DATA SHEET

VARNALUX

LED STREET LIGHT 100W

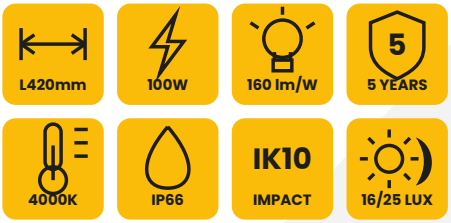
OSRAM DRIVER | DAYLIGHT SENSOR | IP66 | 4000K



APPLICATION

- Streets
- Urban areas
- Roads
- Motorways
- Parking areas
- Pedestrian crossings

AVAILABLE MODELS	
Color Temp	REF No
4000K	100127







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ELECTRICAL DATA	
Wattage (Consumption)	100W
Voltage	AC 220-240V, 50/60Hz
Power Factor	>= 0,95
THD	< 20%
Electrical class	Class I
Surge protection	SPD 15 kV / 20 kV

PHOTOMETRICAL DATA	
Temperature (Kelvin)	4000K
Light color	Neutral white
Luminous efficiency	160 lm/W (±5%)
Lumen	16,000 lm (±5%)
Beam angle	140° x 70°
Color Rendering Index (CRI)	>= 70 Ra
LED quantity	128 pcs
LED brand	Lumileds / Philips / Sanan
LED type	2835 SMD / 3030 SMD

CAPABILITIES	
Dimmable	No
Daylight sensor	Yes (on 16 lux / off 25 lux)
Tilt adjustment	-15° to +15° (arm mount)
Mounting hole size	60 mm

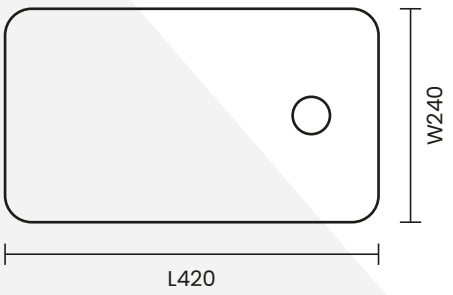
LIFESPAN & WARRANTY	
Lifespan	50.000 hrs (L70)
Warranty	5 years

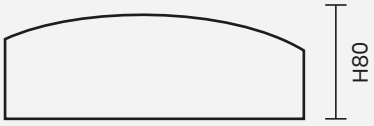
DIMENSIONS & PACKAGING	
Size (LxWxH)	420x240x80 mm
Net weight	3.7 kg
Pole diameter	Ø60 mm
Carton quantity	3 pcs
Carton size	640x310x465 mm
Carton weight	14.6 kg

ADDITIONAL INFORMATION	
Driver	OSRAM
IP Rating	IP66
IK Rating	IK10
Material	Aluminium + glass
Operating temp.	-20 °C to +50 °C

AVAILABLE MODELS

Color Temp	REF No
4000K	100127





Schematic drawing, not to scale. Dimensions in mm.

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USER MANUAL | HOW TO INSTALL AND USE

STEP 1 **Connect the wires**

AC input: L (brown or red) = live, N (blue or black) = neutral, yellow-green = ground. See the wiring diagram on the next page.

STEP 2 **Install the pole**

Put the pole into the lamp arm and fix the screw with a hexagonal wrench. Be careful not to lock the screw yet.

STEP 3 **Adjust the angle**

Adjust the lamp body horizontally so that the lamp body and the ground are parallel (use the level gauge on the fixture). Then tighten the screws with a hexagonal wrench.

STEP 4 **Fit the photocontrol**

Place the photocontrol on the lamp body and lock it. It switches the light on at 16 lux and off at 25 lux.

STEP 5 **Assembly completed**

The luminaire is assembled and ready for use. Keep the fixture horizontal during installation and all later use.

TIP **Adjustment range**

The arm mount is adjustable from -15° to +15°, and the luminaire can be installed horizontally or vertically (arm at 90° or 180°).

PACKING INFO

Packing	3 pcs per carton (1 x 3 layers)
Carton size	L640 x W310 x H465 mm
Gross weight carton	14.6 kg
Net weight per piece	3.7 kg

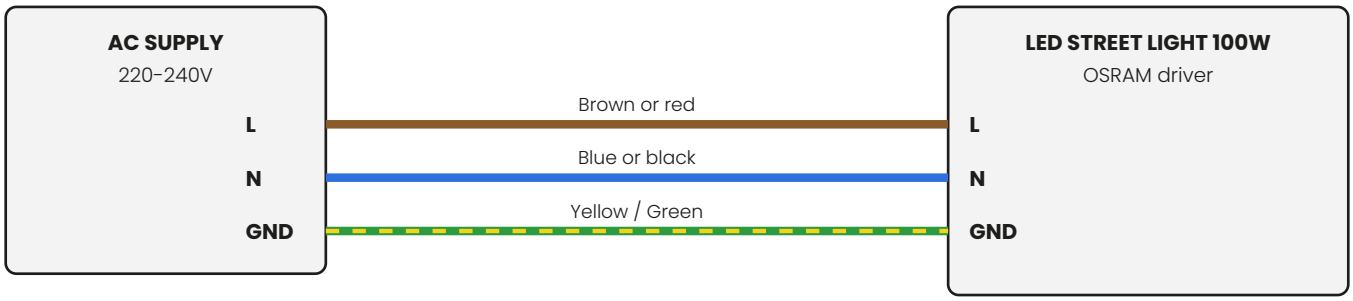
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WIRING DIAGRAM



INSTALLATION SUGGESTIONS (FOR REFERENCE ONLY)

Power	Pole height	Pole spacing	Road width
100W	6-8 m	18-24 m	7-10 m

DAYLIGHT SENSOR (PHOTOCONTROL)

- Switches the light on at 16 lux and off at 25 lux.
- The photocontrol is placed on the lamp body and locked (see installation step 4).

PROTECTION

- Protection level IP66 and IK10. Built-in surge protection (SPD) of 15 kV / 20 kV.

SAFETY NOTICE:

- Installation must be done by professionals only; non-professionals must not install, disassemble or connect wires (high voltage).
- If the power line or the housing is damaged, the product must be treated as defective and must not be used.
- Use the light out of its package and check it for transport damage before installation. If any damage is shown, do not install or use it.
- Never cover the luminaire and keep it away from open flames and external heat sources.
- 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 luminaire.
- 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.