

KVTVKEGGDW LEDCL-2421B 21W DC24V

KVTVKEGGDW LED Lighting Cabinet Light User Manual

Model: LEDCL-2421B 21W DC24V

1. PRODUCT OVERVIEW

The KVTVKEGGDW LED Lighting Cabinet Light is designed for internal lighting applications such as CNC machine tools, milling machines, workbenches, and other industrial settings. It features a magnetic base for easy installation and a rotating bracket for adjustable illumination angles.

Key Features

- **Stability:** Designed for stable, long-term operation.
- **Easy to Install:** Adjustable and multi-angle installation options.
- **Versatile Usage:** Suitable for machine internal lighting, including CNC machine tools, milling machines, and industrial workbenches.
- **Durable Material:** Constructed with a high-strength aluminum alloy shell for robust heat dissipation and safety.
- **Adjustable Lighting:** Features a rotating bracket design, allowing users to change the irradiation angle.



Figure 1: Front view of the KVTVKEGGDW LED Lighting Cabinet Light, showing its magnetic base and integrated power button.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation to prevent injury or damage to the product.

- Ensure the power supply matches the product's voltage requirements (DC24V for this model).
- Disconnect power before installation, maintenance, or cleaning.
- Do not operate the light if the housing is damaged.
- Avoid direct eye exposure to the LED light source.
- Installation should be performed by qualified personnel if unsure.
- Keep the product away from excessive heat, moisture, and corrosive environments.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x KVTVKEGGDW LED Lighting Cabinet Light (Model LEDCL-2421B 21W DC24V)
- Mounting accessories (if applicable, e.g., screws, brackets for non-magnetic surfaces)
- User Manual (this document)

4. SETUP

4.1 Mounting Instructions

The LED light features a strong magnetic base for easy attachment to ferrous metal surfaces. For non-magnetic surfaces, use appropriate mounting hardware (not always included) with the integrated mounting points.

1. Identify a suitable mounting location within your cabinet, machine, or workbench. Ensure the surface is clean and dry.
2. For magnetic mounting: Simply place the light firmly against the metal surface. The magnets will secure it in place.
3. For screw mounting (if applicable): Mark the positions for screws using the light's mounting holes. Drill pilot holes if necessary, then secure the light with appropriate screws.

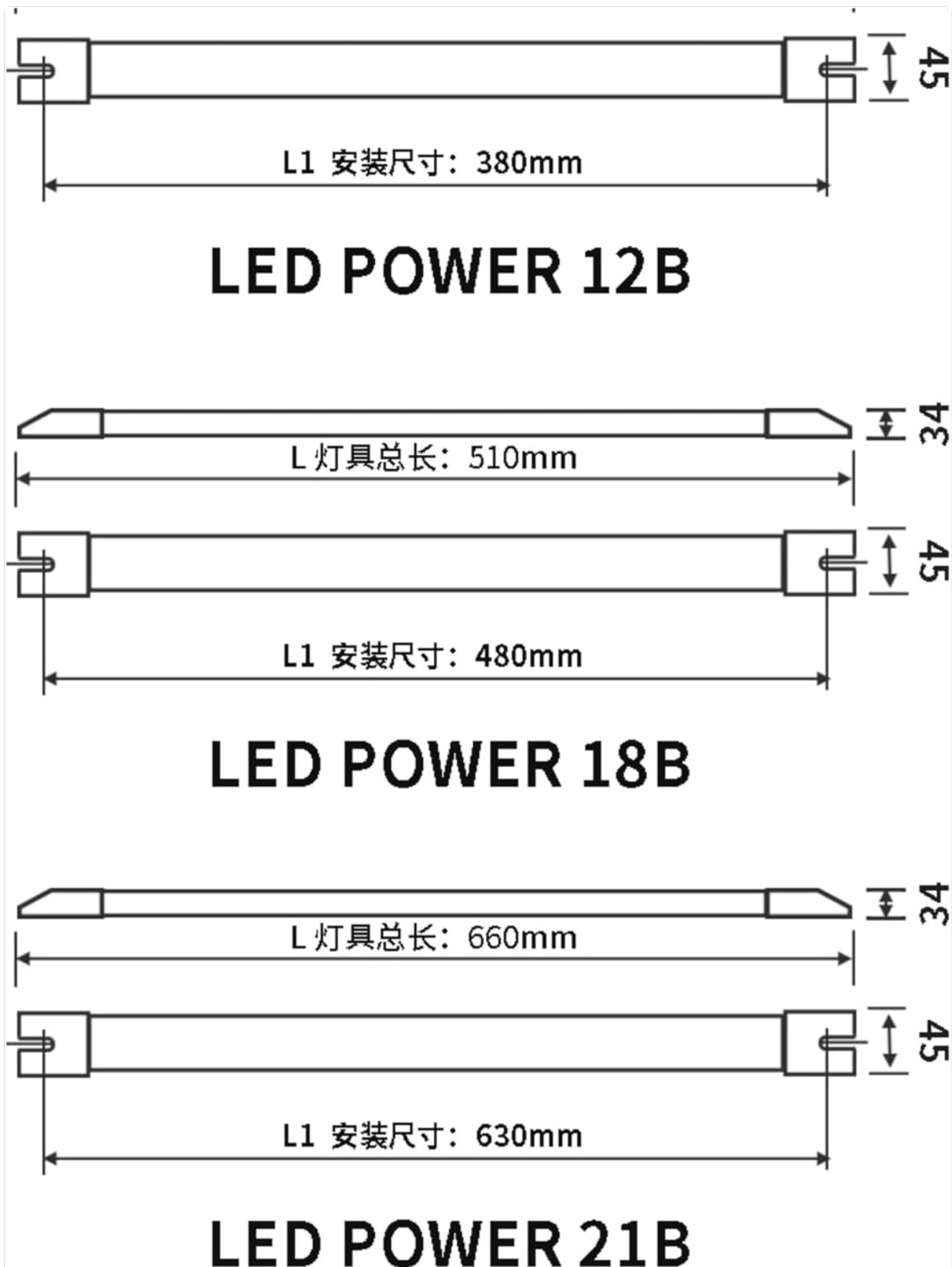


Figure 2: Product size drawing illustrating the dimensions (length and width) for different models of the LED cabinet light, useful for planning installation space.

4.2 Electrical Connection

This model (LEDCL-2421B) operates on DC24V. Ensure your power source provides the correct voltage and current.

1. Before connecting, ensure the power supply is turned off at the source.

- Connect the light's power cable to a compatible DC24V power supply. Observe correct polarity (positive to positive, negative to negative).
- Secure all connections to prevent accidental disconnection or short circuits.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

The light is equipped with an integrated power button for convenient operation.

- To turn on the light: Press the red power button located on the end of the light fixture.
- To turn off the light: Press the red power button again.

5.2 Adjusting Light Angle

The light features a rotating bracket design, allowing you to direct the illumination as needed.

- Gently rotate the main body of the light fixture relative to its mounting points to achieve the desired illumination angle.
- Avoid forcing the rotation beyond its natural range of motion.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your LED light.

- Cleaning:** Disconnect power before cleaning. Wipe the light's surface with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents.
- Inspection:** Periodically check the power cable for any signs of damage (fraying, cuts). Ensure mounting is secure.
- Heat Dissipation:** Ensure the light is not covered or obstructed, as this can impede heat dissipation and affect performance.

7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; incorrect voltage; faulty connection; power button not pressed.	Check power source; verify DC24V supply; ensure connections are secure; press power button firmly.
Light flickers.	Unstable power supply; loose connection.	Ensure stable DC24V power; check and secure all electrical connections.
Light is dim.	Insufficient power; dust accumulation on light surface.	Verify power supply meets specifications; clean the light surface.
Light falls off magnetic surface.	Surface not ferrous; surface too thin; excessive vibration.	Ensure mounting surface is suitable for magnets; consider screw mounting for unstable environments.

8. SPECIFICATIONS

Detailed technical specifications for the LED Lighting Cabinet Light (Model LEDCL-2421B 21W DC24V).

Attribute	Value
Brand	KVTVKEGGDW
Model Name	LEDCL-2421B
Power	21W
Voltage	DC24V
Light Source	SMD LED
Color Temperature	4000K/6400K (Dual Color Temperature)
Material	High-strength Aluminum Alloy Shell
Item Weight	1000 Grams (approx. 2.2 pounds)
Package Dimensions	0.39 x 0.39 x 0.39 inches (approximate)
Country of Origin	China

PARAMETERS

产品参数

型号	功率	光源	电压	光通量	色温	灯罩	长度	安装
LEDCL-2408B	8w	SMD LED	DC24V	960lm	4000k/6400k	PC	310mm	280mm
LEDCL-11008B			AC110V					
LEDCL-22008B			AC220V					
LEDCL-2412B	12w	SMD LED	DC24V	1440lm	4000k/6400k	PC	410mm	380mm
LEDCL-11012B			AC110V					
LEDCL-22012B			AC220V					
LEDCL-2418B	18w	SMD LED	DC24V	2160lm	4000k/6400k	PC	510mm	480mm
LEDCL-11018B			AC110V					
LEDCL-22018B			AC220V					
LEDCL-2421B	21W	SMD LED	DC24V	2520lm	4000k/6400k	PC	660mm	630mm
LEDCL-11021B			AC110V					
LEDCL-22021B			AC220V					

PRODUCT SIZE DRAWING

产品尺寸图

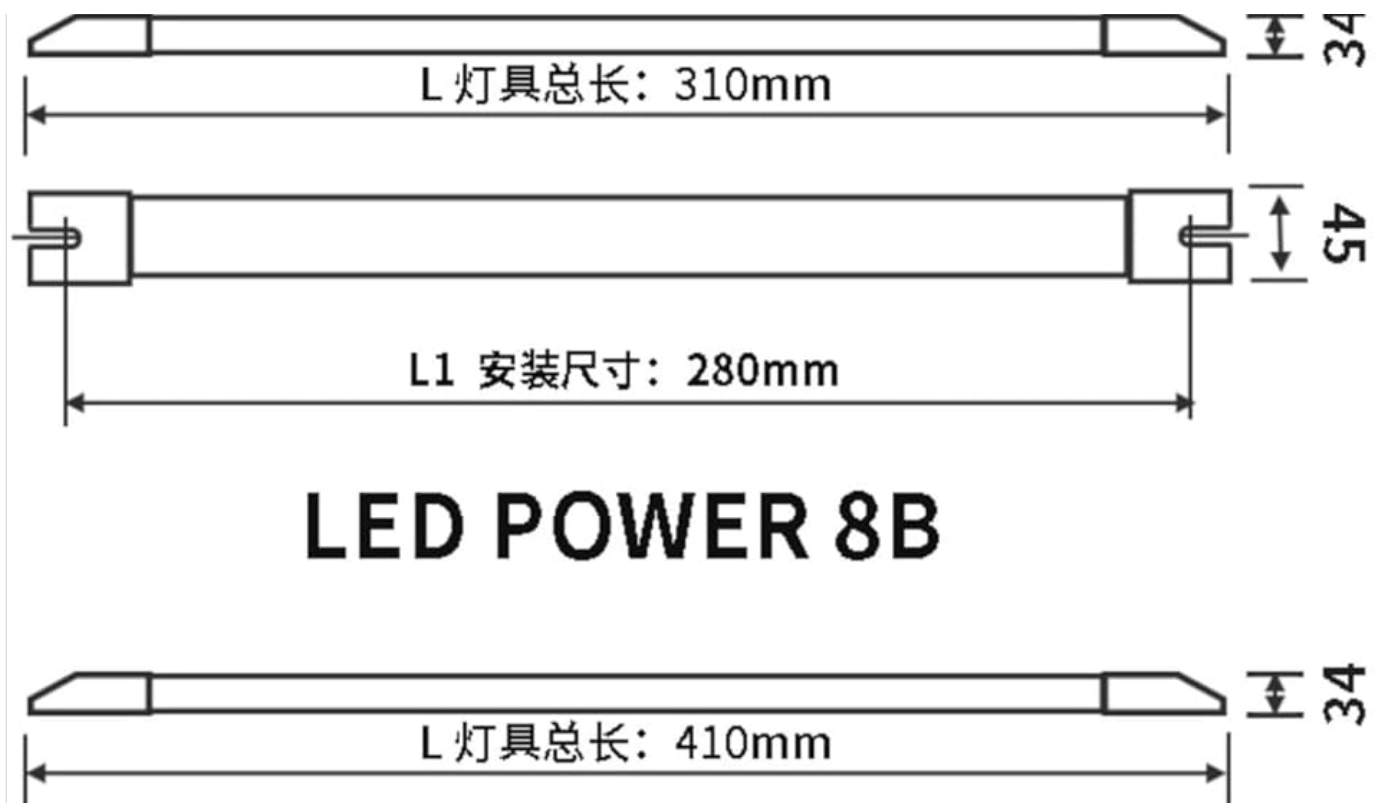


Figure 3: Product parameters table, detailing specifications for different models including the LEDCL-2421B.

9. WARRANTY AND SUPPORT

This product is covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the product packaging or contact your retailer.

For technical support, troubleshooting assistance, or warranty claims, please contact the KVTVKEGGDW customer service department through your point of purchase or visit the official brand website for contact information.