# DATA SHEET

VARNALUX

## LED SURFACE MOUNTED DOWNLIGHT ROUND 12W

Ø170 x H32 mm | 1,020 lm | 3000-6000K | IP41 | CLASS III



### APPLICATION

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

| AVAILABLE MODELS | |
|---|---|
| Color Temp | REF No |
| 3000K | 200152 |
| 4000K | 200153 |
| 6000K | 200154 |








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| GENERAL | |
|---|---|
| **Size** | Ø170 x H32 mm |
| **Mounting** | Surface mounting |

| ELECTRICAL DATA | |
|---|---|
| **Power (consumption)** | 12W |
| **Driver** | Varnalux Driver |
| **Dimmable** | No |
| **Input voltage** | AC 200-240 V |
| **Frequency** | 50/60 Hz |
| **Flicker** | Flicker-free |
| **Power factor** | >= 0.5 |
| **THD** | <20% |
| **Electrical class** | Class III |
| **Operating voltage / current** | DC 36V / 300mA |

| PHOTOMETRICAL DATA | |
|---|---|
| **Colour temperature (Kelvin)** | 3000K / 4000K / 6000K |
| **Luminous flux** | 1,020 lm |
| **Colour rendering index (CRI)** | > 80 |
| **Beam angle** | 120° |
| **LED brand / type** | Sanan |
| **Luminous efficiency** | 85 lm/W |
| **LED type / quantity** | SMD 2835, 60 pcs |

| LIFESPAN & WARRANTY | |
|---|---|
| **Lifespan** | 49.999 hrs |
| **Warranty** | 3 years |

| PACKAGING | |
|---|---|
| **Net weight** | 0.23 kg |
| **Carton quantity** | 20 pcs |
| **Carton size** | L400 x W363 x H190 mm |
| **Carton gross weight** | 5.6 kg |

| ADDITIONAL INFORMATION | |
|---|---|
| **Operating temperature** | -20 °C to +50 °C |
| **IP rating** | IP41 |
| **Housing** | Aluminium alloy + PS |

**AVAILABLE MODELS**

| Color Temp | REF No |
|---|---|
| 3000K | 200152 |
| 4000K | 200153 |
| 6000K | 200154 |




Schematic drawing, not to scale. Dimensions in mm.

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### INSTALLATION

**STEP 1** **Unpack and check**

Check the integrity of the product when unpacking. Installation must be done by a professional.

**STEP 2** **Turn off the power**

Power must be cut off before installation. Make sure the switch is off before connecting to the power supply.

**STEP 3** **Drill the holes**

Drill Ø6 mm holes at the marked positions and insert the plugs (parts B).

**STEP 4** **Fix the bracket**

Fix the mounting bracket (part A) to the ceiling with the screws (parts C).

**STEP 5** **Connect the wires**

Supply AC 200-240V: L = Brown, N = Blue. The connection of the power supply must be sealed.

**STEP 6** **Mount the lamp**

Place the lamp body on the bracket and turn it (parts D) until it is fixed firmly.

**STEP 7** **Check**

Check the wiring and that the lamp is fixed firmly.

**STEP 8** **Switch on**

Switch on the power supply and check the light output.

### PACKING INFO

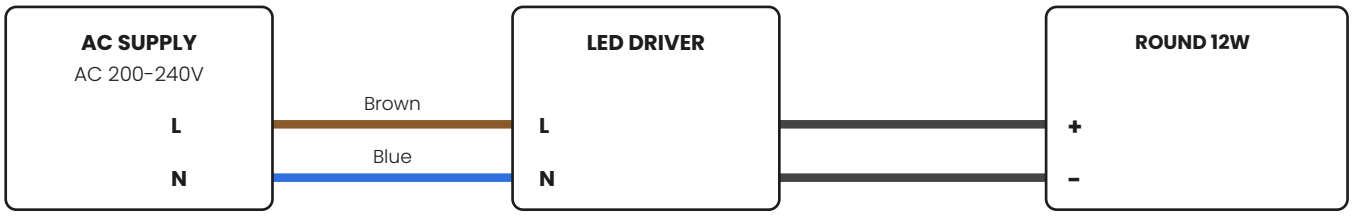
| | |
|---|---|
| **In the box** | 1 x lamp with driver, 1 x mounting kit (parts A-D) |
| **Packing** | 20 pcs per carton |

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### CONNECTION DIAGRAM




Brown = L (live), Blue = N (neutral). The connection of the power supply must be sealed.

**SAFETY NOTICE:**

- Read the specification first and make sure the service environment matches the conditions in the specification before using.
- Confirm the applicable power supply before using.
- Make sure the switch is off before connecting to the power supply, to prevent electric shock.
- Operation against the rules may damage your property and even harm your personal safety.
- Preliminarily estimate the required quantity of lights and, from the power rating of a single light, the total power and the power supply plan.
- Dangerous high voltage: non-professionals are not allowed to maintain the product. A damaged exterior flexible cable or wire must be exchanged by the supplier, its agent or similarly qualified personnel.