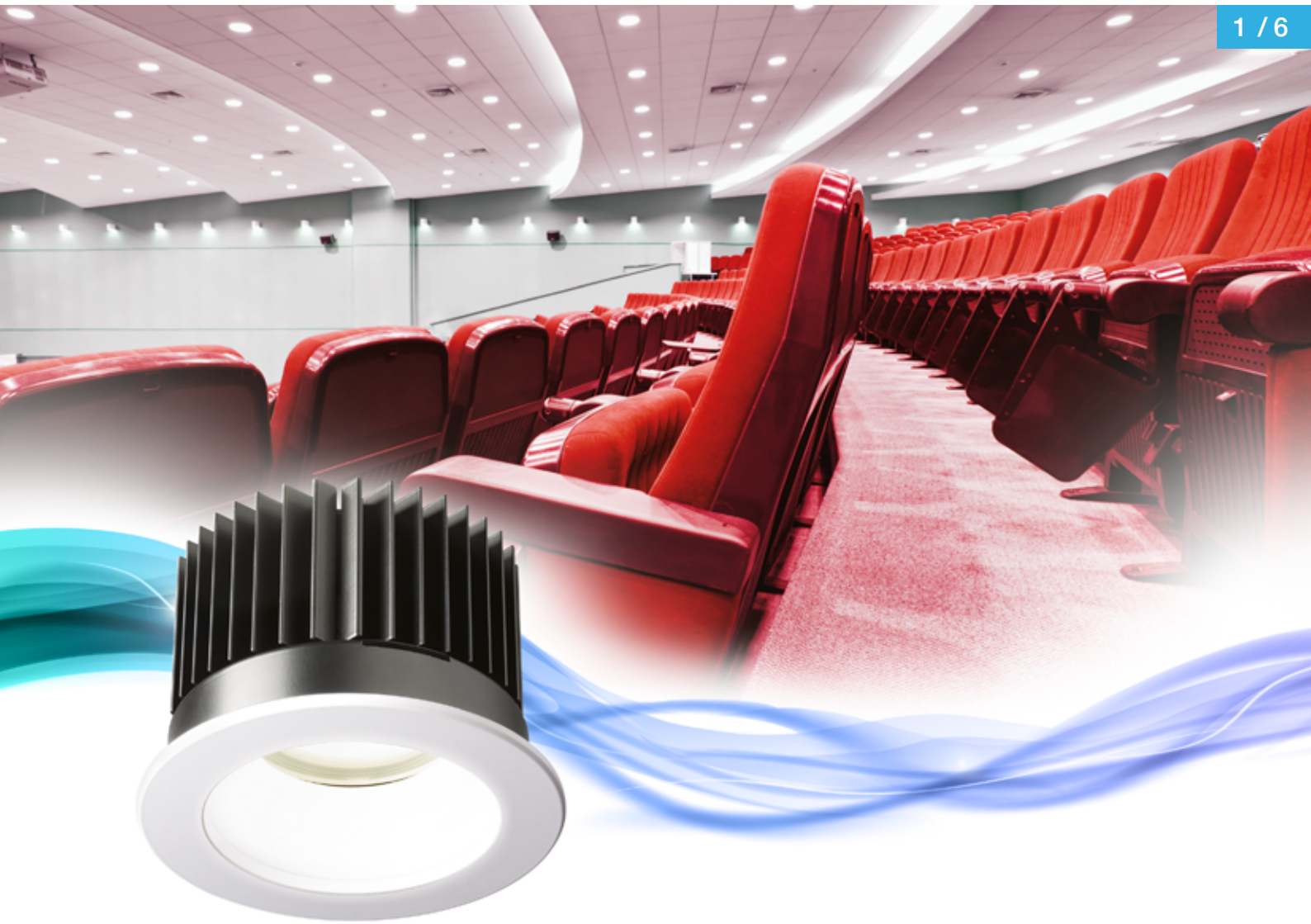


E-CORE LED DOWNLIGHT 1100/1600

Uniform light levels – the suitable job description for this high-performance downlight for the retail sector. With its simple, minimalist shape and flush mounting, it integrates excellently with your design concept. And the replaceable Toshiba Light Engine makes it a sustainable long-term investment, wherever it‘s used.

Application:

- Ideal for the efficient and uniform general illumination in office, shop/ retail and hospitality applications
- High flexibility through different beam angles, reflector surfaces and colors

Product details

- Downlight with Toshiba E-CORE LED LIGHT ENGINE
- Future-proof solution through replaceable light source
- Luminaire efficacy up to 66 lm/W
- Beam angle 36° or 72°
- With white-painted or silver semi-specular reflector surface
- For 140 mm ceiling cut-outs
- Dimmable through phase-control (trailing edge)

Optical parameters

MODEL NAME	E-CORE LED DOWNLIGHT 1100			
Product code	LEDEUD00049S30	LEDEUD00049S40	LEDEUD00062S30	LEDEUD00062S40
Reflector	White	White	Silver	Silver
Colour description	Warm white	Neutral white	Warm white	Neutral white
Colour temperature	**3000 K**	**4000 K**	**3000 K**	**4000 K**
Beam angle	72°	72°	36°	36°
Luminous flux	1,060 lm	1,060 lm	1,060 lm	1,060 lm
System efficacy	53 lm/W	58 lm/W	53 lm/W	58 lm/W
Colour rendering index	Ra >80	Ra >80	Ra >80	Ra >80
UGR	19	19	16	16

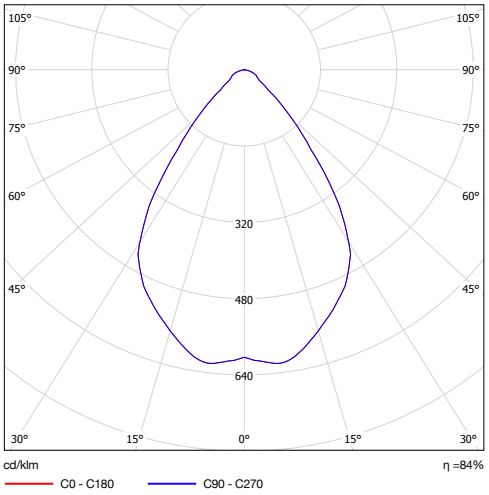
MODEL NAME	E-CORE LED DOWNLIGHT 1600			
Product code	LEDEUD00050S30	LEDEUD00050S40	LEDEUD00064S30	LEDEUD00064S40
Reflector	White	White	Silver	Silver
Colour description	Warm white	Neutral white	Warm white	Neutral white
Colour temperature	**3000 K**	**4000 K**	**3000 K**	**4000 K**
Beam angle	72°	72°	37°	37°
Luminous flux	1,480 lm	1,530 lm	1,480 lm	1,530 lm
System efficacy	61 lm/W	66 lm/W	61 lm/W	66 lm/W
Colour rendering index	Ra >80	Ra >80	Ra >80	Ra >80
UGR	22	22	19	19

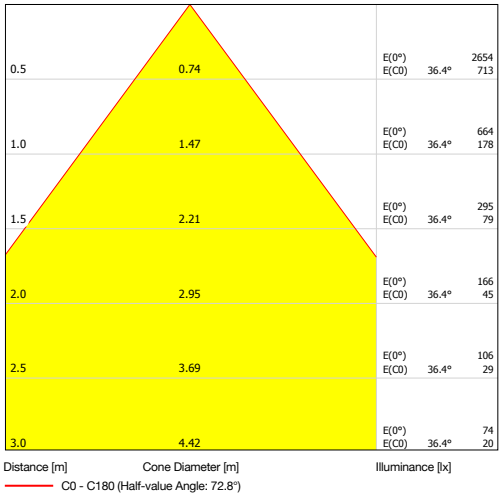
Luminaires and LED LIGHT ENGINES are also available separately for individual lamping (for more information please see logistic data).

Optical parameters

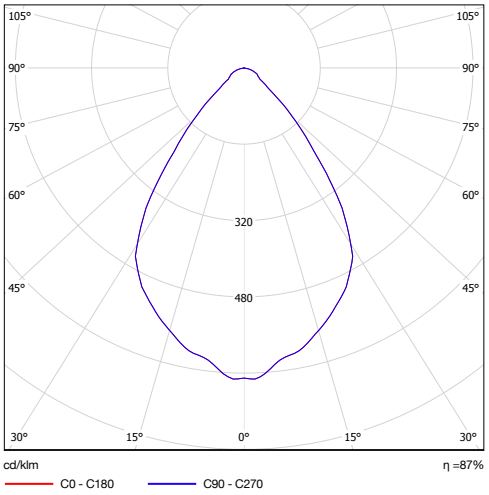
POLAR CANDELA DISTRIBUTION	ILLUMINANCE

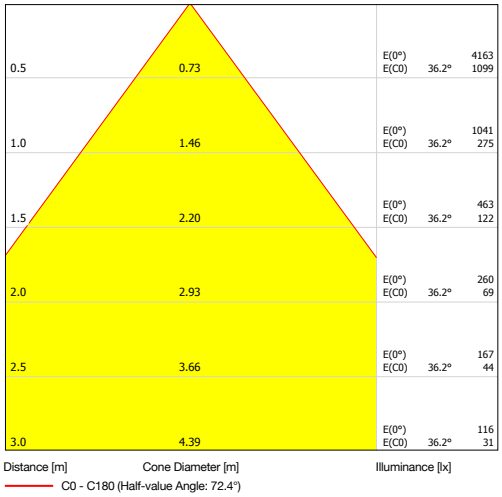
LEDEUD00049S30 / LEDEUD00049S40



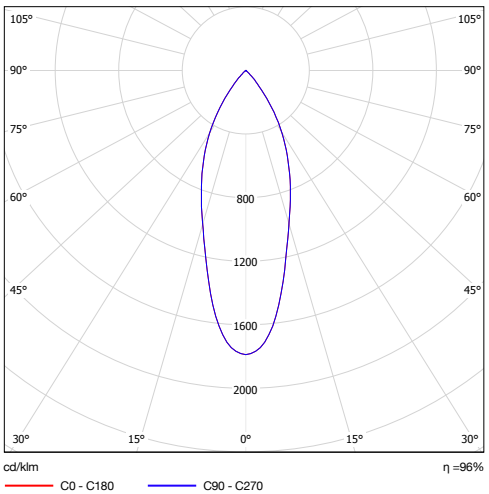


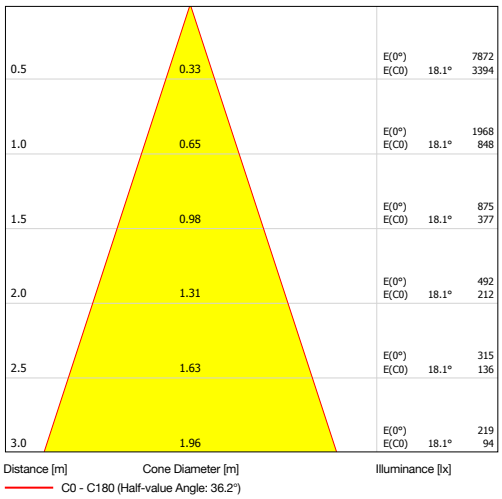
LEDEUD00050S30 / LEDEUD00050S40





LEDEUD00062S30 / LEDEUD00062S40

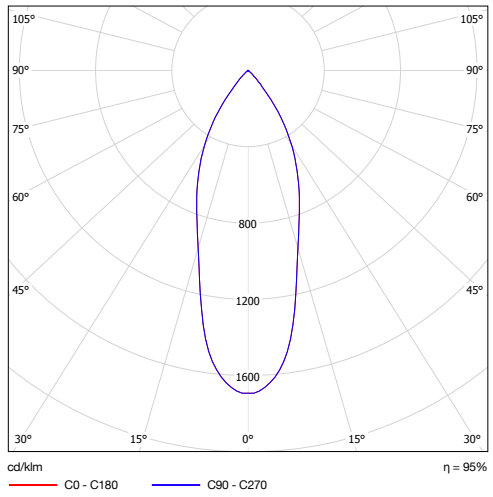


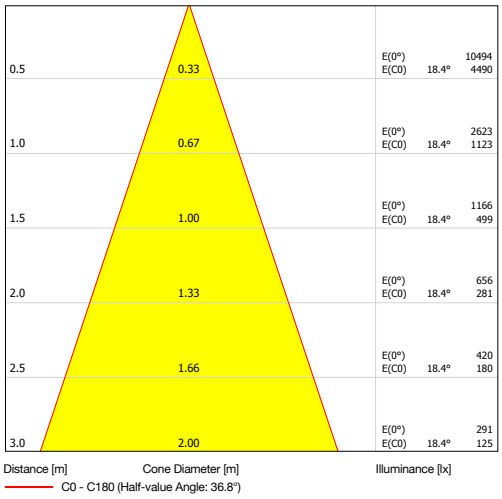


Optical parameters

POLAR CANDELA DISTRIBUTION	ILLUMINANCE

LEDEUD00064S30 / LEDEUD00064S40





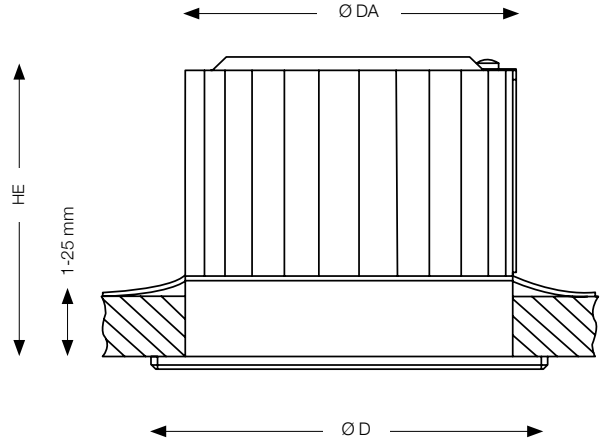
Electrical parameters

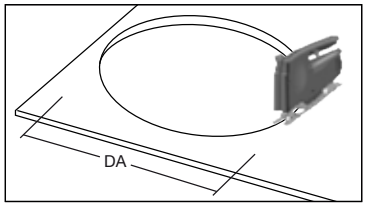
MODEL NAME	E-CORE LED DOWNLIGHT 1100	E-CORE LED DOWNLIGHT 1600
Rated wattage	18/20 W	23/24 W
System efficacy	up to 58 lm/W	up to 66 lm/W
Rated voltage	220-240 V	220-240 V
Frequency	50 / 60 Hz	50 / 60 Hz
Power factor	0.9	0.9
Rated lifetime	40,000 h	40,000 h
Lumen maintenance	70% at the rated lifetime	70% at the rated lifetime
Connection	3 x (0.75 - 2.5) mm^2	3 x (0.75 - 2.5) mm^2
Cap	GH76p-2	GH76p-2
Dimmable	Yes, phase control (trailing edge)	Yes, phase control (trailing edge)
Dimming level	10-100%	10-100%

Mechanical parameters

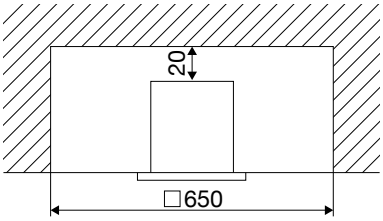
MODEL NAME	E-CORE LED DOWNLIGHT 1100/1600
Material	Aluminium body / ADC frame
Colour	White painted frame
Type of installation	Ceiling recessed
Electrical class	Class I
IP rating	IP20
LED module	Replaceable
Glow wire temperature	850 °C
Approval mark	CE
Operation temperature	+5°C - +35°C
Dimensions (D x H)	110 x 153 mm
Ceiling cut-out	140 mm
Recession depth	130 mm
Ceiling thickness	1 - 25 mm
Net weight	1,625 g

Drawings





D	H	DA	HE
153	4	140	110



Logistic data

PRODUCT CODE	EAN CODE	DESCRIPTION	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LEDEUD00049S30	4974550437400	E-CORE LED DOWNLIGHT 1100 20 W / 3000 K / 72° / WHITE	180 x 145 x 180	1,800
LEDEUD00049S40	4974550437417	E-CORE LED DOWNLIGHT 1100 18 W / 4000 K / 72° / WHITE	180 x 145 x 180	1,800
LEDEUD00062S30	4974550442381	E-CORE LED DOWNLIGHT 1100 20 W / 3000 K / 36° / SILVER	180 x 145 x 180	1,800
LEDEUD00062S40	4974550442374	E-CORE LED DOWNLIGHT 1100 18 W / 4000 K / 36° / SILVER	180 x 145 x 180	1,800
LEDEUD00050S30	4974550437424	E-CORE LED DOWNLIGHT 1600 24 W / 3000 K / 72° / WHITE	180 x 145 x 180	1,800
LEDEUD00050S40	4974550437431	E-CORE LED DOWNLIGHT 1600 23 W / 4000 K / 72° / WHITE	180 x 145 x 180	1,800
LEDEUD00064S30	4974550442404	E-CORE LED DOWNLIGHT 1600 24 W / 3000 K / 37° / SILVER	180 x 145 x 180	1,800
LEDEUD00064S40	4974550442398	E-CORE LED DOWNLIGHT 1600 23 W / 4000 K / 37° / SILVER	180 x 145 x 180	1,800

The E-CORE LED DOWNLIGHT 1100/1600 can be customized as follows:
- Outer frame finishing: white, silver or black
- Reflector surface: white-painted or silver semi-specular
- UGR 16 / 19 / 22 or 25
- Order LED LIGHT ENGINE separately

Fixture w/o LED LIGHT ENGINE

PRODUCT CODE	EAN CODE	DESCRIPTION	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LEDEUD00006C	4974550428651	White frame / Silver semi-specular reflector	180 x 145 x 180	1,600
LEDEUD00007C	4974550428675	White frame / White-painted reflector	180 x 145 x 180	1,600
LEDEUD00008C	4974550428699	Silver frame / Silver semi-specular reflector	180 x 145 x 180	1,600
LEDEUD00009C	4974550428705	Silver frame / White-painted reflector	180 x 145 x 180	1,600
LEDEUD00010C	4974550428712	Black frame / Silver semi-specular reflector	180 x 145 x 180	1,600
LEDEUD00011C	4974550428736	Black frame / White-painted reflector	180 x 145 x 180	1,600

LED LIGHT ENGINE

PRODUCT CODE	EAN CODE	DESCRIPTION	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LEV112320M827TE	4974550425636	LED LIGHT ENGINE / 1,050 lm / 2700 K	102 x 102 x 51	155
LEV112320W827TE	4974550425629	LED LIGHT ENGINE / 1,050 lm / 2700 K	102 x 102 x 51	155
LEV112320M830TE	4974550425650	LED LIGHT ENGINE / 1,100 lm / 3000 K	102 x 102 x 51	155
LEV112320W830TE	4974550425643	LED LIGHT ENGINE / 1,100 lm / 3000 K	102 x 102 x 51	155
LEV112318M840TE	4974550425674	LED LIGHT ENGINE / 1,100 lm / 4000 K	102 x 102 x 51	155
LEV112318W840TE	4974550425667	LED LIGHT ENGINE / 1,100 lm / 4000 K	102 x 102 x 51	155
LEV162324M827TE	4974550436632	LED LIGHT ENGINE / 1,400 lm / 2700 K	102 x 102 x 51	155
LEV162324W827TE	4974550436625	LED LIGHT ENGINE / 1,400 lm / 2700 K	102 x 102 x 51	155
LEV162324M830TE	4974550436618	LED LIGHT ENGINE / 1,400 lm / 3000 K	102 x 102 x 51	155
LEV162324W830TE	4974550436601	LED LIGHT ENGINE / 1,400 lm / 3000 K	102 x 102 x 51	155
LEV162323M840TE	4974550425612	LED LIGHT ENGINE / 1,600 lm / 4000 K	102 x 102 x 51	155
LEV162323W840TE	4974550425605	LED LIGHT ENGINE / 1,600 lm / 4000 K	102 x 102 x 51	155

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 dimmers
- Ambient temperature range: +5 °C to +35 °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

09/2013

Product specifications and configurations, and availability of products are subject to change. Variations in product design and product features are subject to change. Colours may vary from illustration. Errors and omissions excepted.
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