Ledvion LV30001-6500K

Ledvion LED Ceiling Light 60cm, 7W, 6500K, IP65 - Instruction Manual

Model: LV30001-6500K

1. PRODUCT OVERVIEW

The Ledvion LED Ceiling Light is a professional-grade luminaire designed for various indoor and outdoor applications, including wet rooms. This 60 cm fixture is equipped with a 7 Watt LED tube, providing 1120 lumens of daylight white light (6500K). Its IP65 rating ensures resistance to dust and water jets, making it suitable for challenging environments. The robust construction features a polycarbonate fixture and stainless steel clamps, offering enhanced durability and impact resistance (IK06 rated).

This product is designed for easy installation and offers energy-efficient illumination with a long lifespan.

2. SAFETY INSTRUCTIONS

Please read these safety instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Electrical Safety:** Installation should only be performed by a qualified electrician in accordance with local wiring regulations. Always disconnect power at the main circuit breaker before installation or maintenance.

- **Product Integrity:** Do not modify or disassemble the product. Any modifications will void the warranty and may lead to unsafe operation.

- **Operating Environment:** Ensure the operating environment is within the specified temperature and humidity ranges. Do not expose the fixture to corrosive chemicals.

- **Handling:** Handle the LED tube and fixture with care to avoid damage. Do not apply excessive force.

- **Disposal:** Dispose of the product and its components responsibly, following local regulations for electronic waste.

3. WHAT'S IN THE BOX

Verify that all components are present and undamaged before proceeding with installation.

WHAT´S IN THE BOX

SKU: LV30001-6500K

1x Fixture   **1x** LED Tube   **2x** Connector   **2x** Suspension set

6x Clips   **4x** Screw wall plugs

4x Screws   **1x** Manual

Image: Contents of the package for Ledvion LED Ceiling Light (SKU: LV30001-6500K). It shows: 1x Fixture, 1x LED Tube, 2x Connectors, 2x Suspension set, 6x Clips, 4x Screw wall plugs, 4x Screws, and 1x Manual.

- 1x LED Fixture
- 1x LED Tube (7W, 6500K, 1120 Lumens)
- 2x Connectors
- 2x Suspension Set (for hanging installation)
- 6x Mounting Clips (stainless steel)
- 4x Screw Wall Plugs
- 4x Screws
- 1x Instruction Manual

Image: A close-up of the included Ledvion 7 Watt, 6500K, 1120 Lumen LED tube, highlighting its flicker-free design.

Image: An LED starter included with the product, designed for retrofitting traditional tube fixtures. This starter is for LED tubes use only.

4. INSTALLATION INSTRUCTIONS

Follow these steps for safe and proper installation of your Ledvion LED Ceiling Light.

4.1. Preparation

1. **Disconnect Power:** Before starting any electrical work, ensure the power supply to the installation area is completely switched off at the main circuit breaker.
2. **Gather Tools:** You will need a drill, screwdriver, wire strippers, and potentially a voltage tester.
3. **Choose Location:** Select a suitable mounting location, ensuring it can support the weight of the fixture and is free from obstructions.

4.2. Mounting the Fixture

1. **Mark Drill Points:** Hold the fixture or mounting clips against the desired surface and mark the drilling points for the screws.

2. **Drill Holes:** Drill holes at the marked points. Insert the screw wall plugs into the drilled holes.
3. **Attach Clips/Suspension:** Secure the mounting clips or the suspension set to the surface using the provided screws. Ensure they are firmly attached.
4. **Mount Fixture:** Snap the LED fixture into the secured mounting clips or attach it to the suspension set.

4.3. Electrical Connection

1. **Open Wiring Compartment:** Carefully open the wiring compartment of the fixture.
2. **Connect Wires:** Connect the main power supply wires to the terminal block inside the fixture. Ensure correct polarity (Live, Neutral, Earth). Use the provided connectors/glands to maintain IP65 rating.
3. **Secure Wiring:** Ensure all connections are tight and secure. Close the wiring compartment, making sure no wires are pinched.

4.4. Inserting the LED Tube

1. **Insert Tube:** Carefully insert the LED tube into the fixture. Ensure it is properly seated.*Note: If the light does not function after connection, try rotating the LED tube 180 degrees to reverse polarity.*
2. **Close Fixture:** Securely close the fixture cover, ensuring all seals are correctly positioned to maintain the IP65 rating.

4.5. Final Steps

1. **Restore Power:** Once installation is complete and all connections are secure, restore power at the main circuit breaker.
2. **Test Light:** Turn on the light to ensure it functions correctly.

Image: Diagram illustrating the linkable feature of the Ledvion fixture, showing how to connect multiple units using an additional terminal block and extension wire.

Linking Multiple Fixtures: This fixture is designed to be linkable with other LED fixtures. Additional terminal blocks and extension wires are included for this purpose. Refer to the diagram for connection details.

5. OPERATING INSTRUCTIONS

The Ledvion LED Ceiling Light operates simply via a standard wall switch connected to its power supply. Once installed and powered, the light will turn on and off with the switch.

- **Switch On/Off:** Use the connected wall switch to turn the light on or off.
- **Instant Full Brightness:** LED technology provides instant full brightness without warm-up time.
- **Flicker-Free Operation:** The included LED tube is designed for flicker-free illumination, providing comfortable light.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your LED Ceiling Light.

- **Cleaning:** Disconnect power before cleaning. Wipe the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the finish or seals.
- **Inspection:** Periodically inspect the fixture for any signs of damage, loose connections, or wear. If any issues are found, disconnect power and consult a qualified electrician.
- **LED Tube Replacement:** The LED tube is designed for a long lifespan. If replacement is necessary, ensure the power is disconnected. Carefully remove the old tube and insert a new compatible LED tube. Ensure correct polarity.
- **Maintaining IP65 Rating:** Ensure all seals and glands are properly seated and tightened after any maintenance to maintain the IP65 dust and water resistance rating.

7. TROUBLESHOOTING

If you encounter issues with your Ledvion LED Ceiling Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Loose wiring connection. Incorrect LED tube polarity. Faulty LED tube.	Check circuit breaker and wall switch. Verify all electrical connections are secure (*with power off*). Rotate the LED tube 180 degrees. Replace the LED tube.
Light flickers.	Loose LED tube connection. Incompatible dimmer switch (if applicable). Power supply instability.	Ensure LED tube is firmly seated. This fixture is not specified as dimmable. If a dimmer is used, remove it. Consult an electrician to check power supply.
Reduced brightness.	Dust or dirt on the fixture. Aging LED tube.	Clean the fixture cover. Consider replacing the LED tube.
Water ingress into fixture.	Improperly sealed cover or glands. Damaged seals.	Ensure fixture cover and cable glands are correctly closed and tightened. Inspect seals for damage and replace if necessary.

If the problem persists after attempting these solutions, please contact Ledvion customer support or a qualified electrician.

8. SPECIFICATIONS

Detailed technical specifications for the Ledvion LED Ceiling Light (Model LV30001-6500K).

Model Number	LV30001-6500K
Brand	Ledvion
Power Consumption	7 Watts (Fixture with LED Tube)
Luminous Flux	1120 Lumens
Color Temperature	6500K (Daylight White)

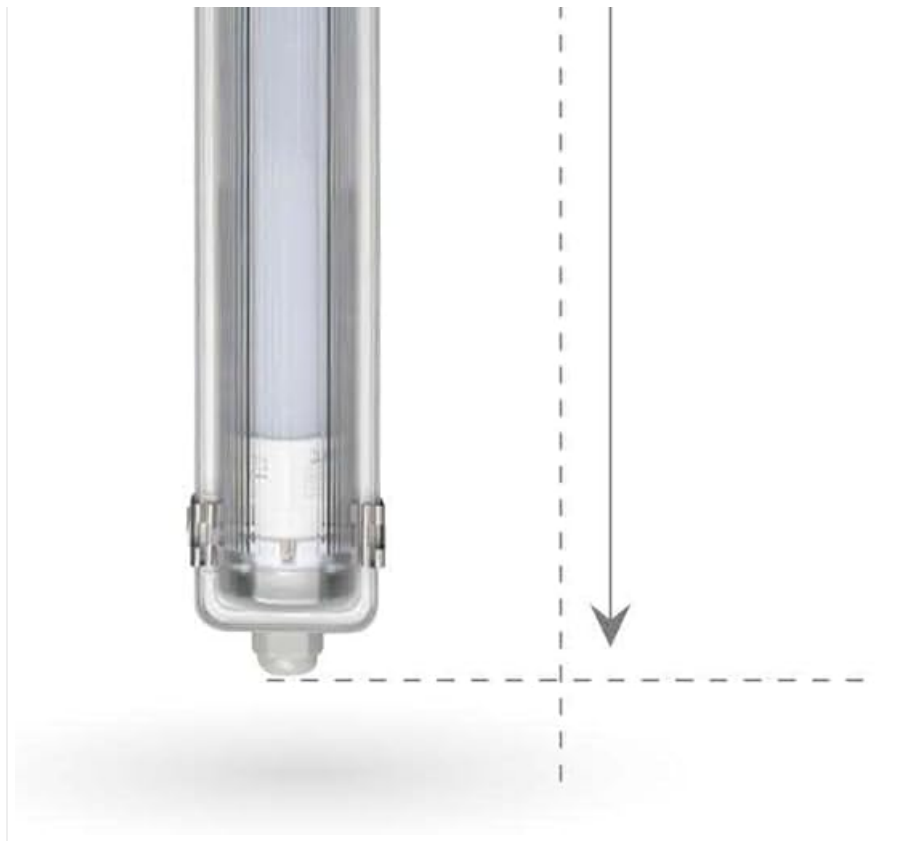|	
Efficacy	160 Lumens/Watt
Ingress Protection (IP) Rating	IP65 (Dust tight, protected against water jets)
Impact Protection (IK) Rating	IK06
Material	Polycarbonate (Fixture), Stainless Steel (Clamps)
Dimensions (L x W x H)	66.8 cm x 6.2 cm x 6.45 cm (approx. 668mm x 62mm x 64.5mm)
Input Voltage	AC (Standard mains voltage)
Special Features	UV resistant, Linkable, Flicker-free LED tube

62 mm

668 mm

Image: Dimensional drawing showing the length (668 mm) and width (62 mm) of the Ledvion LED Ceiling Light.

Image: Illustration emphasizing the IK06 rating for durability and impact resistance, featuring polycarbonate and stainless steel construction.
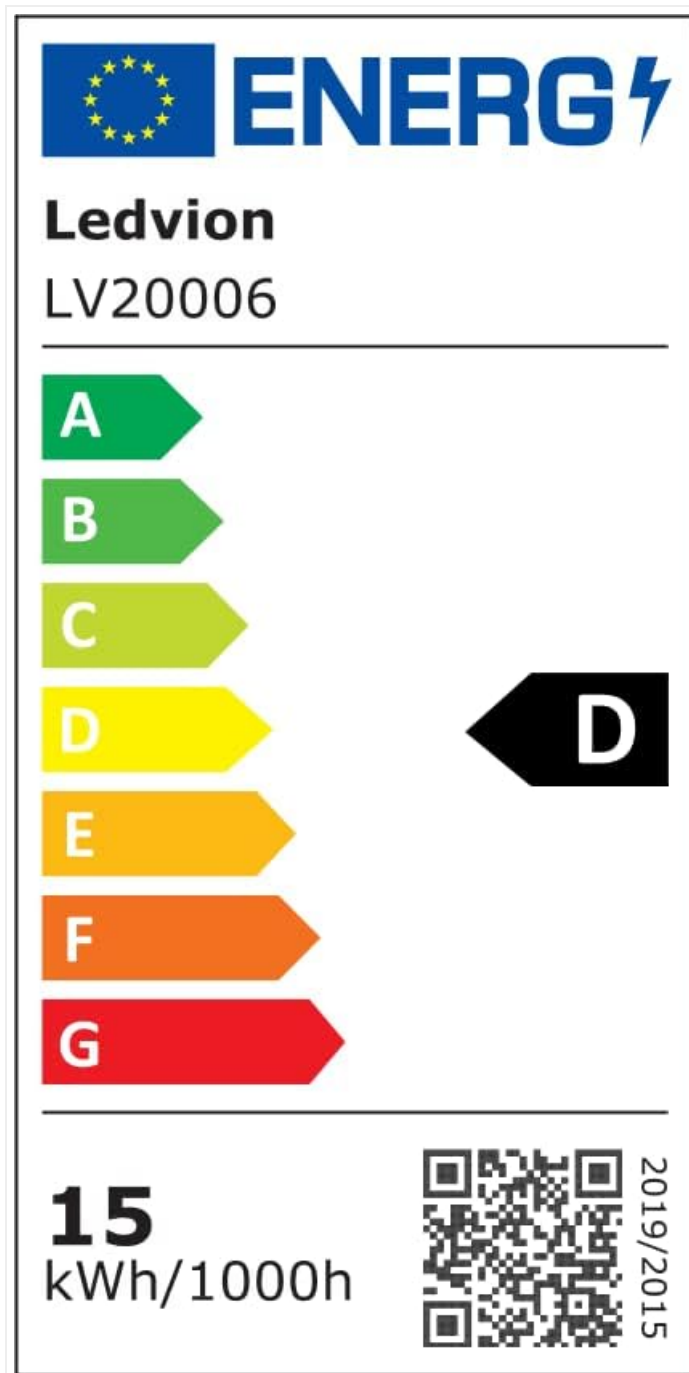
Image: EU Energy Label for a Ledvion product (Model LV20006, Energy Class D, 15 kWh/1000h). Note: This label may be for a similar product or an older model. For more details, visit the EPREL database.

9. WARRANTY AND SUPPORT

Ledvion products are manufactured with high-quality materials and undergo strict quality control.

- **Warranty:** This product comes with a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.
- **Claiming Warranty:** In case of a warranty claim, please contact your retailer or Ledvion customer service with proof of purchase.
- **Customer Support:** For technical assistance, troubleshooting, or general inquiries, please visit the official Ledvion website or contact their customer support channels.

Image: Graphic indicating a 2-year warranty for the product, highlighting higher product durability compared to polycarbonate and glass tubes.