# DATA SHEET

VARNALUX

## LED FLOODLIGHT PREMIUM 100W

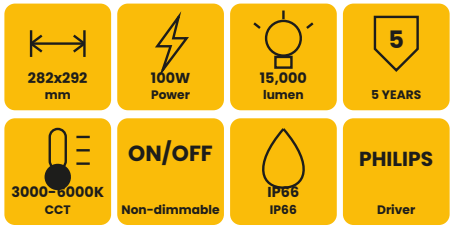
PREMIUM | PHILIPS DRIVER | NON-DIMMABLE | IP66




**APPLICATION**

- Building exteriors and facades
- Warehouses and industrial areas
- Parking lots and construction sites
- Sports areas and large open spaces
- Outdoor and commercial lighting

| AVAILABLE MODELS | |
|---|---|
| Color Temp | REF No |
| 3000K | 100080 |
| 4000K | 100081 |
| 6000K | 100082 |








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| ELECTRICAL DATA | |
|---|---|
| **Wattage (Consumption)** | 100W |
| **Voltage** | AC 200-240V |
| **Max. current** | 0.5A |
| **Operating voltage** | DC 84V |
| **Constant current** | 1.05A |
| **Power factor** | ≥0.95 |
| **Dimming** | Non-dimmable |

| PHOTOMETRICAL DATA | |
|---|---|
| **Temperature (Kelvin)** | 3000K / 4000K / 6000K |
| **Light color** | Warm, neutral or cool white |
| **Luminous flux (3000K / 4000K / 6000K)** | 14,000 / 15,000 / 15,000 lm |
| **Luminous efficiency** | 140 / 150 / 150 lm/W |
| **Beam angle** | 90° |
| **Color Rendering Index (CRI)** | > 80 Ra |
| **LED type** | SMD 2835 |
| **LED quantity** | 140 pcs |
| **Operating temperature range** | -20 °C to +55 °C |

| CAPABILITIES | |
|---|---|
| **Dimmable** | No (non-dimmable) |
| **Mounting** | Adjustable bracket, wall / ceiling / pole fixing |
| **Cable** | 30 cm (pre-fitted) |

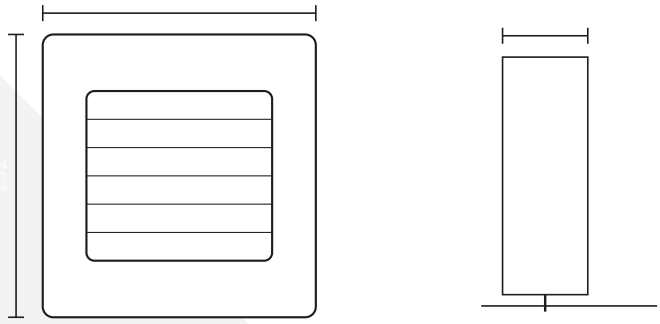
| LIFESPAN & WARRANTY | |
|---|---|
| **Lifespan** | 50,000 hrs |
| **Warranty** | 5 years |

| DIMENSIONS & PACKAGING | |
|---|---|
| **Dimensions** | 282 x 292 x 55 mm |
| **Net weight** | 3.0 kg |
| **Gross weight** | 3.2 kg |
| **Carton qty** | 5 pcs |
| **Carton size** | 370×345×380 mm |
| **Carton weight** | 17 kg |

| ADDITIONAL INFORMATION | |
|---|---|
| **Driver** | Philips LED driver |
| **LED chip** | SMD 2835 |
| **IP Rating** | IP66 |
| **Class** | Class I |
| **Housing** | Die-cast aluminium + toughened glass |
| **Certification** | CE, RoHS |

**AVAILABLE MODELS**

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Schematic drawing, not to scale. Dimensions in mm (body excl. bracket)

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**USER MANUAL | HOW TO USE**

**STEP 1** **Turn off the power**

Switch off the power supply first and make sure the supply cable is not energized. Installation must be done by a professional electrician only.

**STEP 2** **Choose the position**

Choose a stable mounting surface (wall, ceiling or pole) with enough free space around the luminaire for heat dissipation.

**STEP 3** **Fix the bracket**

Mark and drill the fixing holes and secure the bracket with screws and plugs suitable for the surface and the weight of the floodlight.

**STEP 4** **Connect the wires**

Connect the supply cable to the mains: L (live), N (neutral) and earth (Class I luminaire). Use a connection box suitable for outdoor use.

**STEP 5** **Check the wiring**

Double check that the wiring is correct and that the cable entry is properly sealed before switching on, to keep the IP66 protection.

**STEP 6** **Adjust the angle**

Loosen the bracket screws, aim the floodlight in the required direction and tighten the screws firmly again.

**STEP 7** **Turn on the power**

Turn on the power supply and the floodlight 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.

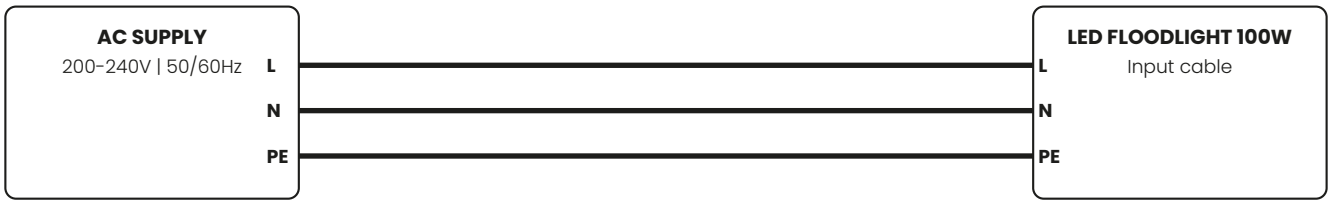
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### WIRING DIAGRAM

Non-dimmable version: this product cannot be used in dimming circuits.




**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 cable or the housing, 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 and keep it away from open flames and external heat sources.
- Do not use the product outside its operating temperature range: this can 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.
- Non-dimmable version: this product cannot be used in dimming circuits.