle	36° / 60°	36° / 60°	36° / 60°
Lamp efficacy	60 lm/W	60 lm/W	60 lm/W
Luminous intensity	1000 cd / 500 cd	1000 cd / 500 cd	1000 cd / 500 cd
Lumen maintenance factor	L70	L70	L70
Energy class	A	A	A
Energy Efficiency Wattage	9 kWh/1000 h	9 kWh/1000 h	9 kWh/1000 h

Optical parameters



Optical parameters



Electrical parameters

MODEL NAME	E-CORE MR16 4,6W		
Product code	LDM003A27M30DEU	LDM003A30M30DEU	LDM003A40M30DEU
Rated voltage	12 V	12 V	12 V
Rated wattage	4.6 W	4.6 W	4.6 W
Rated input current	404 mA	404 mA	404 mA
Power factor	> 0.9	> 0.9	> 0.9
Rated lifetime	25,000 h	25,000 h	25,000 h
Switching cycles	> 15,000	> 15,000	> 15,000
Starting time	< 0.5 s	< 0.5 s	< 0.5 s
Warm-up time	Instant full light	Instant full light	Instant full light
Dimming	Yes	Yes	Yes

MODEL NAME	E-CORE MR16 6,5W		
Product code	LDM004A27M30DEU	LDM004A30M30DEU	LDM004A40M30DEU
Rated voltage	12 V	12 V	12 V
Rated wattage	6.5 W	6.5 W	6.5 W
Rated input current	570 mA	570 mA	570 mA
Power factor	> 0.9	> 0.9	> 0.9
Rated lifetime	25,000 h	25,000 h	25,000 h
Switching cycles	> 15,000	> 15,000	> 15,000
Starting time	< 0.5 s	< 0.5 s	< 0.5 s
Warm-up time	Instant full light	Instant full light	Instant full light
Dimming	Yes	Yes	Yes

MODEL NAME	E-CORE MR16 7,5W		
Product code	LDM005A27M30DEU / LDM005A27W30DEU	LDM005A30M30DEU / LDM005A30W30DEU	LDM005A40M30DEU / LDM005A40W30DEU
Rated voltage	12 V	12 V	12 V
Rated wattage	7.5 W	7.5 W	7.5 W
Rated input current	640 mA	640 mA	640 mA
Power factor	> 0.9	> 0.9	> 0.9
Rated lifetime	25,000 h	25,000 h	25,000 h
Switching cycles	> 15,000	> 15,000	> 15,000
Starting time	< 0.5 s	< 0.5 s	< 0.5 s
Warm-up time	Instant full light	Instant full light	Instant full light
Dimming	Yes	Yes	Yes

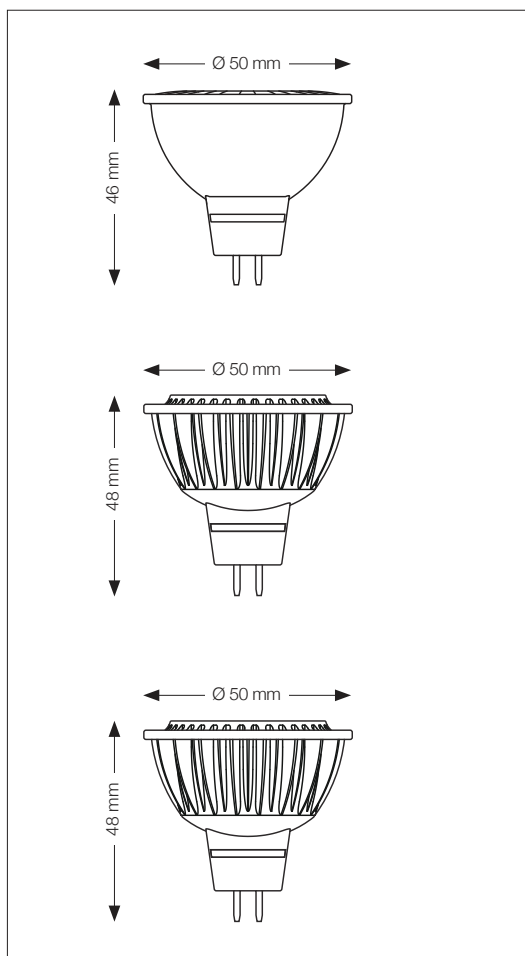
Mechanical parameters

MODEL NAME	E-CORE MR16 4,6W		
Product code	LDM003A27M30DEU	LDM003A30M30DEU	LDM003A40M30DEU
Overall length	46 mm	46 mm	46 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 6,5W		
Product code	LDM004A27M30DEU	LDM004A30M30DEU	LDM004A40M30DEU
Overall length	48 mm	48 mm	48 mm
Diameter	50 mm	50 mm	50 mm
Net weight	53 g	53 g	53 g
Cap	GU5.3	GU5.3	GU5.3

MODEL NAME	E-CORE MR16 7,5W		
Product code	LDM005A27M30DEU / LDM005A27W30DEU	LDM005A30M30DEU / LDM005A30W30DEU	LDM005A40M30DEU / LDM005A40W30DEU
Overall length	48 mm	48 mm	48 mm
Diameter	50 mm	50 mm	50 mm
Net weight	53 g	53 g	53 g
Cap	GU5.3	GU5.3	GU5.3

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.

RECOMMENDED DRIVERS FOR USE WITH MAX. 5 LAMPS (UNDER PROGRESS):

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 / 4.6 W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (L x H x W)	GROSS WEIGHT
LDM003A27M30DEU	4974550489768	Gift box (1pc)	50 x 50 x 60 mm	60 g
	14974550489765	Carton (10pcs)	265 x 110 x 68 mm	644 g
	24974550489762	Carton (40 pcs)	575 x 282 x 160 mm	6,293 g
LDM003A30M30DEU	4974550489775	Gift box (1pc)	50 x 50 x 60 mm	60 g
	14974550489772	Carton (10pcs)	265 x 110 x 68 mm	644 g
	24974550489779	Carton (40 pcs)	575 x 282 x 160 mm	6,293 g
LDM003A40M30DEU	4974550489782	Gift box (1pc)	50 x 50 x 60 mm	60 g
	14974550489789	Carton (40 pcs)	265 x 110 x 68 mm	644 g
	24974550489786	Carton (10pcs)	575 x 282 x 160 mm	6,293 g

PRODUCT CODE / 6.5 W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (L x H x W)	GROSS WEIGHT
LDM004A27M30DEU	4974550489799	Gift box (1pc)	50 x 50 x 60 mm	63 g
	14974550489796	Carton (10pcs)	265 x 110 x 68 mm	674 g
	24974550489793	Carton (40 pcs)	575 x 282 x 160 mm	7,236 g
LDM004A30M30DEU	4974550489812	Gift box (1pc)	50 x 50 x 60 mm	63 g
	14974550489819	Carton (10pcs)	265 x 110 x 68 mm	674 g
	24974550489816	Carton (40 pcs)	575 x 282 x 160 mm	7,236 g
LDM004A40M30DEU	4974550489836	Gift box (1pc)	50 x 50 x 60 mm	63 g
	14974550489833	Carton (10pcs)	265 x 110 x 68 mm	674 g
	24974550489830	Carton (40 pcs)	575 x 282 x 160 mm	7,236 g

PRODUCT CODE / 7.5 W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (L x H x W)	GROSS WEIGHT
LDM005A27M30DEU	4974550489850	Gift box (1pc)	50 x 50 x 60 mm	63 g
	14974550489857	Carton (10pcs)	265 x 110 x 68 mm	674 g
	24974550489854	Carton (40 pcs)	575 x 282 x 160 mm	7,236 g
LDM005A27W30DEU	4974550489867	Gift box (1pc)	50 x 50 x 60 mm	63 g
	14974550489864	Carton (10pcs)	265 x 110 x 68 mm	674 g
	24974550489861	Carton (40 pcs)	575 x 282 x 160 mm	7,236 g
LDM005A30M30DEU	4974550489874	Gift box (1pc)	50 x 50 x 60 mm	63 g
	14974550489871	Carton (10pcs)	265 x 110 x 68 mm	674 g
	24974550489878	Carton (40 pcs)	575 x 282 x 160 mm	7,236 g
LDM005A30W30DEU	4974550489881	Gift box (1pc)	50 x 50 x 60 mm	63 g
	14974550489888	Carton (10pcs)	265 x 110 x 68 mm	674 g
	24974550489885	Carton (40 pcs)	575 x 282 x 160 mm	7,236 g
LDM005A40M30DEU	4974550489898	Gift box (1pc)	50 x 50 x 60 mm	63 g
	14974550489895	Carton (10pcs)	265 x 110 x 68 mm	674 g
	24974550489892	Carton (40 pcs)	575 x 282 x 160 mm	7,236 g
LDM005A40W30DEU	4974550489904	Gift box (1pc)	50 x 50 x 60 mm	63 g
	14974550489901	Carton (10pcs)	265 x 110 x 68 mm	674 g
	24974550489908	Carton (40 pcs)	575 x 282 x 160 mm	7,236 g

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: -20 °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

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