DATA SHEET

VARNALUX

LED SLIM DOWNLIGHT SQUARE 12W

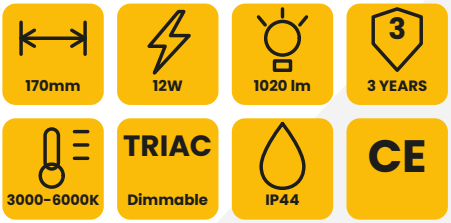
SLIM SQUARE PANEL | RECESSED | TRIAC DIMMABLE | IP44



APPLICATION

- Hotels
- Factories and offices
- Commercial purposes
- Residential and institution buildings
- Schools, colleges and universities
- Hospitals

AVAILABLE MODELS	
Color Temp	REF No
3000K	100365
4000K	100366
6000K	100367







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ELECTRICAL DATA	
Wattage (Consumption)	12W
Voltage	AC 220-240V
Frequency	50/60 Hz
Operating voltage / current	DC 36V / 300mA
Power Factor	>= 0.5
THD	< 20%
Dimming	Triac dimmable
Electrical class	Class III

PHOTOMETRICAL DATA	
Temperature (Kelvin)	3000K, 4000K or 6000K
Light color	Warm, neutral or cool white
Luminous flux	1020 lm (±5%)
Luminous efficiency	85 lm/W (±5%)
Beam angle	120°
Color Rendering Index (CRI)	> 80
LED quantity	60 pcs (2835 SMD)
Operating Temperature range	-20 °C to +50 °C

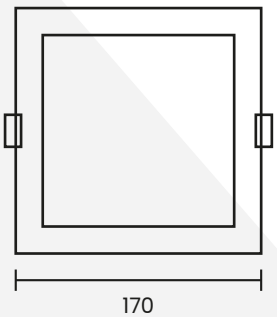
CAPABILITIES	
Dimmable	Yes, Triac dimmable
Driver	Varnalux, flicker free
Mounting	Recessed, spring clip fixing

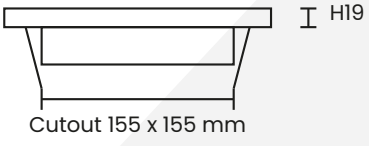
LIFESPAN & WARRANTY	
Lifespan	> 49.999 hrs
Warranty	3 years

DIMENSIONS & PACKAGING	
Dimensions	170 x 170 x 19 mm
Cutout size	155 x 155 mm
Net weight	0.225 kg
Inner box	1 piece
Outer box	20 pieces
Outer carton	370x300x240 mm
Carton gross weight	5.5 kg

ADDITIONAL INFORMATION	
LED Chip	Sanan SMD2835
IP Rating	IP44
Housing	Die-cast aluminium + PS
Certificates	CE & ROHS

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Schematic drawing, not to scale. Dimensions in mm.

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USER MANUAL | HOW TO USE

STEP 1 **Turn off the power**

Turn off the power first to make sure the exposed power cord in the ceiling is not energized. Installation must be done by a professional electrician only.

STEP 2 **Make the ceiling hole**

Make a hole in the ceiling according to the cutout size of the lamp (155 x 155 mm), as shown in picture A of the installation drawing.

STEP 3 **Fit the springs**

Flip the springs apart and snap them into the slot holes on both sides of the light fixture, as shown in figure B-1.

STEP 4 **Connect the wires**

Connect the reserved input wire (B-2) of the lamp to the reserved power wire (L, N) on the ceiling: Brown = L, Blue = N.

STEP 5 **Check the wiring**

Double check whether the wiring is correct before embedding the lamp in the ceiling.

STEP 6 **Mount the lamp**

Turn the springs upwards by 90° (figure C-1) and push the lamp upward into the mounting hole; the springs lock firmly (figure C-2).

STEP 7 **Turn on the power**

Turn on the power and the light starts to work.

STEP 8 **Maintenance**

Maintenance and repair must be done by trained professionals only. In case of damage to the power cable or the housing, stop using the luminaire.

PACKING INFO

In the box	1 x LED slim downlight with driver
Inner box	1 piece
Outer carton	20 pieces (370x300x240 mm), gross weight of carton: 5.5 kg

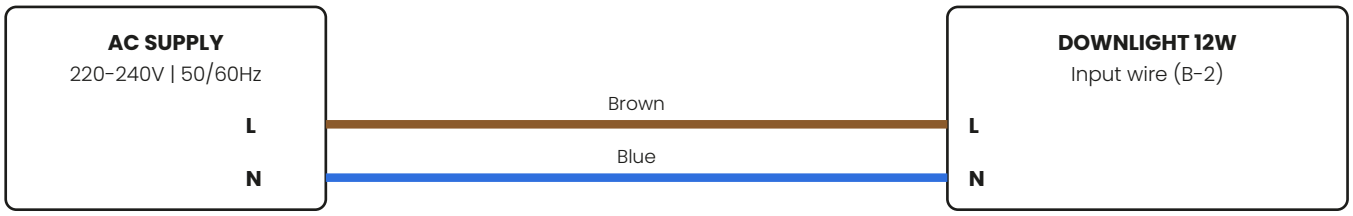
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WIRING DIAGRAM



Dimmable version: use with a Triac dimmer.

SAFETY NOTICE:

- Installation must be done by a professional electrician only; non-professionals must not install, disassemble or connect wires (high voltage).
- Before installation disconnect the power supply and never work with the power on.
- If there is any damage on the power line or the shell, the product must not be used.
- Use the light out of its package and check it for transport damage before installation.
- Never cover the luminaire (not by thermal insulation materials or other objects) and keep it away from open flames and external heat sources.
- Do not use the product in an environment beyond its operating temperature range: this will damage the lamp.
- Avoid looking directly into the LED beam, especially for extended periods. Do not shine the light in anyone's eyes.
- Keep packaging material away from children and pets (risk of suffocation, small parts). Never leave children unattended near the lights.
- Maintenance by trained professionals only. Unauthorised disassembly may void the after-sales service.
- After its service life the product needs an inspection or special treatment for disposal.