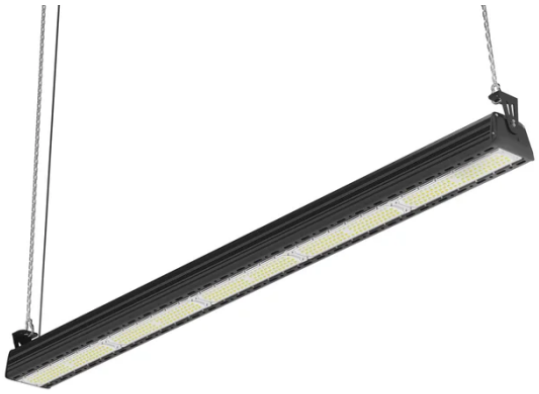
DATA SHEET

VARNALUX

LED HIGH BAY TUBE 50W

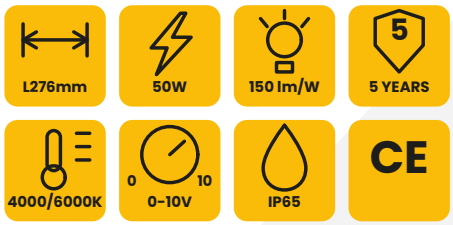
PREMIUM 50W LINEAR | 0-10V DIMMABLE | 150 LM/W | IP65



APPLICATION

- Workshops and factories
- Warehouses
- Highway toll stations and gas stations
- Supermarkets
- Exhibition halls and stadiums

AVAILABLE MODELS	
Color Temp	REF No
4000K	100011
6000K	100012



DATA SHEET

VARNALUX

LED HIGH BAY TUBE 50W

PREMIUM 50W LINEAR | 0-10V DIMMABLE | 150 LM/W | IP65

ELECTRICAL DATA	
Wattage (Consumption)	50W
Voltage	AC 200-240V
Operating voltage	DC 192V
Max. current	0.25A
Constant current	0.24A
Power Factor	>= 0.95
Dimming	0-10V
Cable	20 cm
Electrical class	Class I

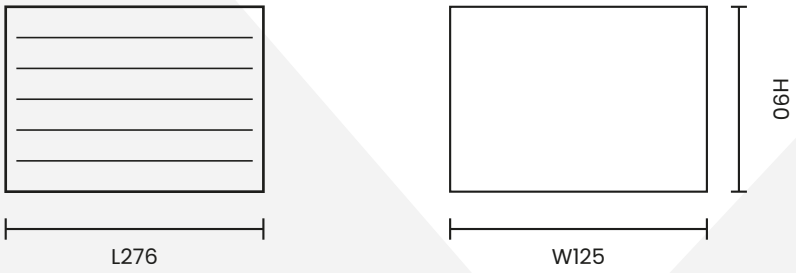
PHOTOMETRICAL DATA	
Temperature (Kelvin)	4000K or 6000K
Light color	Neutral or cool white
Luminous efficiency	150 lm/W
Lumen	7,500 lm (±10%)
Beam angle	90° (optional 60°)
Color Rendering Index (CRI)	≥80 Ra
LED quantity	84 LEDs (SMD2835)
Operating Temperature range	-20 °C to +50 °C

CAPABILITIES	
Dimmable	Yes, 0-10V
Optional beam optics	60°

LIFESPAN & WARRANTY	
Lifespan	50.000 hrs
Warranty	5 years

DIMENSIONS & PACKAGING	
Dimensions	L276 x W125 x H90 mm
Net weight	1.6 kg
Gross weight	1.8 kg
Inner box	1 piece
Packing size	L315 x W165 x H145 mm
Outer box	6 pieces
Outer carton	355x335x480 mm

ADDITIONAL INFORMATION	
Driver	Sosen
LED Chip	SMD2835
IP Rating	IP65
Housing	Aluminium + PC lens
Storage temp.	-30 °C to +60 °C
Certificates	CE & ROHS



Schematic drawing, not to scale. Dimensions in mm.

DATA SHEET

VARNALUX

LED HIGH BAY TUBE 50W

PREMIUM 50W LINEAR | 0-10V DIMMABLE | 150 LM/W | IP65

USER MANUAL | HOW TO USE

STEP 1 **Unpack and check**

Open the box and take out the luminaire and the suspension kit. Use the light out of its package and check it for damage caused by transport. If any damage is visible, do not install or use it.

STEP 2 **Turn off the power**

Switch off the mains supply before starting any work on the luminaire. Installation must be done by a professional electrician only (high voltage).

STEP 3 **Suspended installation**

Drill 2 holes with 50 mm spacing (Ø7 x 40 mm), insert the plugs and lock the fittings with the screws. Tie the wire ropes to the fittings and attach the two hooks to each end of the lamp. The suspension height can be adjusted.

STEP 4 **Wall / ceiling mounting**

With the optional ceiling fitting (REF 200077): fit one bracket on each end of the lamp, drill holes in the wall or ceiling with 40 mm spacing (Ø7 x 40 mm) and screw the lamp to the surface. The angle is adjustable up to 90°.

STEP 5 **Connect the wires**

Connect the wires as shown in the wiring diagram on the next page: Brown = L, Blue = N, Yellow/Green = GND (earth). Supply: AC 200-240V.

STEP 6 **Connect a dimmer (optional)**

For 0-10V dimming connect the dimmer to the Purple (Dim+) and Pink (Dim-) wires. The dimming wires are only needed when a 0-10V dimmer is used.

STEP 7 **Turn on the power**

Switch on the mains supply. Never touch the luminaire while it is switched on and never look directly into the LED beam for a long time.

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

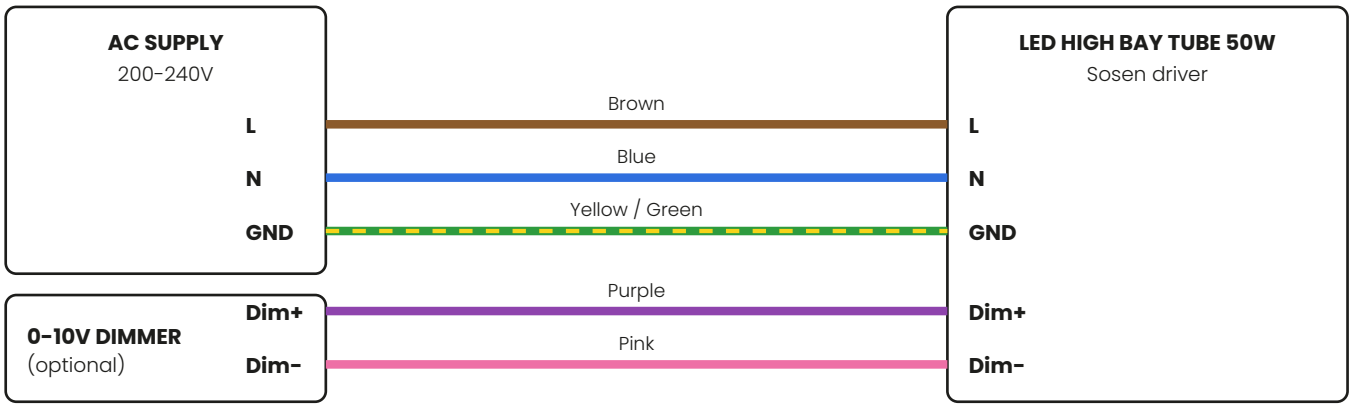
In the box	1 x luminaire, 1 x suspension kit (2 wire ropes with hooks, plugs, screws)
Inner box	1 piece
Outer carton	6 pieces (355x335x480 mm), gross weight of carton: 11.75 kg

DATA SHEET

LED HIGH BAY TUBE 50W

PREMIUM 50W LINEAR | 0-10V DIMMABLE | 150 LM/W | IP65

WIRING DIAGRAM



SAFETY NOTICE:

- Installation must be done by a professional electrician only; non-professionals must not install, disassemble or connect wires (high voltage).
- If the power cable or the housing is damaged, 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.
- 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). Do not let children play 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.