



DYGL46BLKS1B
FULL SPECTRUM
GROW LIGHT



BoostGro DYGL46BLKS1B Full Spectrum Grow Light User Manual

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BoostGro DYGL46BLKS1B Full Spectrum Grow Light



INTRODUCTION

A strong and effective lighting option, the BoostGro DYGL46BLKS1B Full Spectrum Grow Light is made to promote plant growth at different stages. This 4-foot LED light, which costs \$54.99, simulates natural sunshine with a color temperature of 5000 Kelvin and an amazing 3700 lumens of brightness. This grow light is designed to encourage robust, healthy plant development, making it perfect for professional horticulturists, home gardeners, and greenhouses. It provides a wide range of light, so your plants will get the wavelengths they need for both the vegetative and flowering phases. The device uses a regular 120V AC electrical system and has a power output of 30 watts. Boost Lighting, Inc. is the manufacturer of the DYGL46BLKS1B, which was introduced on August 27, 2024, and is built to last. For those seeking a high-performing, energy-efficient grow light to accelerate the growth of their plants, the BoostGro DYGL46BLKS1B is a great option.

SPECIFICATIONS

Brand	BoostGro
Price	\$54.99
Light Source Type	LED
Power Source	AC
Wattage	30 watts
Lighting Method	Downlight
Voltage	120 Volts
Brightness	3700 Lumen
Size	4 FT Pro
Color Temperature	5000 Kelvin
Product Dimensions	46 x 3.54 x 1.42 inches
Weight	1.15 Pounds
Item Model Number	DYGL46BLKS1B
Date First Available	August 27, 2024
Manufacturer	Boost Lighting, Inc.

WHAT'S IN THE BOX

- Full Spectrum Grow Light
- User Manual

FEATURES

- **Full Spectrum Light:** With its 5000K daylight, 660nm red, and 450nm blue LEDs, the BoostGro DYGL46BLKS1B offers a full spectrum of light that replicates natural sunshine and is perfect for all stages of plant growth, from sprouting to vegetative.
- **Red and Blue Light Optimization:** The red and blue wavelength combination is intended to maximize plant growth by encouraging robust seedling development and vegetative growth.
- **Energy Efficient:** This grow light uses only 30W of power to generate 3700 lumens of light, which makes it a great option for gardeners who want to reduce their energy expenses without sacrificing the brightness of their plants' growth.
- **High Brightness:** The light's 3700-lumen luminous output guarantees that plants have enough light to thrive in a variety of indoor settings.



5000K Daylight

660nm Red Light

450nm Blue Light

- **Low Energy Consumption:** The grow light uses little energy, even with its great brightness. It produces a lot of light while drawing little power, making it ideal for cutting down on energy costs.
- **Versatile Installation:** The lamp may be mounted or hung according to your demands and available space thanks to its screw mount and 2-foot hanging cable.
- **Linkable Design:** This feature is perfect for expanding your indoor growing setup without requiring different power sources because it enables you to daisy chain up to four units per power circuit.
- **Inline Switch:** This grow lamp has an integrated inline switch that makes it simple to turn it on and off without constantly plugging it in and unplugging it.
- **FCC-Certified:** The light is suitable for use in residential and commercial indoor gardening settings since it satisfies stringent safety requirements for electromagnetic interference.
- **Damp-Rated:** Because the light is damp-rated, it can be used safely in places with mild humidity, like indoor garden rooms, basements, and greenhouses.
- **3-Year Warranty:** The product's durability is guaranteed by the 3-year limited warranty, which gives you peace of mind that you are protected in the event that any problems occur during regular use.
- **Compact Design:** The 4-foot-long light fixture has a thin profile that fits well in a variety of indoor growth conditions, even with its bright output. Its measurements are 46 x 3.54 x 1.42 inches.



- **Sturdy Design:** Constructed from premium materials, the light is long-lasting and will provide years of efficient plant care.
- **5000K Daylight Spectrum:** By simulating natural daylight, the 5000K color temperature makes sure your plants get the ideal amount of light for photosynthesis and general, healthy growth.
- **Lightweight:** At just 1.15 pounds, the light is manageable to carry and install without putting undue strain on your mounting brackets or hanging system.



SETUP GUIDE

- **Unpack the Product:** The BoostGro DYGL46BLKS1B LED grow light should be carefully unpacked. Make sure that all parts (light fixture, hanging cable, and screw mounts) are present.
- **Decide on the Installation Site:** Select a space that will receive the most light possible. To get the most exposure, make sure the light is positioned above the plant canopy.
- **Prepare the Mounting or Hanging:** If you plan to hang the light, fasten the two-foot hanging cord to mounting hardware or secure spots on your ceiling. As an alternative, use the included screw mounts to mount it to the wall.
- **Place the Light Above the Plants:** Depending on the height and stage of growth of the plants, place the light 6 to 12 inches above them. The plants' distance from the light will affect how intense it is.
- **Plug the Light Into a Suitable 120V Electrical Socket :** Connect the light to the power source. Make sure the outlet is grounded and capable of supporting the light's power needs.
- **Activate the Inline Switch:** Turn on the light by using the inline switch. The switch makes it easy to adjust how the light works.
- **Daisy Chain Multiple Units:** The linkable design makes it easier to build up larger installations by allowing you to connect up to four units on a single power circuit if you require more lights.
- **Test Light Functionality:** After installation, make sure the light covers the designated plant area and provides

enough illumination.

- **Modify Height for Best Coverage:** As plants get bigger, change the light's height to guarantee uniform coverage and avoid light burn or underexposure.
- **Verify Electrical Connections:** Verify that all electrical connections are securely fastened and free of damaged or exposed wires.
- **Monitor Light Spread:** Verify that all plants are receiving an even distribution of light, with no sections becoming unlit.
- **Use a Timer:** To ensure that your plants receive regular light exposure, think about using a timer to regulate the light's on/off cycles.
- **Analyze Power Consumption:** Keep an eye on the power usage and make any required adjustments. Even though it's efficient, monitoring total energy consumption is still a smart idea.
- **Evaluate Light Intensity:** Raise the light fixture to lessen intensity if plants begin to stoop too much toward it. On the other hand, if plants exhibit symptoms of a lack of light, reduce it.



CARE & MAINTENANCE

- **Turn Off and Unplug:** To avoid electrical dangers, make sure the light is turned off and unplugged before doing any maintenance or cleaning.
- **Dust the Surface:** To maintain the right light intensity, gently remove dust from the light's surface, paying particular attention to the LED components, using a soft cloth or microfiber towel.
- **Examine the Light Frequently:** Look for indications of wear and tear on a regular basis, such as frayed cables, broken connectors, or fractures in the casing.
- **Clean the Reflectors:** To make sure that dust and debris are not obstructing the light's effectiveness, clean the reflectors on a regular basis. Wipe them with a dry or slightly moist cloth.
- **Check for Moisture:** To avoid electrical problems, even with a damp-rated lamp, make sure it is never exposed to too much moisture or water spray.
- **Test Light Functionality:** Make sure the light is functioning at its best by testing it every few months. Examine the bulbs and connections if the light flickers or goes out.
- **Replace Faulty Bulbs:** If any LED bulbs stop working, replace them or contact the manufacturer for a replacement or warranty repair.
- **Track Plant Response:** Keep a close eye on how your plants are responding to the light on a regular basis. Move the light farther away if they exhibit light burn; if they stretch, they could require additional intensity.
- **Adjust the Height:** To maintain the ideal distance between the light and the plants and ensure balanced

growth, raise or lower the light as your plants get larger.

- **Prevent Overheating:** Check the light's temperature to make sure it isn't overheating. Even though this grow light generates very little heat, it's still a good idea to keep an eye on it.
- **Examine Electrical Connectors:** On a regular basis, look for wear or damage on any power cables and connectors. Any damaged cables should be replaced right away.
- **Employ Surge Protection:** To protect the grow light's electrical components from power spikes that could harm them, plug it into a surge protector.
- **Store Properly:** If you plan to keep the light for a long time, keep it out of direct sunlight, high humidity, and extremely cold or hot temperatures.
- **Examine Warranty:** Make sure you are aware of the manufacturer's return and repair procedures in case of any problems by periodically reviewing the 3-year limited warranty.

TROUBLESHOOTING

Issue	Solution
The light does not turn on	Ensure the light is securely plugged into a working AC outlet.
The light flickers intermittently	Check the power cable for damage or replace the bulb if needed.
The light is too dim	Confirm the light's voltage and wattage specifications match your setup.
The light is overheating	Make sure the light is positioned in a well-ventilated area.
The color temperature appears too warm	Adjust the light distance for better coverage or reduce ambient temperature.
Light does not cover the entire grow area	Use multiple lights or a different size to achieve better coverage.
The light emits a buzzing sound	Ensure the light is firmly mounted and the wiring is intact.
Light output is inconsistent	Try resetting the light or checking the AC source for consistency.
Short lifespan	Check if the light is operated within the recommended hours per day.
The light doesn't work after a power surge	Unplug and wait 10 minutes before turning the light back on.

PROS & CONS

Pros

- Full-spectrum light is ideal for various plant growth stages.
- Efficient 30W power usage with 3700 lumens brightness.
- Lightweight, at just 1.15 pounds, easy to install and use.
- Affordable price for a high-performance grow light.
- Perfect size at 4 feet for larger grow setups.

Cons

- May not cover very large areas compared to other models.
- Lacks adjustable height for more flexible light placement.
- Needs to be plugged in via a standard AC outlet (no battery-powered option).
- 5000K light may be too bright for certain delicate plants.
- Limited warranty period compared to other brands.

WARRANTY

The BoostGro DYGL46BLKS1B Full Spectrum Grow Light comes with a **1-year limited warranty** from the manufacturer, Boost Lighting, Inc. This warranty covers defects in material and workmanship under normal usage. Be sure to check the product manual for full warranty details and terms.

FREQUENTLY ASKED QUESTIONS

What are the dimensions of the BoostGro DYGL46BLKS1B Full Spectrum Grow Light?

The BoostGro DYGL46BLKS1B Full Spectrum Grow Light measures 46 x 3.54 x 1.42 inches, providing ample coverage for a larger growing area or multiple plant setups indoors.

How much does the BoostGro DYGL46BLKS1B Full Spectrum Grow Light weigh?

The BoostGro DYGL46BLKS1B Full Spectrum Grow Light weighs 1.15 pounds, making it lightweight and easy to install above plants or in various grow spaces.

What is the power source for the BoostGro DYGL46BLKS1B Full Spectrum Grow Light?

The BoostGro DYGL46BLKS1B Full Spectrum Grow Light is powered by AC, offering consistent power for long hours of plant lighting, ensuring reliable operation.

What is the wattage of the BoostGro DYGL46BLKS1B Full Spectrum Grow Light?

The BoostGro DYGL46BLKS1B Full Spectrum Grow Light has a wattage of 30 watts, providing enough energy-efficient lighting to support plant growth without high electricity consumption.

What is the brightness of the BoostGro DYGL46BLKS1B Full Spectrum Grow Light?

The BoostGro DYGL46BLKS1B Full Spectrum Grow Light produces a brightness of 3700 lumens, offering powerful illumination that supports photosynthesis and healthy plant growth.

What is the color temperature of the BoostGro DYGL46BLKS1B Full Spectrum Grow Light?

The BoostGro DYGL46BLKS1B Full Spectrum Grow Light features a 5000 Kelvin color temperature, providing cool white light that closely mimics natural daylight, essential for plant health and vitality.

What is the voltage required for the BoostGro DYGL46BLKS1B Full Spectrum Grow Light?

The BoostGro DYGL46BLKS1B Full Spectrum Grow Light operates at 120 volts, making it compatible with standard household outlets in North America for convenient use.

When was the BoostGro DYGL46BLKS1B Full Spectrum Grow Light first available?

The BoostGro DYGL46BLKS1B Full Spectrum Grow Light was first made available on August 27, 2024, giving indoor gardeners a new option for enhancing their plant growth.

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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