

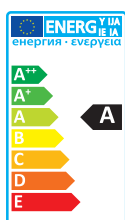


E-CORE PAR16 4,5W / 7W / 8W

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
- + Retrofit and compact shape for all the models
- + Dimmable
- + Focussed light with different beam angles: 36° and 60°
- + Mercury free
- + Reduction of energy consumption of up to 87%
- + Low IR or UV radiation
- + Life time up to 25,000 hours
- + Pleasant warm or neutral white light
- + Instant light
- + Outstanding light quality delivered by great optics

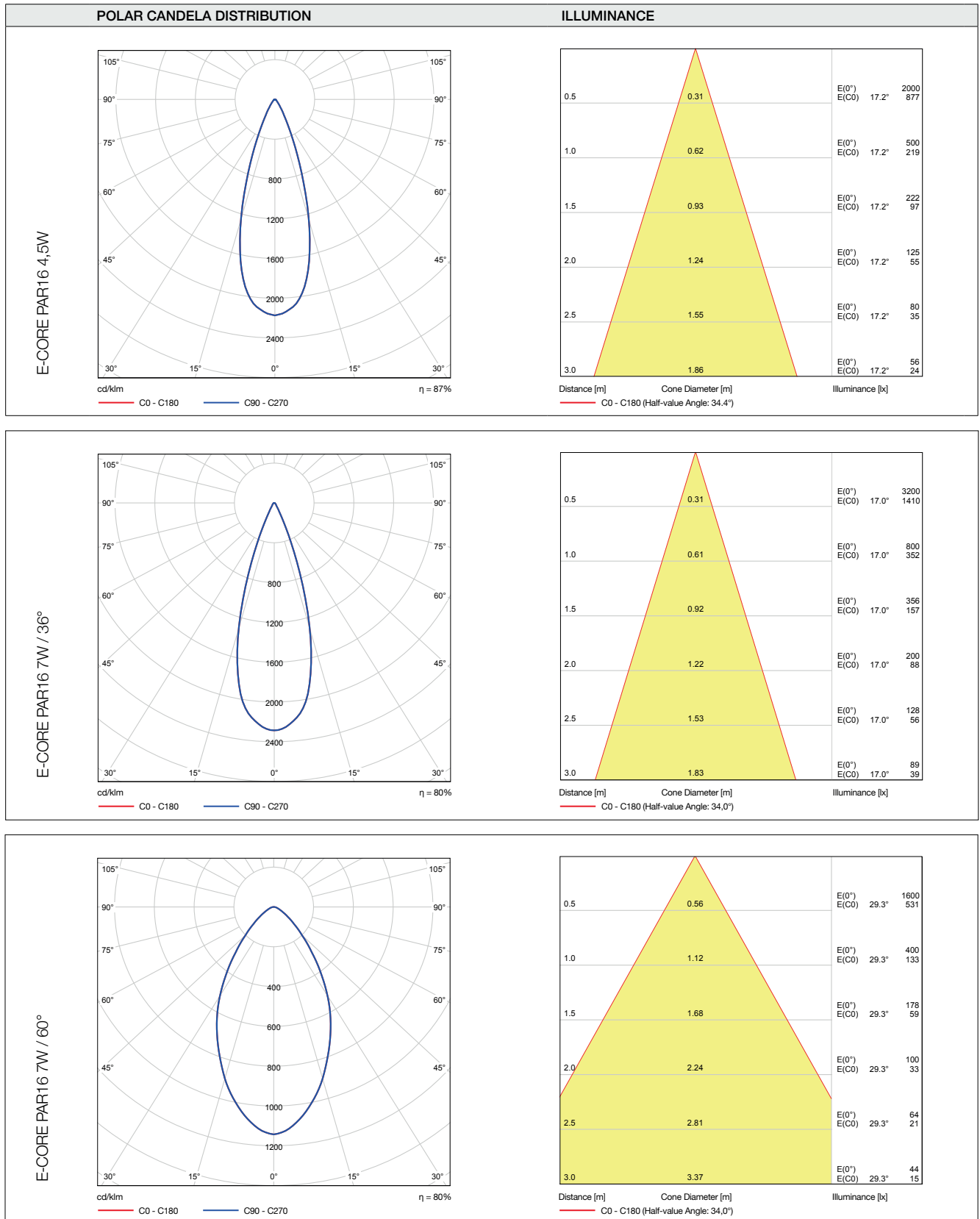
Optical parameters

| MODEL NAME | E-CORE PAR16 4,5W | | |
|---------------------------|-------------------|-----------------|-----------------|
| Product code | LDP004D27M40DEU | LDP004D30M40DEU | LDP004D40M40DEU |
| 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 | ≥ 80 Ra | ≥ 80 Ra | ≥ 80 Ra |
| Beam angle | 36° | 36° | 36° |
| Lamp efficacy | 51.1 lm/W | 51.1 lm/W | 51.1 lm/W |
| Luminous intensity | 500 cd | 500 cd | 500 cd |
| Lumen maintenance factor | L70 | L70 | L70 |
| Energy class | A+ | A+ | A+ |
| Energy efficiency wattage | 5 kWh/1000 h | 5 kWh/1000 h | 5 kWh/1000 h |

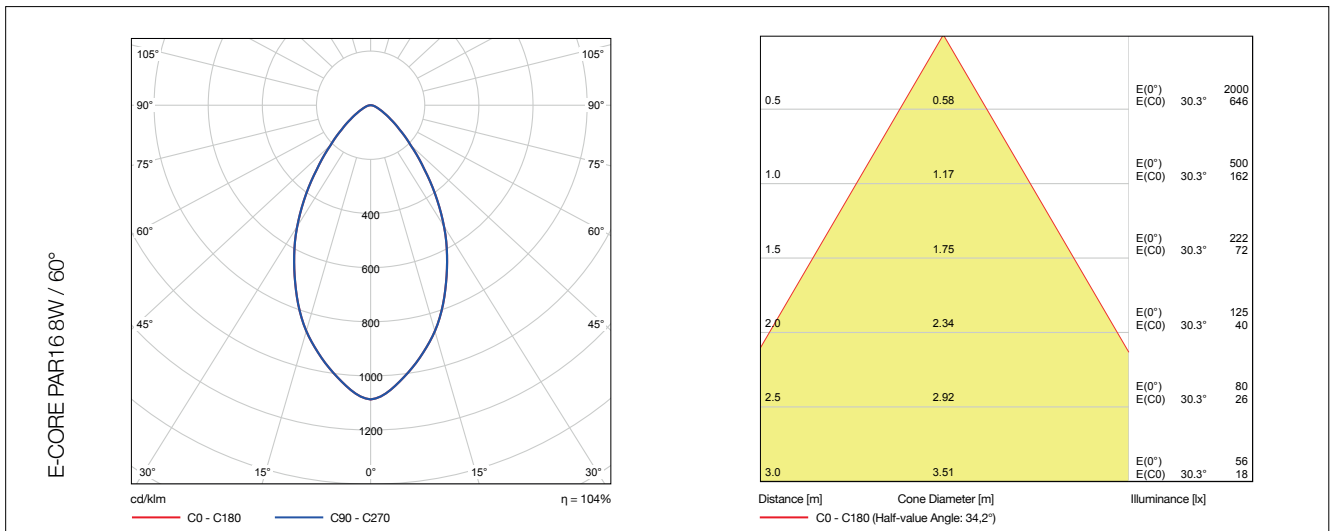
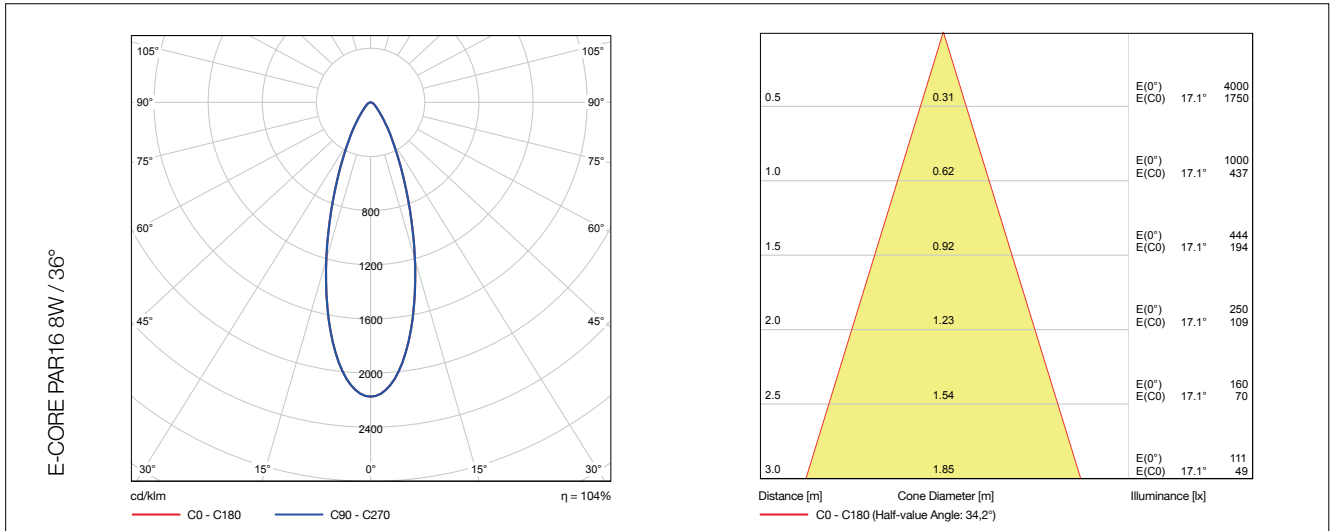
| MODEL NAME | E-CORE PAR16 7W | | |
|---------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Product code | LDP005D27M40DEU / LDP005D27W40DEU | LDP005D30M40DEU / LDP005D30W40DEU | LDP005D40M40DEU / LDP005D40W40DEU |
| 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 | ≥ 80 Ra | ≥ 80 Ra | ≥ 80 Ra |
| Beam angle | 36° / 60° | 36° / 60° | 36° / 60° |
| Lamp efficacy | 50.0 lm/W | 50.0 lm/W | 50.0 lm/W |
| Luminous intensity | 800 cd / 400 cd | 800 cd / 400 cd | 800 cd / 400 cd |
| Lumen maintenance factor | L70 | L70 | L70 |
| Energy class | A | A | A |
| Energy efficiency wattage | 7 kWh/1000 h | 7 kWh/1000 h | 7 kWh/1000 h |

| MODEL NAME | E-CORE PAR16 8W | | |
|---------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Product code | LDP006D27M40DEU / LDP006D27W40DEU | LDP006D30M40DEU / LDP006D30W40DEU | LDP006D40M40DEU / LDP006D40W40DEU |
| Useful luminous flux | 460 lm | 460 lm | 460 lm |
| Total luminous flux | 500 lm | 500 lm | 500 lm |
| Colour description | Warm white | Warm white | Neutral white |
| Colour temperature | 2700 K | 3000 K | 4000 K |
| Colour rendering index | ≥ 80 Ra | ≥ 80 Ra | ≥ 80 Ra |
| Beam angle | 36° / 60° | 36° / 60° | 36° / 60° |
| Lamp efficacy | 57.5 lm/W | 57.5 lm/W | 57.5 lm/W |
| Luminous intensity | 1,000 cd / 500 cd | 1,000 cd / 500 cd | 1,000 cd / 500 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 |

Optical parameters



Optical parameters



Electrical parameters

| MODEL NAME | E-CORE PAR16 4,5W | | |
|---------------------|--------------------|--------------------|--------------------|
| Product code | LDP004D27M40DEU | LDP004D30M40DEU | LDP004D40M40DEU |
| Rated voltage | 220-240 V | 220-240 V | 220-240 V |
| Rated wattage | 4.5 W | 4.5 W | 4.5 W |
| Frequency | 50 Hz | 50 Hz | 50 Hz |
| Rated input current | 39 mA | 39 mA | 39 mA |
| Power factor | > 0.4 | > 0.4 | > 0.4 |
| Rated lifetime | 25,000 h | 25,000 h | 25,000 h |
| Switching cycle | > 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 PAR16 7W | | |
|---------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Product code | LDP005D27M40DEU / LDP005D27W40DEU | LDP005D30M40DEU / LDP005D30W40DEU | LDP005D40M40DEU / LDP005D40W40DEU |
| Rated voltage | 220-240 V | 220-240 V | 220-240 V |
| Rated wattage | 7 W | 7 W | 7 W |
| Frequency | 50 Hz | 50 Hz | 50 Hz |
| Rated input current | 40 mA | 40 mA | 40 mA |
| Power factor | > 0.7 | > 0.7 | > 0.7 |
| Rated lifetime | 25,000 h | 25,000 h | 25,000 h |
| Switching cycle | > 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 PAR16 8W | | |
|---------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Product code | LDP006D27M40DEU / LDP006D27W40DEU | LDP006D30M40DEU / LDP006D30W40DEU | LDP006D40M40DEU / LDP006D40W40DEU |
| Rated voltage | 220-240 V | 220-240 V | 220-240 V |
| Rated wattage | 8 W | 8 W | 8 W |
| Frequency | 50 Hz | 50 Hz | 50 Hz |
| Rated input current | 45 mA | 45 mA | 45 mA |
| Power factor | > 0.7 | > 0.7 | > 0.7 |
| Rated lifetime | 25,000 h | 25,000 h | 25,000 h |
| Switching cycle | > 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 |

* Dimmable on suitable dimmers.

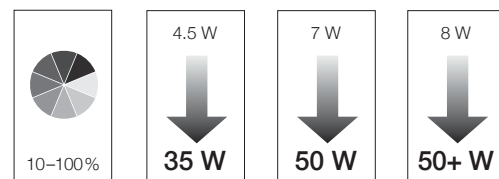
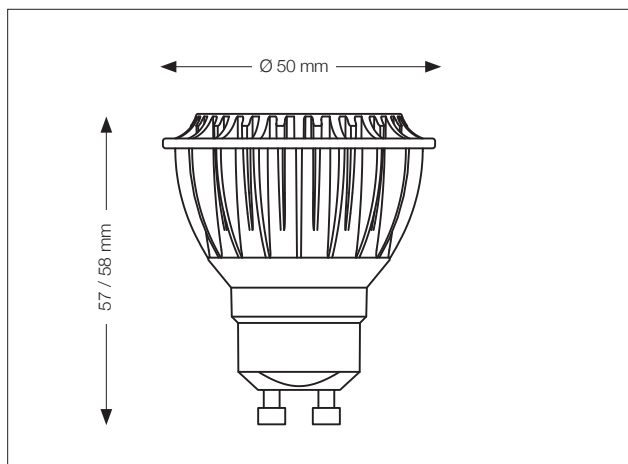
Mechanical parameters

| MODEL NAME | E-CORE PAR16 4,5W | | |
|----------------|-------------------|-----------------|-----------------|
| Product code | LDP004D27M40DEU | LDP004D30M40DEU | LDP004D40M40DEU |
| Overall length | 57 mm | 57 mm | 57 mm |
| Diameter | 50 mm | 50 mm | 50 mm |
| Net weight | 75 g | 75 g | 75 g |
| Cap | GU10 | GU10 | GU10 |

| MODEL NAME | E-CORE PAR16 7W | | |
|----------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Product code | LDP005D27M40DEU / LDP005D27W40DEU | LDP005D30M40DEU / LDP005D30W40DEU | LDP005D40M40DEU / LDP005D40W40DEU |
| Overall length | 57 mm | 57 mm | 57 mm |
| Diameter | 50 mm | 50 mm | 50 mm |
| Net weight | 75 g | 75 g | 75 g |
| Cap | GU10 | GU10 | GU10 |

| MODEL NAME | E-CORE PAR16 8W | | |
|----------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Product code | LDP006D27M40DEU / LDP006D27W40DEU | LDP006D30M40DEU / LDP006D30W40DEU | LDP006D40M40DEU / LDP006D40W40DEU |
| Overall length | 58 mm | 58 mm | 58 mm |
| Diameter | 50 mm | 50 mm | 50 mm |
| Net weight | 75 g | 75 g | 75 g |
| Cap | GU10 | GU10 | GU10 |

Drawings



According to
ErP 1194/2012

Dimmability

The LED-Lamps can be dimmed in a range of 10%-100%. 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.

RECOMMENDED DIMMERS FOR MAX. 8 LAMPS WITH A DIMMING OF 10 %-100 % (UNDER PROGRESS):

| | | |
|------------------------------|--------------------------------|----------------------------|
| AURORA AU-DSP250 250W | AURORA AU-DSP400 400W | BERKER 2830_10 60-400W |
| BERKER 2873 20-500W | BUSCH-JAEGER 6513U-102 40-420W | BUSCH-JAEGER 2247U 500W |
| BUSCH-JAEGER 2250U 600W | CONRAD EMD200 40-300W | CRABTREE BQLP003 60-400W |
| DANLERS DP1D250WIET 40-250W | DANLERS DP1D400WIET 40-400W | DANLERS DP1D250W 40-250W |
| DETA S1253 400W | GIRA 030200 100 60-600W | HAGER EV100 1000W |
| JUNG 225NV DE 20-500W | JUNG 266GDE 60-600W | JUNG 225T DE 20-525W |
| LUTRON LLSM-502H 40-500W | MK K1501 WHI LV 60-500W | NEWLEC GET NL1131N 60-250W |
| PEHA 436 60-600W | PEHA 435HAN 60-600W | RVE RV5 1000W |
| SCHNEIDER UNICA TOP 511 500W | SOLOGIC 28956 20-400W | 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 / 4,5W | EAN/ITF CODE | PACKAGING TYPE | SIZE OF PACKAGING | GROSS WEIGHT |
|---------------------|----------------|-----------------|--------------------------|--------------|
| LDP004D27M40DEU | 4974550486866 | Gift box (1pce) | 50 mm x 50 x mm 60 mm | 85 g |
| | 14974550486863 | Carton (10pcs) | 265 mm x 110 x mm 68 mm | 894 g |
| | 24974550486860 | Carton (40pcs) | 575 mm x 282 x mm 160 mm | 9,436 g |
| LDP004D30M40DEU | 4974550486873 | Gift box (1pce) | 50 mm x 50 x mm 60 mm | 85 g |
| | 14974550486870 | Carton (10pcs) | 265 mm x 110 x mm 68 mm | 894 g |
| | 24974550486877 | Carton (40pcs) | 575 mm x 282 x mm 160 mm | 9,436 g |
| LDP004D40M40DEU | 4974550486880 | Gift box (1pce) | 50 mm x 50 x mm 60 mm | 85 g |
| | 14974550486887 | Carton (10pcs) | 265 mm x 110 x mm 68 mm | 894 g |
| | 24974550486884 | Carton (40pcs) | 575 mm x 282 x mm 160 mm | 9,436 g |

| PRODUCT CODE / 7W | EAN/ITF CODE | PACKAGING TYPE | SIZE OF PACKAGING | GROSS WEIGHT |
|-------------------|----------------|-----------------|--------------------------|--------------|
| LDP005D27M40DEU | 4974550486897 | Gift box (1pce) | 50 mm x 50 mm x 60 mm | 85 g |
| | 14974550486894 | Carton (10pcs) | 265 mm x 110 mm x 68 mm | 894 g |
| | 24974550486891 | Carton (40pcs) | 575 mm x 282 mm x 160 mm | 9,436 g |
| LDP005D27W40DEU | 4974550486903 | Gift box (1pce) | 50 mm x 50 mm x 60 mm | 85 g |
| | 14974550486900 | Carton (10pcs) | 265 mm x 110 mm x 68 mm | 894 g |
| | 24974550486907 | Carton (40pcs) | 575 mm x 282 mm x 160 mm | 9,436 g |
| LDP005D30M40DEU | 4974550486910 | Gift box (1pce) | 50 mm x 50 mm x 60 mm | 85 g |
| | 14974550486917 | Carton (10pcs) | 265 mm x 110 mm x 68 mm | 894 g |
| | 24974550486914 | Carton (40pcs) | 575 mm x 282 mm x 160 mm | 9,436 g |
| LDP005D30W40DEU | 4974550486927 | Gift box (1pce) | 50 mm x 50 mm x 60 mm | 85 g |
| | 14974550486924 | Carton (10pcs) | 265 mm x 110 mm x 68 mm | 894 g |
| | 24974550486921 | Carton (40pcs) | 575 mm x 282 mm x 160 mm | 9,436 g |
| LDP005D40M40DEU | 4974550486934 | Gift box (1pce) | 50 mm x 50 mm x 60 mm | 85 g |
| | 14974550486931 | Carton (10pcs) | 265 mm x 110 mm x 68 mm | 894 g |
| | 24974550486938 | Carton (40pcs) | 575 mm x 282 mm x 160 mm | 9,436 g |
| LDP005D40W40DEU | 4974550486941 | Gift box (1pce) | 50 mm x 50 mm x 60 mm | 85 g |
| | 14974550486948 | Carton (10pcs) | 265 mm x 110 mm x 68 mm | 894 g |
| | 24974550486945 | Carton (40pcs) | 575 mm x 282 mm x 160 mm | 9,436 g |

| PRODUCT CODE / 8W | EAN/ITF CODE | PACKAGING TYPE | SIZE OF PACKAGING | GROSS WEIGHT |
|-------------------|----------------|-----------------|--------------------------|--------------|
| LDP006D27M40DEU | 4974550486958 | Gift box (1pce) | 50 mm x 50 mm x 60 mm | 85 g |
| | 14974550486955 | Carton (10pcs) | 265 mm x 110 mm x 68 mm | 894 g |
| | 24974550486952 | Carton (40pcs) | 575 mm x 282 mm x 160 mm | 9,436 g |
| LDP006D27W40DEU | 4974550486965 | Gift box (1pce) | 50 mm x 50 mm x 60 mm | 85 g |
| | 14974550486962 | Carton (10pcs) | 265 mm x 110 mm x 68 mm | 894 g |
| | 24974550486969 | Carton (40pcs) | 575 mm x 282 mm x 160 mm | 4,020 g |
| LDP006D30M40DEU | 4974550486972 | Gift box (1pce) | 50 mm x 50 mm x 60 mm | 85 g |
| | 14974550486979 | Carton (10pcs) | 265 mm x 110 mm x 68 mm | 894 g |
| | 24974550486976 | Carton (40pcs) | 575 mm x 282 mm x 160 mm | 4,020 g |
| LDP006D30W40DEU | 4974550486989 | Gift box (1pce) | 50 mm x 50 mm x 60 mm | 85 g |
| | 14974550486986 | Carton (10pcs) | 265 mm x 110 mm x 68 mm | 894 g |
| | 24974550486983 | Carton (40pcs) | 575 mm x 282 mm x 160 mm | 4,020 g |
| LDP006D40M40DEU | 4974550486996 | Gift box (1pce) | 50 mm x 50 mm x 60 mm | 85 g |
| | 14974550486993 | Carton (10pcs) | 265 mm x 110 mm x 68 mm | 894 g |
| | 24974550486990 | Carton (40pcs) | 575 mm x 282 mm x 160 mm | 4,020 g |
| LDP006D40W40DEU | 4974550487009 | Gift box (1pce) | 50 mm x 50 mm x 60 mm | 85 g |
| | 14974550487006 | Carton (10pcs) | 265 mm x 110 mm x 68 mm | 894 g |
| | 24974550487003 | Carton (40pcs) | 575 mm x 282 mm x 160 mm | 4,020 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

www.toshiba.eu/lighting