DATA SHEET

VARNALUX

LED FLOODLIGHT BASIC 20W

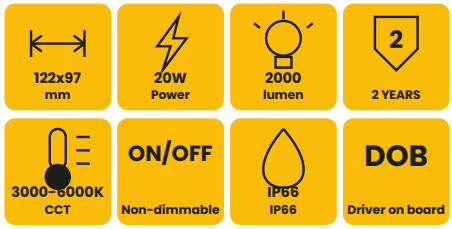
BASIC | DOB | NON-DIMMABLE | IP66



APPLICATION

- Building exteriors and entrances
- Pathways and gardens
- Garages and utility spaces
- Small commercial areas
- Warehouses and outdoor lighting

AVAILABLE MODELS	
Color Temp	REF No
3000K	100096
4000K	100097
6000K	100098







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ELECTRICAL DATA	
Wattage (Consumption)	20W
Voltage	AC 200-240V
Max. current	0.098A
Operating voltage	DC 216V
Constant current	0.09A
Power factor	≥0.9
Dimming	Non-dimmable

PHOTOMETRICAL DATA	
Temperature (Kelvin)	3000K / 4000K / 6000K
Light color	Warm, neutral or cool white
Luminous flux (3000K / 4000K / 6000K)	1,800 / 2,000 / 2,000 lm
Luminous efficiency	90 / 100 / 100 lm/W
Beam angle	120°
Color Rendering Index (CRI)	> 80 Ra
LED type	Sanan SMD 2835
LED quantity	24 pcs
Operating temperature range	-20 °C to +55 °C

CAPABILITIES	
Dimmable	No (non-dimmable)
Mounting	Adjustable bracket, wall / ceiling / pole fixing
Cable	20 cm (pre-fitted)

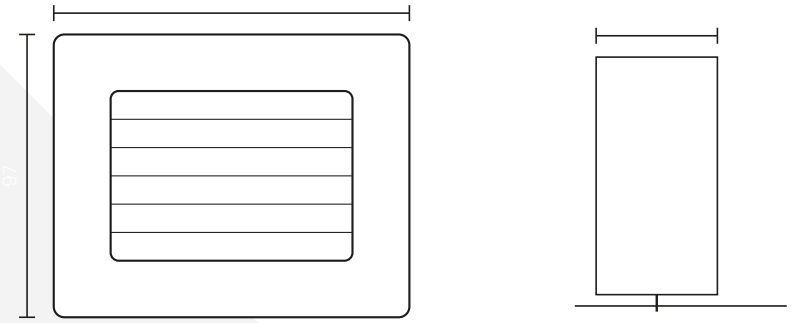
LIFESPAN & WARRANTY	
Lifespan	50,000 hrs
Warranty	2 years

DIMENSIONS & PACKAGING	
Dimensions	122 x 97 x 26 mm
Net weight	0.17 kg
Gross weight	0.20 kg
Carton qty	40 pcs
Carton size	320×290×245 mm
Carton weight	8.8 kg

ADDITIONAL INFORMATION	
Driver	DOB (driver on board)
LED chip	Sanan SMD 2835
IP Rating	IP66
Class	Class I
Housing	Die-cast aluminium + toughened glass
Certification	CE, RoHS

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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.

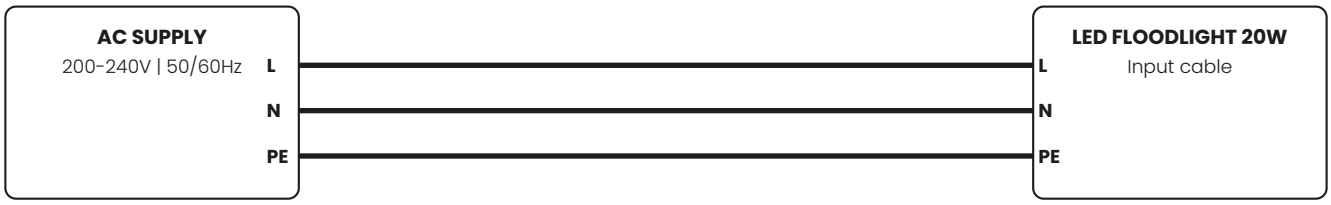
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WIRING DIAGRAM

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.