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› BLACK+DECKER Verve Designer LED Clamp Light (Model LED2100-CL) Instruction Manual

BLACK+DECKER LED2100-CL

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User Guide for Model LED2100-CL

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your BLACK+DECKER Verve Designer LED Clamp Light, Model LED2100-CL. Please read these instructions thoroughly before installation and use, and retain them for future reference.

Safety Information:

- Ensure the power source matches the lamp's requirements.
- Do not disassemble or modify the lamp.
- Keep away from water and high humidity.
- Avoid direct eye exposure to the LED light for prolonged periods.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x BLACK+DECKER Verve Designer LED Clamp Light
- 1 x USB Cable



Image: The BLACK+DECKER Verve Designer LED Clamp Light, showing its sleek design and clamp base.

SETUP AND INSTALLATION

The Verve Designer LED Clamp Light features a versatile 2-in-1 clamp design, allowing for secure attachment to both horizontal and vertical surfaces up to 3 inches thick.

1. Identify a suitable mounting surface (shelf, cubicle wall, headboard, desk edge).
2. Adjust the clamp opening by turning the screw mechanism until it fits snugly over the surface.
3. Securely tighten the clamp to ensure stability.
4. Connect the provided USB cable to the lamp's power input and then to a compatible USB power adapter (not included) or USB port.



2-in-1 Clamp Design

Secures to horizontal and vertical surfaces up to 3" thick, making it an ideal accent light for shelves, cubicle walls, headboards, and more

Image: The clamp light mounted horizontally on a shelf and vertically on a headboard, demonstrating its 2-in-1 versatility.

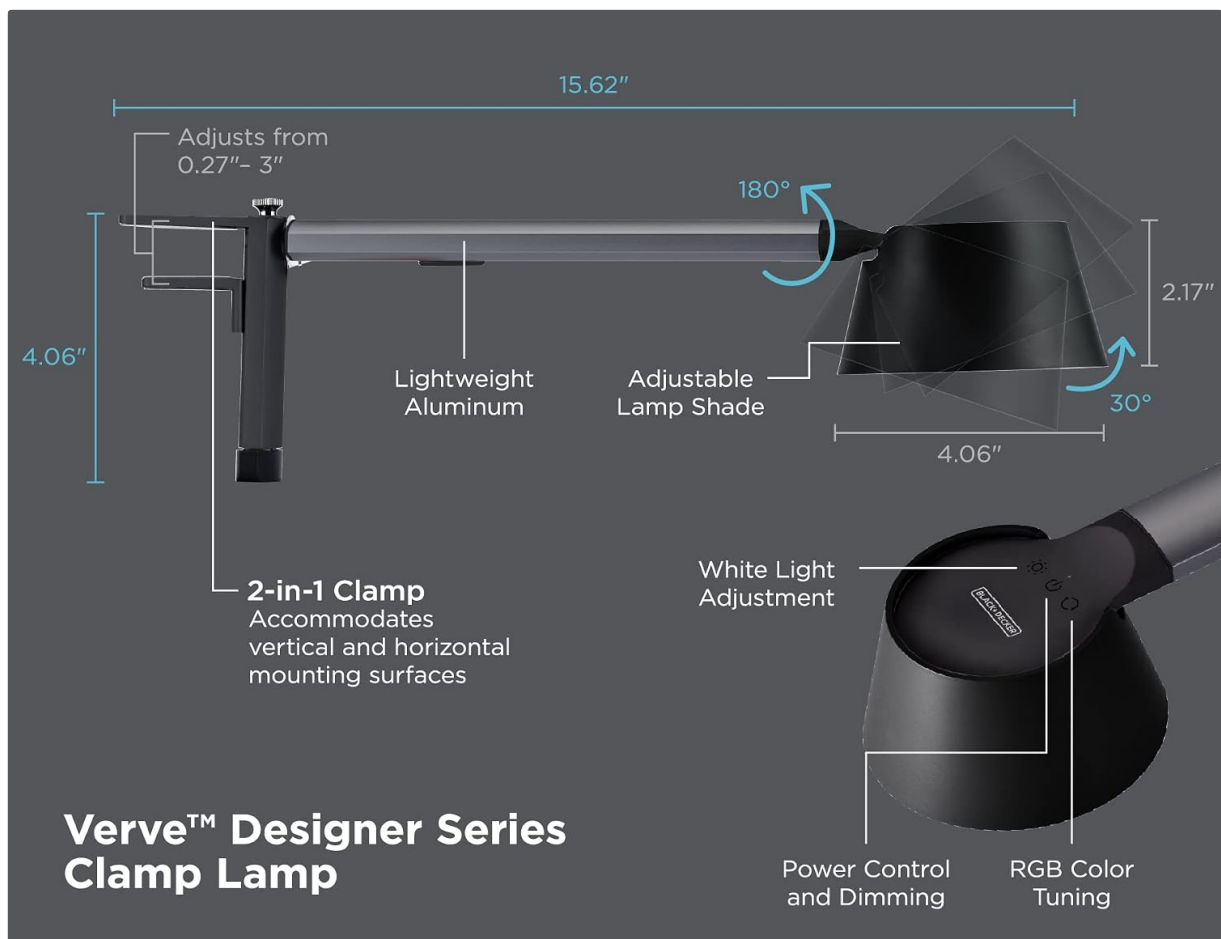


Image: A diagram illustrating the lamp's dimensions, 2-in-1 clamp mechanism, 180-degree adjustable lamp shade, and 30-degree tilt capability.

The lamp head is adjustable, allowing for 180 degrees of rotation and 30 degrees of tilt to direct light precisely where needed.

OPERATING INSTRUCTIONS

The lamp features touch-capacitive buttons located on the lamp head for easy control.



Dimming

0% - 100% Stepless Dimming

Adjustable White Light

Warm White Light (3000K)
Natural Daylight (4000K)
Cool White Light (5000K)

16 Million Colors

Single Color Mode
Color-Changing Mode

Image: Visual representation of the lamp's control functions, including 0-100% stepless dimming, adjustable white light (3000K, 4000K, 5000K), and 16 million RGB color options.

Power Control and Dimming

- **Power On/Off:** Touch the power control button (refer to diagram in Setup section) to turn the lamp on or off.
- **Dimming:** While the lamp is on, press and hold the power control button to adjust brightness from 0% to 100% steplessly. Release at the desired brightness level.

Adjustable White Light

The lamp offers three color temperature modes for white light:

- **3000K (Warm White):** Ideal for relaxing environments.
- **4000K (Natural Daylight):** Suitable for general reading and tasks.
- **6000K (Cool White):** Best for focused tasks requiring high clarity.

Touch the "White Light Adjustment" button (refer to diagram in Setup section) to cycle through these color temperatures.

RGB Color Tuning

Access 16 million colors for mood lighting:

- **Single Color Mode:** Touch the "RGB Color Tuning" button (refer to diagram in Setup section) to cycle through various static colors.
- **Color-Changing Mode:** Press and hold the "RGB Color Tuning" button to activate a dynamic color-changing sequence. Release to select a specific color during the sequence, or press again to pause/resume.

MAINTENANCE

To ensure the longevity and optimal performance of your LED Clamp Light, follow these simple maintenance guidelines:

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the lamp's surfaces. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electronic components.
- **Storage:** If storing the lamp for an extended period, ensure it is clean and dry. Store in a cool, dry place away from direct sunlight.
- **LEDs:** The integrated LED light source is designed for long-term use and is not user-replaceable.

TROUBLESHOOTING

If you encounter issues with your BLACK+DECKER Verve Designer LED Clamp Light, refer to the following common solutions:

Problem	Possible Cause	Solution
Lamp does not turn on.	No power connection or faulty USB cable/adaptor.	◦ Ensure the USB cable is securely connected to both the lamp and the power source. ◦ Try a different USB power adapter or USB port. ◦ Verify the power outlet is functional.
Light flickers or is unstable.	Insufficient power supply or loose connection.	◦ Ensure the power adapter provides sufficient output (e.g., 5V/2A). ◦ Check all cable connections for tightness.
Cannot change color or dim.	Controls not responding or lamp in an unresponsive state.	◦ Ensure fingers are clean and dry when touching controls. ◦ Disconnect the lamp from power for 30 seconds, then reconnect to reset.

SPECIFICATIONS

Model Number	LED2100-CL
Brand (Manufacturer)	PureOptics LED
Product Dimensions	15.75 x 4.06 x 4.06 inches
Item Weight	1.5 Pounds
Color	Black/Gray
Material	Aluminum
Finish Type	Anodized
Light Source Type	LED

Power Source	DC
Wattage	5.5 watts
Maximum Compatible Light Source Wattage	12 Watts
Mounting Type	Clamp (Table/Shelf Mount)
Bulb Features	Dimmable
Color Temperature	Adjustable (3000K, 4000K, 6000K)
Color Rendering Index (CRI)	90
Switch Style	Touch
Special Features	Color Changing, Dimmable
UPC	842048035824

WARRANTY INFORMATION

This BLACK+DECKER Verve Designer LED Clamp Light (Model LED2100-CL) is covered by a **3-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

The warranty does not cover damage resulting from accident, misuse, abuse, improper installation, unauthorized repair or modification, or failure to follow the instructions in this manual.

Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries, please contact the manufacturer, PureOptics LED, through their official website or customer service channels.

You may find contact information on the product packaging or by visiting the PureOptics LED website.

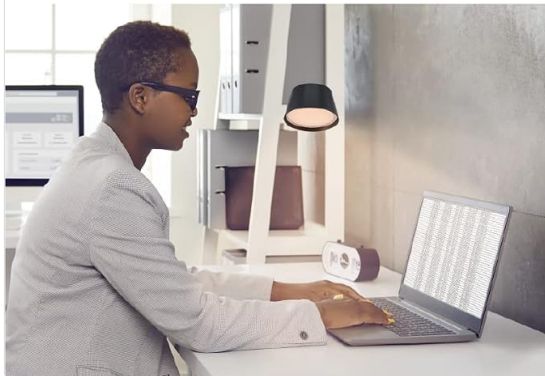


Image: The BLACK+DECKER Verve Designer LED Clamp Light shown in various applications, such as illuminating a desk, a headboard, and a shelf.