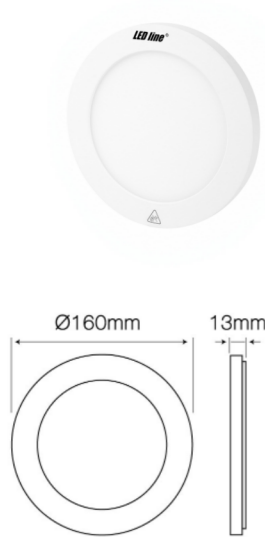# LED line®

Product code: 248801    EAN: 5901583248801

# LED line® Panel Easy Fix 12W 4000K 1060lm round

## Product description

Mounting clips can be moved along the mounting bracket allowing the product to fit into most existing mounting holes. Manufacturer issues a 3-year warranty for this product. Possible installation methods: recessed and surface. The installation method can be adjusted to the individual's needs. FLICKER FREE™ system guarantees no harmful flickering effect and ensures safety for users' eyesight. Yellow free technology means that the housing of this product is made of high quality material which is resistant to yellowing degeneration caused by UV radiation, thanks to which the product maintains its easthetic appearance for many years. Reliable photometric files are available based on photometric tests performed at the LED line® Light Research and Measurement Centre.

Ø160mm    13mm

| | |
|---|---|
| ADJUSTABLE BRACKET | Mounting clips can be moved along the mounting bracket allowing the product to fit into most existing mounting holes. |
| flicker free | FLICKER FREE™ system guarantees no harmful flickering effect and ensures safety for users' eyesight. |
| | Possible installation methods: recessed and surface. The installation method can be adjusted to the individual's needs. |
| A↑G E | |

| | |
|---|---|
| YELLOW FREE™ | Yellow free technology means that the housing of this product is made of high quality material which is resistant to yellowing degeneration caused by UV radiation, thanks to which the product maintains its easthetic appearance for many years. |
| *.IES | Reliable photometric files are available based on photometric tests performed at the LED line® Light Research and Measurement Centre. |
| 3-year warranty | Manufacturer issues a 3-year warranty for this product. |

| | | | |
|---|---|---|---|
| voltage 220-260 AC | Voltage range and voltage type | 120° | Beam angle |
| IP 20 | IP protection rating | GLASS LGP | LGP |
| polystyrene | Material (cover) | Polyamid | Material (housing) |
| SMD2835 | LED type | 56 | LED quantity |
| 30000 h L70B50 | Lifespan | PF 0,7 | Power Factor |
| ON OFF 50000 | Number of on/off cycles | Ø 160 mm | Lamp's diameter |
| II | IEC protection class | MAX -5/+40 | Ambient temperature suitable for operation |
| Ø 60-135mm | Mounting hole diameter | | |

| Name of the parameter | Value |
|---|---|
| Correlated colour temperature | 4000 K |
| Colour of the light | White |
| Luminous efficacy | 88 lm/W |
| Colour rendering index Ra | 80 |
| Energy class | A++ |
| Colour | white |
| Lamp's warm-up time to 60% | 1 |
| The lumen maintenance factor | 96 |
| Product weight with packaging (g) | >0,7 g |
| Full box quantity | 40 pc |
| Master carton weight (kg) | 15,2 |
| Supply voltage range and voltage type | 220-260 AC |
| Beam angle | 120 ° |
| IP protection rating | 20 |
| LGP | GLASS |
| Material (cover) | polystyrene |
| Material (housing) | Polyamid |
| LED type | SMD2835 |
| LED quantity | 56 |
| Lifespan | 30000 |
| Power Factor | 0,7 |
| Number of on/off cycles | 50000 |
| Lamp's diameter | 160 |
| Height | 13 mm |
| IEC protection class | II |
| Ambient temperature suitable for operation | -5/+40 °C |
| Frequency of the supply voltage | 50/60Hz |
| For indoor use | YES |
| Warranty (years) | 3 |
| Flicker Free | YES |
| Luminous flux | 1060 lm |
| Wattage | 12 W |
| EPREL ID | 632203 |
| Date of first placement on the market | 2019-03-01 |
| Angle for useful luminous flux (EPREL) | Sphere 360 degrees |
| Is the product equipped with an integrated light source? (EPREL) | Yes |
| Total luminous flux (EPREL) | 1380 |
| Is this product a light source? (EPREL) | No |
| Beam angle in degrees (EPREL) | 120 |
| On-mode power Pon (EPREL) | 12 |
| Lifetime L70B50 | 30000 |
| Connected light source (EPREL) | No |
| Useful luminous flux Φuse (EPREL) | 1380 |

| Name of the parameter | Value |
|---|---|
| Non-directional or directional light source (EPREL) | NDLS |
| Mains or non- mains light source (EPREL) | MLS |
| Colour-tuneable light source (EPREL) | No |
| Chromaticity coordinates x i y (EPREL) | 0.381 0.377 |
| Dimmable function | No |
| R9 colour rendering index value (EPREL) | 9 |
| Survival factor | 0.9 |
| Colour consistency in McAdam ellipses | ≤6 |
| Flicker metric PstLM | 1 |
| Stroboscopic effect metric SVM | 0.4 |
| Form of the product (EPREL) | Source Out |
| Energy efficiency class 2019/2015 | E |
| Colour consistency in McAdam ellipses | ≤6 |
| Displacement factor Df | 0.7 |
| Mounting hole diameter | 60-135 mm |

## Pre-packaging
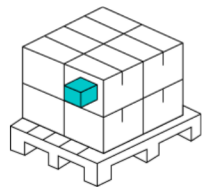
| | |
|---|---|
| Width [mm] | 170 |
| Height [mm] | 180 |
| Length [mm] | 40 |
| Weight [kg] | 0,25 |

## Cumulative packaging
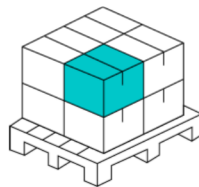
| | |
|---|---|
| Number of pieces | 40 |
| Width [mm] | 380 |
| Height [mm] | 430 |
| Length [mm] | 360 |
| Weight [kg] | 17,6 |
| Volume [m3] | 0,058824 |

## Europallet
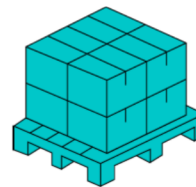
| | |
|---|---|
| Number of pieces | 720 |
| Bulk quantity | 18 |
| Weight [kg] | 316,8 |
| Weight [kg] | 316,8 |
| Pallet height [mm] | 1434 |
| Quantity in 1 layer | 6 |
| Number of layers | 3 |