



## PACK omni 2

The classic downlight, reinvented. With its unobtrusive white housing, wide beam angles and powerful luminous flux, the PACK omni 2 is a suitable replacement for compact fluorescent lamps up to 2 x 26 W and a good allrounder in all secondary areas of buildings. What's new: the redesigned PACK omni 2 comes in two sizes and incorporates the next generation of the Toshiba LED LIGHT ENGINE – a light source that can be replaced in an instant and now offers 2,200 lm and DALI controllable versions (on demand).

### Application:

- ⊕ Ideal for the efficient general illumination in all secondary areas of buildings
- ⊕ Flexibility through replaceable light source, available in different lumen packages and beam angles
- ⊕ Easy to replace conventional downlights with common ceiling cut-outs of 150 mm and 200 mm

## Product details

- + Downlight with new Toshiba E-CORE LED LIGHT ENGINE 2
- + Future-proof solution through replaceable light source
- + Luminaire efficacy up to 91 lm/W
- + Replacement of up to 2 x 26W compact fluorescent lamps
- + For 150 / 200 mm ceiling cut-outs
- + Standard types: switchable only
- + Optional: DALI versions (fixtures and LED Light Engines to be ordered separately)
- + DALI versions are DC capable (15% pre-set dimming level)



## Optical parameters

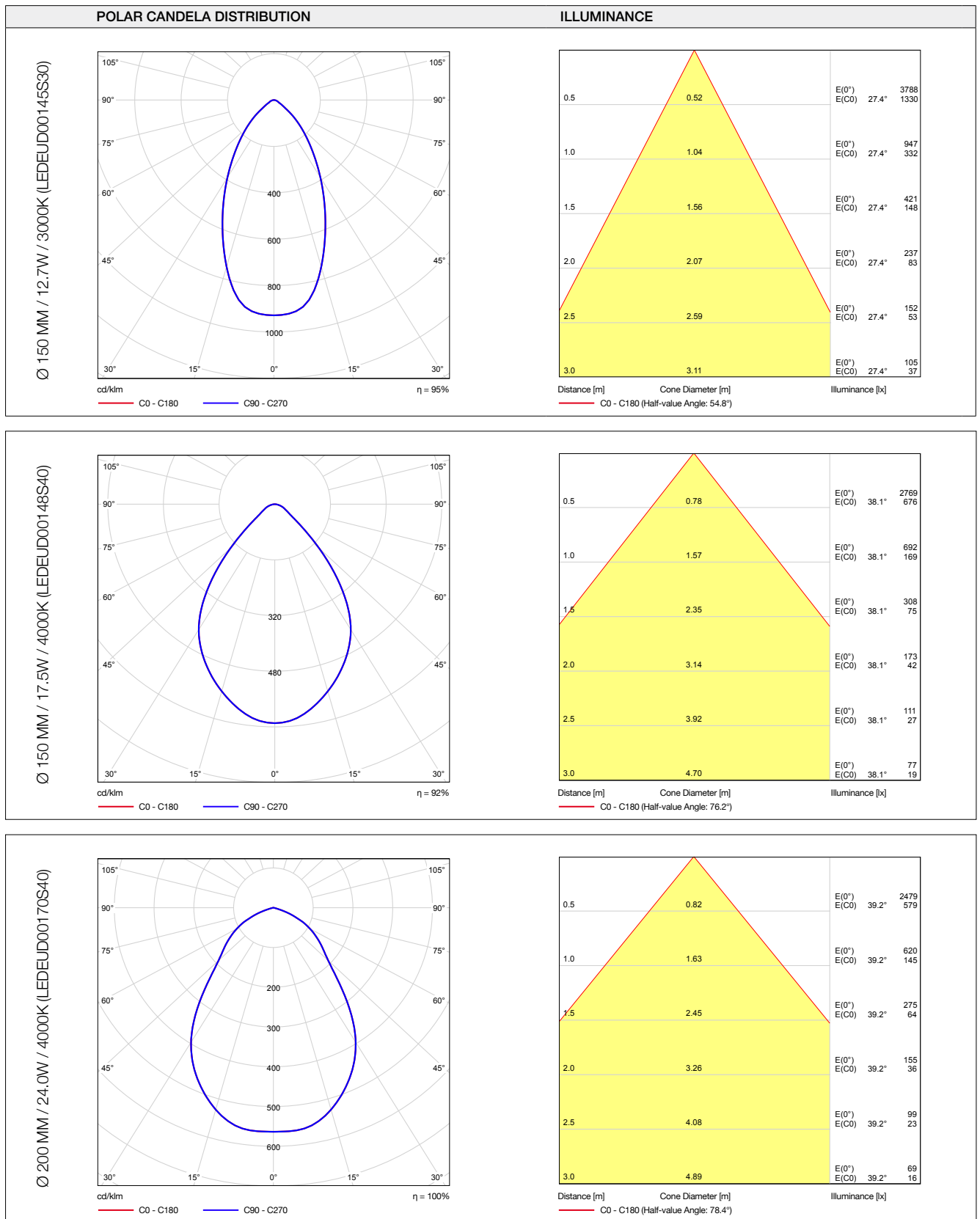
MODEL NAME	PACK omni 2 / 12.7 W			
Product code	LEDEUD00145S30	LEDEUD00146S40	LEDEUD00165S30	LEDEUD00166S40
Ceiling cut-out	150 mm	150 mm	200 mm	200 mm
Beam angle	55°	76°	53°	78°
Colour description	Warm white	Neutral white	Warm white	Neutral white
Colour temperature	<b>3000 K</b>	<b>4000 K</b>	<b>3000 K</b>	<b>4000 K</b>
Luminous flux (nominal)	970 lm	1,010 lm	1,020 lm	1,100 lm
System efficacy	76 lm/W	79 lm/W	80 lm/W	86 lm/W
Colour rendering index	Ra 80	Ra 80	Ra 80	Ra 80
UGR	≤ 22	≤ 22	≤ 22	≤ 22

MODEL NAME	PACK omni 2 / 17.5 W			
Product code	LEDEUD00147S30	LEDEUD00148S40	LEDEUD00167S30	LEDEUD00168S40
Finishing (trim colour)	150 mm	150 mm	200 mm	200 mm
Beam angle	55°	76°	53°	78°
Colour description	Warm white	Neutral white	Warm white	Neutral white
Colour temperature	<b>3000 K</b>	<b>4000 K</b>	<b>3000 K</b>	<b>4000 K</b>
Luminous flux (nominal)	1,410 lm	1,480 lm	1,480 lm	1,600 lm
System efficacy	80 lm/W	84 lm/W	84 lm/W	91 lm/W
Colour rendering index	Ra 80	Ra 80	Ra 80	Ra 80
UGR	≤ 22	≤ 22	≤ 22	≤ 22

MODEL NAME	PACK omni 2 / 24 W			
Product code	LEDEUD00149S30	LEDEUD00150S40	LEDEUD00169S30	LEDEUD00170S40
Finishing (trim colour)	150 mm	150 mm	200 mm	200 mm
Beam angle	55°	76°	53°	78°
Colour description	Warm white	Neutral white	Warm white	Neutral white
Colour temperature	<b>3000 K</b>	<b>4000 K</b>	<b>3000 K</b>	<b>4000 K</b>
Luminous flux (nominal)	1,940 lm	2,030 lm	2,040 lm	2,190 lm
System efficacy	80 lm/W	84 lm/W	85 lm/W	91 lm/W
Colour rendering index	Ra 80	Ra 80	Ra 80	Ra 80
UGR	≤ 22	≤ 22	≤ 22	≤ 22

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

## Optical parameters



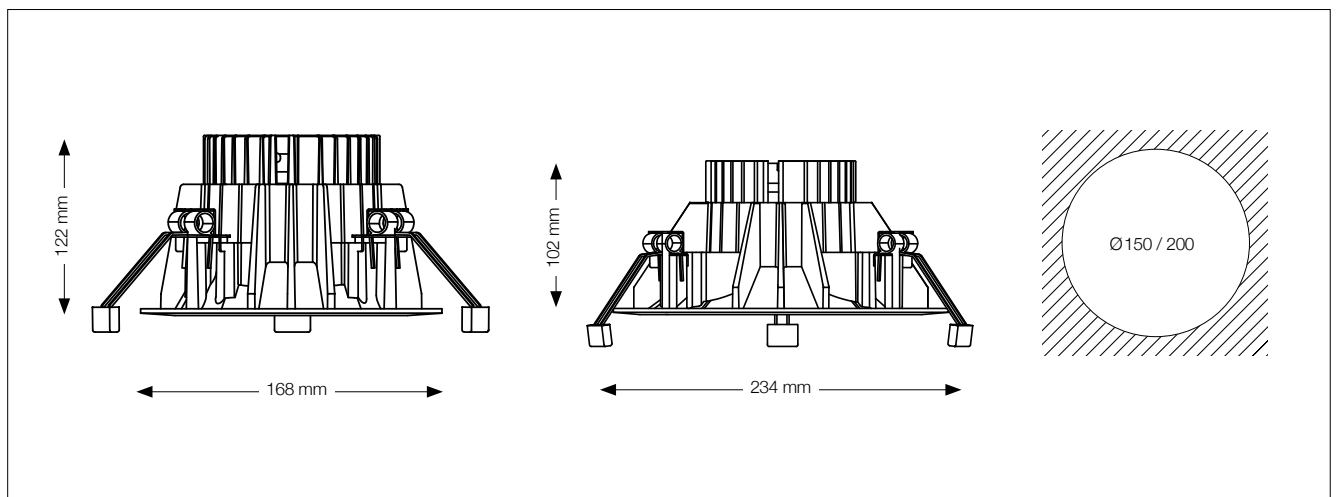
## Electrical parameters

MODEL NAME	PACK omni 2
Rated wattage	12.7 / 17.5 / 24 W
System efficacy	up to 91 lm/W
Rated voltage	220-240 V
Frequency	50/60 Hz
Power factor	≥ 0.9
Rated lifetime	40,000 h
Lumen maintenance	70% at the rated lifetime
Connection	3 x (0.75 – 2.5) mm <sup>2</sup>
Cap	GH76p-2
Dimmable	No, DALI controllable types optional (please see logistic data)

## Mechanical parameters

MODEL NAME	PACK omni 2
Material	Aluminium
Colour	White
Type of installation	Ceiling recessed
Electrical class	I
IP rating	IP20
IK rating	IK 03
LED module	Replaceable
Glow wire temperature	850°C
Approval mark	CE
Operation temperature	+5°C - +35°C
Dimensions (D x H)	169 x 120 mm / 234 x 100 mm
Ceiling cut-out	Ø 150 / 200 mm
Recession depth	Ø 150: 130 mm Ø 200: 110 mm
Ceiling thickness	1 - 25 mm
Net weight	Ø 150: 1,020 g Ø 200: 1,200 g

## Drawings



## Logistic data

PRODUCT CODE	EAN CODE	DESCRIPTION	SIZE OF PACKAGING (LxHxW)	GROSS WEIGHT
LEDEUD00145S30	4974550478489	PACK omni 2 / 150 mm / 12.7 W / 3000 K / 55°	230 x 230 x 192 mm	1,388 g
LEDEUD00146S40	4974550478496	PACK omni 2 / 150 mm / 12.7 W / 4000 K / 76°	230 x 230 x 192 mm	1,388 g
LEDEUD00147S30	4974550478502	PACK omni 2 / 150 mm / 17.5 W / 3000 K / 55°	230 x 230 x 192 mm	1,388 g
LEDEUD00148S40	4974550478519	PACK omni 2 / 150 mm / 17.5 W / 4000 K / 76°	230 x 230 x 192 mm	1,388 g
LEDEUD00149S30	4974550478526	PACK omni 2 / 150 mm / 24.0 W / 3000 K / 55°	230 x 230 x 192 mm	1,388 g
LEDEUD00150S40	4974550478533	PACK omni 2 / 150 mm / 24.0 W / 4000 K / 76°	230 x 230 x 192 mm	1,388 g
LEDEUD00165S30	4974550478588	PACK omni 2 / 200 mm / 12.7 W / 3000 K / 53°	290 x 290 x 170 mm	1,714 g
LEDEUD00166S40	4974550478595	PACK omni 2 / 200 mm / 12.7 W / 4000 K / 78°	290 x 290 x 170 mm	1,714 g
LEDEUD00167S30	4974550478601	PACK omni 2 / 200 mm / 17.5 W / 3000 K / 53°	290 x 290 x 170 mm	1,714 g
LEDEUD00168S40	4974550478618	PACK omni 2 / 200 mm / 17.5 W / 4000 K / 78°	290 x 290 x 170 mm	1,714 g
LEDEUD00169S30	4974550478625	PACK omni 2 / 200 mm / 24.0 W / 3000 K / 53°	290 x 290 x 170 mm	1,714 g
LEDEUD00170S40	4974550478632	PACK omni 2 / 200 mm / 24.0 W / 4000 K / 78°	290 x 290 x 170 mm	1,714 g

### Fixtures w/o LED lamp

PRODUCT CODE	EAN CODE	DESCRIPTION	SIZE OF PACKAGING (LxHxW)	GROSS WEIGHT
LEDEUD00141C	4974550478540	Non-dim fixture only / White / 150 mm	230 x 230 x 192 mm	1,148 g
LEDEUD00161C	4974550478564	Non-dim fixture only / White / 200 mm	290 x 290 x 170 mm	1,474 g
LEDEUD00142C	4974550478557	DALI fixture only / White / 150 mm	230 x 230 x 192 mm	1,168 g
LEDEUD00162C	4974550478571	DALI fixture only / White / 200 mm	290 x 290 x 170 mm	1,494 g

### LED LIGHT ENGINE (non dimmable)

PRODUCT CODE	EAN CODE	DESCRIPTION	SIZE OF PACKAGING (LxHxW)	GROSS WEIGHT
LEV112313M830E	4974550480666	LED LIGHT ENGINE 2 / 3000 K / 12.7 W / 50°	103 x 52 x 105 mm	240 g
LEV112313W830E	4974550480673	LED LIGHT ENGINE 2 / 3000 K / 12.7 W / 80°	103 x 52 x 105 mm	240 g
LEV162318M830E	4974550480680	LED LIGHT ENGINE 2 / 3000 K / 17.5 W / 50°	103 x 52 x 105 mm	240 g
LEV162318W830E	4974550480697	LED LIGHT ENGINE 2 / 3000 K / 17.5 W / 80°	103 x 52 x 105 mm	240 g
LEV222324M830E	4974550480703	LED LIGHT ENGINE 2 / 3000 K / 24.0 W / 50°	103 x 52 x 105 mm	240 g
LEV222324W830E	4974550480710	LED LIGHT ENGINE 2 / 3000 K / 24.0 W / 80°	103 x 52 x 105 mm	240 g
LEV112313M840E	4974550480727	LED LIGHT ENGINE 2 / 4000 K / 12.7 W / 50°	103 x 52 x 105 mm	240 g
LEV112313W840E	4974550480734	LED LIGHT ENGINE 2 / 4000 K / 12.7 W / 80°	103 x 52 x 105 mm	240 g
LEV162318M840E	4974550480741	LED LIGHT ENGINE 2 / 4000 K / 17.5 W / 50°	103 x 52 x 105 mm	240 g
LEV162318W840E	4974550480758	LED LIGHT ENGINE 2 / 4000 K / 17.5 W / 80°	103 x 52 x 105 mm	240 g
LEV222324M840E	4974550480765	LED LIGHT ENGINE 2 / 4000 K / 24.0 W / 50°	103 x 52 x 105 mm	240 g
LEV222324W840E	4974550480772	LED LIGHT ENGINE 2 / 4000 K / 24.0 W / 80°	103 x 52 x 105 mm	240 g

### LED LIGHT ENGINE (DALI)

PRODUCT CODE	EAN CODE	DESCRIPTION	SIZE OF PACKAGING (LxHxW)	GROSS WEIGHT
LEV112313M830ME	4974550480789	LED LIGHT ENGINE DALI / 3000 K / 12.9 W / 50°	103 x 52 x 105 mm	230 g
LEV112313W830ME	4974550480796	LED LIGHT ENGINE DALI / 3000 K / 12.9 W / 80°	103 x 52 x 105 mm	230 g
LEV162318M830ME	4974550480802	LED LIGHT ENGINE DALI / 3000 K / 17.8 W / 50°	103 x 52 x 105 mm	230 g
LEV162318W830ME	4974550480819	LED LIGHT ENGINE DALI / 3000 K / 17.8 W / 80°	103 x 52 x 105 mm	230 g
LEV222324M830ME	4974550480826	LED LIGHT ENGINE DALI / 3000 K / 24.2 W / 50°	103 x 52 x 105 mm	230 g
LEV222324W830ME	4974550480833	LED LIGHT ENGINE DALI / 3000 K / 24.2 W / 80°	103 x 52 x 105 mm	230 g
LEV112313M840ME	4974550480840	LED LIGHT ENGINE DALI / 4000 K / 12.9 W / 50°	103 x 52 x 105 mm	230 g
LEV112313W840ME	4974550480857	LED LIGHT ENGINE DALI / 4000 K / 12.9 W / 80°	103 x 52 x 105 mm	230 g
LEV162318M840ME	4974550480864	LED LIGHT ENGINE DALI / 4000 K / 17.8 W / 50°	103 x 52 x 105 mm	230 g
LEV162318W840ME	4974550480871	LED LIGHT ENGINE DALI / 4000 K / 17.8 W / 80°	103 x 52 x 105 mm	230 g
LEV222324M840ME	4974550480888	LED LIGHT ENGINE DALI / 4000 K / 24.2 W / 50°	103 x 52 x 105 mm	230 g
LEV222324W840ME	4974550480895	LED LIGHT ENGINE DALI / 4000 K / 24.2 W / 80°	103 x 52 x 105 mm	230 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 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](http://www.toshiba.eu/lighting)