

Specification sheet



Product description
Model name
Product Code
EAN code
ITF code

Toshiba LED LAMP E-CORE
LDAC0627E7EUD
218-50444
4974550435178
14974550435175

■ The strong point of TOSHIBA E-CORE LED Lamp

- Low energy and high efficacy.
- Mercury Free
- Instant full light
- Low Heat Radiation
- Low UV radiation

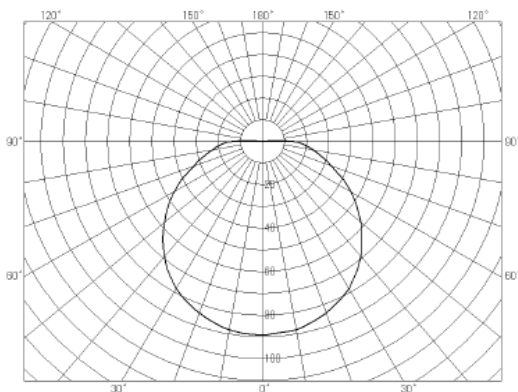
■ Technical DATA

| | |
|---|--------------------------------|
| Rated Voltage (V) | 220-240 |
| Rated Wattage (W) | 6.0 |
| Frequency (Hz) | 50 / 60 |
| Rated Input Current (mA) | 39 |
| Power Factor | 0.67 |
| Luminous Flux(lm) | 325 |
| Colour Description | Warm White |
| Colour Temperature (K) | 2700 |
| Colour Rendering Index (Ra) | 80 |
| Beam Angle (°) | - |
| CBCP (cd) | - |
| Lamp Efficacy (lm / W) | 54.2 |
| Rated Lamp Lifetime (h) | 40,000 |
| Lumen Maintenance | 70% at the rated lamp lifetime |
| Number of Switching Cycle | over 20000 times |
| Dimming | Dimmable |
| Overall Length (mm) | 112 |
| Diameter (mm) | 60 |
| Net Weight (g) | 89 |
| Cap | E27 |
| Starting Time (s) | <0.5 |
| LED Min Lumens to claim wattage equivalence (W) | 30 |

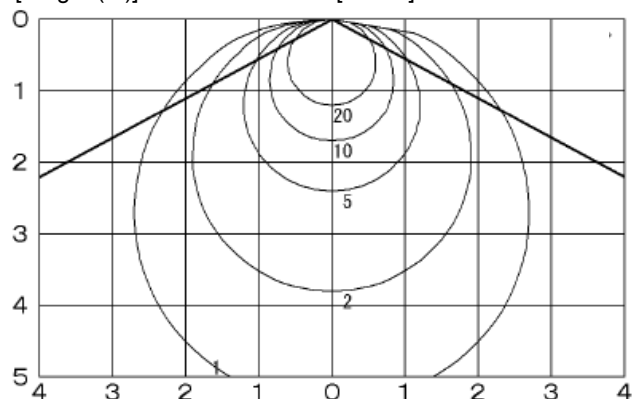
■ Packaging Details

| Packaging Type(Std.Pkg.Q'ty) | Dimensions (L×W×H) | Gross Weight (g) | EAN / ITF CODE |
|------------------------------|--------------------|------------------|----------------|
| Gift Box (1pce) | 70mm×70mm×140mm | 139g | 4974550435178 |
| Outer carton (10pcs) | 414mm×186mm×166mm | 1860g | 14974550435175 |

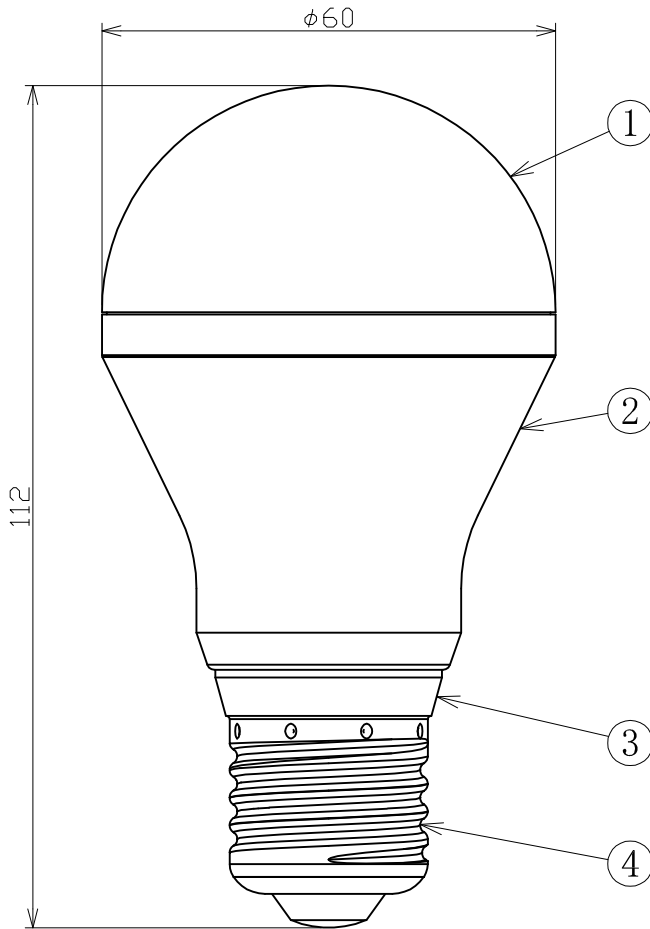
LUMINOUS INTENSITY DISTRIBUTION CURVE (cd / 1000lm)



[Height (m)] [Unit:lx]



Specifications are subject to be changed.



| General Characteristics | | |
|-------------------------|--|--------------------------------|
| 1 | Rated Voltage (V) | 220-240 |
| 2 | Rated Wattage (W) | 6.0 |
| 3 | Frequency (Hz) | 50 / 60 |
| 4 | Rated Input Current (mA) | 39 |
| 5 | Power Factor | 0.65 |
| 6 | Luminous Flux | 325 |
| 7 | Colour Description | Warm White |
| 8 | Colour Temperature (K) | 2700 |
| 9 | Colour Rendering Index (Ra) | 80 |
| 10 | Beam Angle | - |
| 11 | Lamp Finish | Frost |
| 12 | Lamp Efficacy (lm/W) | 54 |
| 13 | Rated Lamp Lifetime (h) | 40,000 |
| 14 | Lumen Maintenance | 70% at the rated lamp lifetime |
| 15 | Number of Switching Cycle | over 20,000 times |
| 16 | Dimming | Dimmable |
| 17 | Overall Length (mm) | 112 |
| 18 | Diameter (mm) | 60 |
| 19 | Net Weight (g) | 89 |
| 20 | Cap | E27/27 |
| 21 | Starting time (s) | <0.5 |
| 22 | LED Min Lumen to claim wattage equivalence (W) | 30 |

| No. | Part | Material |
|-----|--------|----------|
| ① | Globe | PC |
| ② | Body | A1060 |
| ③ | Capper | PBT |
| ④ | Cap | Brassr |

| Safety Information | |
|--|--|
| ⚠ WARNING | |
| <ul style="list-style-type: none"> • Do not cover this product with paper or cloth, or put it close to anything easy to burn, otherwise, fire may occur. • Some dimmers may cause flickering and no dimming at lower control level. • When the dimmer is connected to numerous lamp, it may not be possible to dim the light to the lowest possible level. • When dimming numerous lamps, respective colour or the timing of light out may differ. • When turning on the light from 100% dimming, it may not turn on. • When the voltage at the power supply is distorted, flickering may occur. • When the AC voltage fluctuates at power supply, it may result in no dimming at lower control level or no light. • Turn off the power before attaching a lamp to a lighting device, before detaching a lamp from a lighting device, or before cleaning a lighting device, otherwise, you may have an electric shock. | |
| ⚠ CAUTION | |
| <ul style="list-style-type: none"> • Do not use this product in a way of being exposed to rain or raindrops, nor at a high level of humidity, otherwise, it may be damaged. • Do not drop a lamp, nor have it hit some object, nor put a heavy load on it, nor apply any excessive pressure. • Do not touch a lamp with your hand or skin when it is on or soon after it is turned off because it is hot, otherwise, you may have a burn. • Attach this product to a socket firmly, otherwise, it may drop off, or may overheat or emit smoke because of bad contact. • Use this product in the range of 5°C-40°C (41°F-104°F). • If a lamp does not normally light, e.g., if it flashes sporadically, turn off the power and replace the lamp. • Do not look at LED device directly. • Do not spray a pesticide over this lamp. | |




| | | | |
|------------------|-----------------|----------------------------|-----------------|
| MODEL NO. | | DESCRIPTION | |
| LDAC0627E7EUD | | TOSHIBA LED LAMP E-CORE | |
| APPROVED BY | CHARGED BY | DRAWING NO. | — |
| <i>M. Kamata</i> | <i>K. Ogawa</i> | | |
| 3rd ANGLE | SCALE: — | UNIT: mm | BA2011-00116-01 |

TOSHIBA

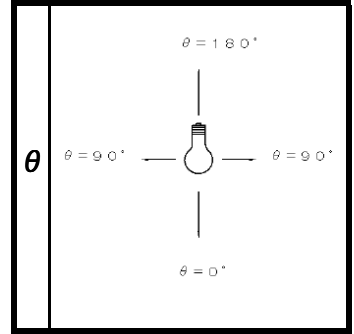
TOSHIBA LIGHTING & TECHNOLOGY CORPORATION

TOSHIBA LIGHTING EQUIPMENT ENGINEERING DATA SHEET

| | |
|-------------|-----------------------|
| NAME | LED Lamp "E-CORE™" |
| MODEL NO. | LDAC0627E7EUD |
| COVER | |
| OPTION NO. | |
| OPTION SPEC | |

| EFFICIENCY | |
|---|--------|
| F  | % |
| F  | % |
| F  | 100 % |
| LUMINAIRE LUMEN OUTPUT | 325 lm |

| SHRmax | |
|----------------------------------|-------|
| A-A (SPACING CRITERIA ACROSS) | 1.3 H |
| B-B (SPACING CRITERIA ALONG) | 1.3 H |
| WATTAGE | |
| | 6.0 W |



REMARKS

THE DATA IS EARLY TYPICAL VALUE.

| LUMINOUS INTENSITY (cd/1000lm) | | | |
|-----------------------------------|-----|-----|-----|
| θ | A-A | B-B | C-C |
| 0° | 89 | | |
| 10° | 88 | | |
| 20° | 84 | | |
| 30° | 78 | | |
| 40° | 69 | | |
| 50° | 58 | | |
| 60° | 46 | | |
| 70° | 33 | | |
| 80° | 23 | | |
| 90° | 14 | | |
| 100° | 0 | | |
| 110° | 0 | | |
| 120° | 0 | | |
| 130° | 0 | | |
| 140° | 0 | | |
| 150° | 0 | | |
| 160° | 0 | | |
| 170° | 0 | | |
| 180° | 0 | | |

| REF-LEC-TANCE (%) | CEILING | 80 | | | | | | 70 | | | | | | 50 | | | | | | 30 | | 20 | | 0 | | |
|-------------------|-----------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|--|
| | WALL | 70 | | 50 | | 30 | | 70 | | 50 | | 30 | | 50 | | 30 | | 30 | | 10 | | 0 | | | | |
| | FLOOR | 30 | 10 | 30 | 10 | 30 | 10 | 30 | 10 | 30 | 10 | 30 | 10 | 30 | 10 | 30 | 10 | 30 | 10 | 30 | 10 | 30 | 10 | 0 | 0 | |
| ROOM INDEX | UTILIZATION FACTOR (× 0.01) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.60 | 17 | 16 | 13 | 12 | 10 | 9 | 17 | 15 | 12 | 12 | 10 | 9 | 12 | 11 | 9 | 9 | 9 | 9 | 7 | 7 | | | | | | |
| 0.80 | 21 | 19 | 16 | 15 | 13 | 12 | 20 | 18 | 15 | 15 | 13 | 12 | 15 | 14 | 12 | 12 | 12 | 12 | 10 | 9 | | | | | | |
| 1.00 | 23 | 21 | 19 | 17 | 16 | 15 | 23 | 20 | 18 | 17 | 15 | 15 | 17 | 16 | 15 | 14 | 14 | 14 | 12 | 12 | | | | | | |
| 1.25 | 26 | 23 | 21 | 19 | 18 | 17 | 25 | 22 | 21 | 19 | 18 | 17 | 20 | 18 | 17 | 16 | 16 | 16 | 14 | 13 | | | | | | |
| 1.50 | 27 | 24 | 23 | 21 | 20 | 19 | 26 | 24 | 23 | 21 | 20 | 18 | 21 | 20 | 19 | 18 | 18 | 18 | 16 | 15 | | | | | | |
| 2.00 | 30 | 26 | 26 | 23 | 23 | 21 | 29 | 25 | 25 | 23 | 23 | 21 | 24 | 22 | 22 | 20 | 21 | 20 | 18 | 18 | | | | | | |
| 2.50 | 32 | 27 | 28 | 25 | 25 | 23 | 30 | 27 | 27 | 24 | 25 | 23 | 26 | 24 | 24 | 22 | 22 | 21 | 20 | 19 | | | | | | |
| 3.00 | 33 | 28 | 30 | 26 | 27 | 24 | 31 | 27 | 29 | 26 | 26 | 24 | 27 | 25 | 25 | 23 | 24 | 23 | 21 | 21 | | | | | | |
| 4.00 | 34 | 29 | 32 | 27 | 30 | 26 | 33 | 28 | 31 | 27 | 29 | 26 | 29 | 26 | 27 | 25 | 25 | 24 | 23 | 22 | | | | | | |
| 5.00 | 35 | 30 | 33 | 28 | 31 | 27 | 34 | 29 | 32 | 28 | 30 | 27 | 30 | 27 | 28 | 26 | 27 | 25 | 24 | 23 | | | | | | |
| 10.00 | 37 | 31 | 36 | 30 | 35 | 30 | 36 | 31 | 35 | 30 | 34 | 29 | 32 | 29 | 31 | 28 | 29 | 28 | 27 | 26 | | | | | | |

