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› WOLEZEK 80 LED Full Spectrum Plant Grow Light with Timer and Dimming Functions (Model BL-J20B) User Manual

wolezek BL-J20B

WOLEZEK 80 LED Full Spectrum Plant Grow Light User Manual

Model: BL-J20B

1. INTRODUCTION

The WOLEZEK 80 LED Full Spectrum Plant Grow Light is designed to provide optimal lighting conditions for indoor plants across all growth stages. This device simulates natural sunlight, promoting photosynthesis, germination, flowering, and fruiting, especially in environments with insufficient natural light. Its flexible design and adjustable settings offer versatility for various plant types and setups.



Image 1.1: Example of plants illuminated by the WOLEZEK Grow Light.

2. SAFETY INFORMATION

- Ensure the power adapter is compatible with your local voltage (AC 100-240V).
- Do not expose the grow light to water or high humidity environments.
- Avoid looking directly into the LED lights when they are on, as this may cause eye strain.
- Keep the device out of reach of children and pets.
- Unplug the power adapter before cleaning or performing any maintenance.
- Do not attempt to disassemble or modify the product. Contact customer support for assistance.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x WOLEZEK 40W Plant Grow Light (with 4 heads)
- 1 x Power Adapter

- 1 x User Manual

4. PRODUCT FEATURES

- **Full Spectrum LEDs:** Equipped with 80 LEDs (36 red, 16 blue, 28 warm white) with wavelengths of 630-660 nm, 400-470 nm, and 3500 K to support all plant growth phases.
- **Four Flexible Gooseneck Heads:** Features four adjustable heads with 360-degree flexible goosenecks and a sturdy clip for wide coverage and precise light positioning.
- **Automatic On/Off Timer:** Integrated timer function with settings for 6, 12, or 16 hours, allowing for automatic daily operation.
- **Three Lighting Modes:** Offers Warm White Light Only, Red + Blue Light, and Mixed (Full Spectrum) Light modes.
- **Five Dimming Levels:** Adjustable brightness from 20% to 100% to suit different plant needs and growth stages.
- **Durable Construction:** Made with a PVC tube for enhanced light uniformity and transmission.



Image 4.1: Key components of the grow light.

5. SETUP INSTRUCTIONS

1. **Unpack Components:** Carefully remove all items from the packaging and verify against the 'Package Contents' section.
2. **Attach the Clip:** Securely attach the solid clip to a stable surface, such as a table edge or shelf. Ensure the clip has a firm grip to prevent the light from falling.
3. **Position the Goosenecks:** Adjust the four flexible gooseneck arms to direct light towards your plants. The 360-degree bendable design allows for precise positioning to cover multiple plants or a larger area.
4. **Connect Power:** Insert the USB connector into the provided power adapter. Plug the power adapter into a standard electrical outlet (AC 100-240V).
5. **Initial Power On:** Press the Power Button on the control panel to turn on the light.

6. OPERATING INSTRUCTIONS

The grow light features an inline control panel for easy operation.

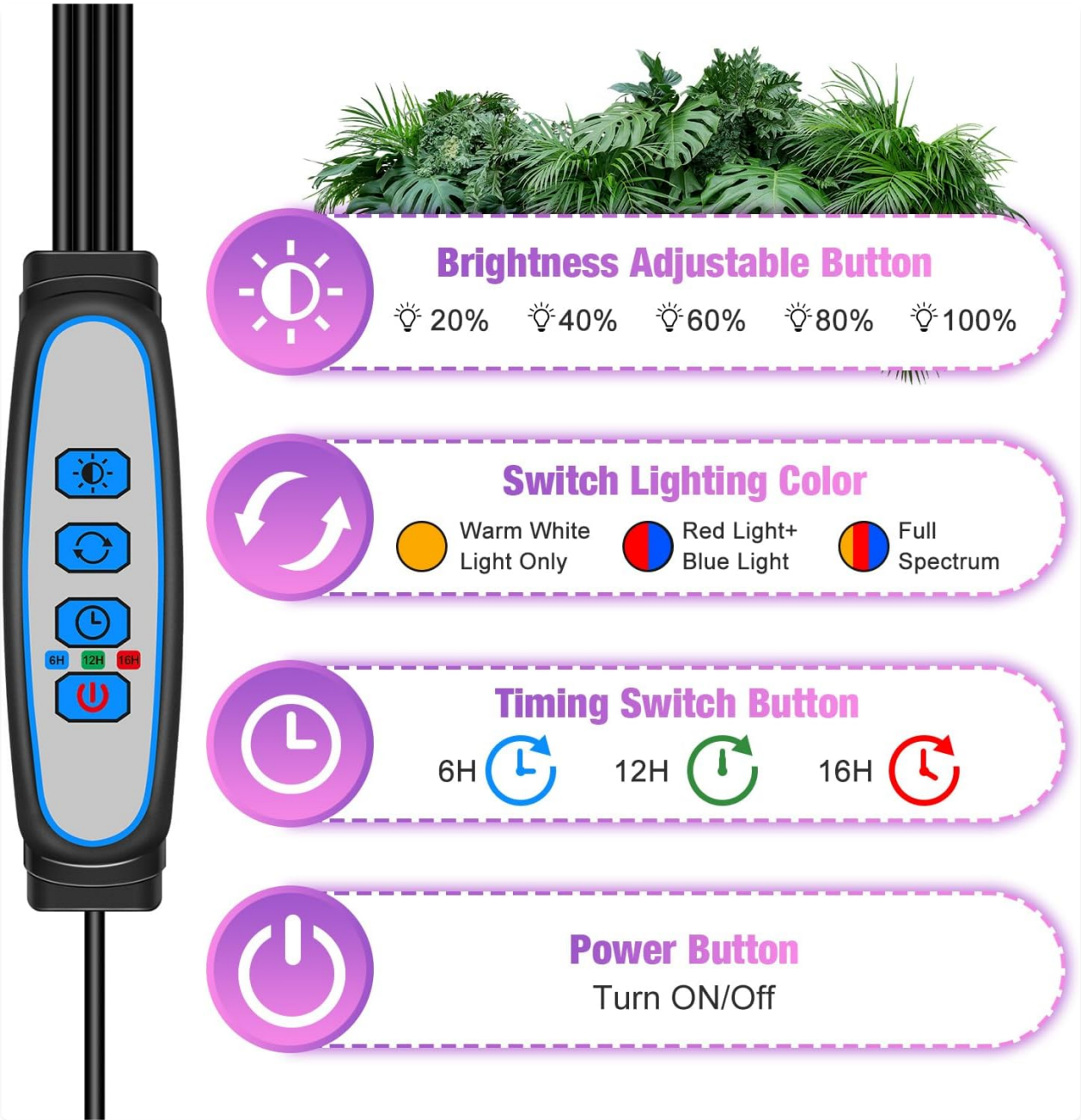


Image 6.1: Control Panel Overview.

6.1. Power On/Off

- Press the **Power Button** (red icon) to turn the light ON or OFF.

6.2. Adjusting Brightness (Dimming)

- Press the **Brightness Adjustable Button** (sun icon) to cycle through 5 dimming levels: 20%, 40%, 60%, 80%, and 100%.

6.3. Switching Lighting Modes

The grow light offers three distinct lighting modes to cater to different plant needs:

- Press the **Switch Lighting Color Button** (arrow icon) to change modes.
- **Warm White Light Only:** Provides 3000K uniform light, suitable for the whole plant growth phase.
- **Red + Blue Light:** Promotes plant germination, seedling growth, flowering, and fruiting.
- **Mixed (Full Spectrum) Light:** Combines red, blue, and warm white LEDs to increase light intensity, enhance photosynthesis, and supplement auxiliary light.

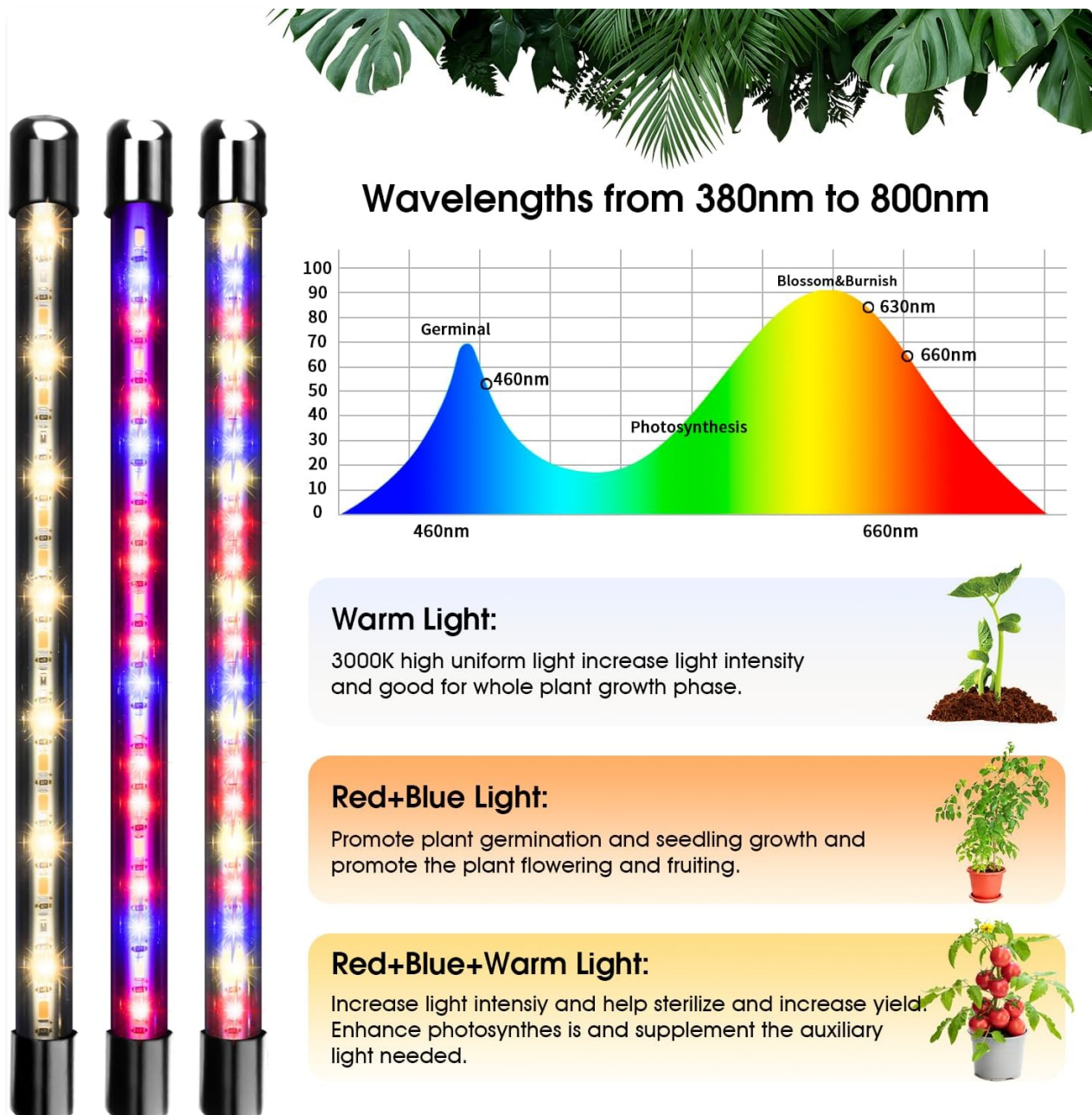


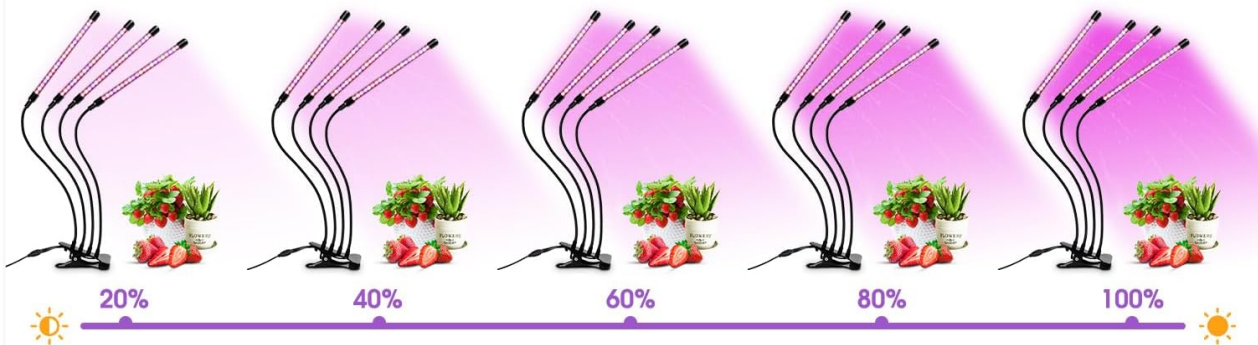
Image 6.2: Light Spectrum and Mode Descriptions.

3 Lighting Modes



5 Dimmable Levels

Levels From 20%-100%



3 Timing Settings



6H



12H



16H



Image 6.3: Visual representation of lighting modes, dimming, and timer settings.

6.4. Setting the Timer

- Press the **Timing Switch Button** (clock icon) to select a timer duration: 6 hours, 12 hours, or 16 hours.
- Once set, the light will automatically turn on and off at the same time each day according to the selected duration.
- To deactivate the timer, press the timer button until no timer indicator light is active.

7. MAINTENANCE

- **Cleaning:** Ensure the device is unplugged before cleaning. Use a soft, dry cloth to wipe the LED tubes and control panel. Do not use liquid cleaners or abrasive materials.
- **Storage:** If not in use for an extended period, unplug the light, clean it, and store it in a cool, dry place away from direct sunlight.
- **Inspection:** Periodically check the power cord and connections for any signs of damage. If damage is found, discontinue use and contact customer support.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Power button not pressed.	Check if the power adapter is securely plugged into the outlet and the USB connector. Press the Power Button on the control panel.
Timer function not working.	Timer not set correctly. Power interruption.	Ensure a timer duration (6H, 12H, or 16H) is selected and its indicator light is on. Reset the timer after any power interruption.
Light intensity is too low/high.	Incorrect dimming level selected.	Press the Brightness Adjustable Button to cycle through the 5 dimming levels until the desired intensity is reached.
Light color is not desired.	Incorrect lighting mode selected.	Press the Switch Lighting Color Button to cycle through the Warm White, Red+Blue, and Mixed (Full Spectrum) modes.

9. SPECIFICATIONS

Feature	Specification
Brand	WOLEZEK
Model Number	BL-J20B
LED Quantity	80 pieces (36 Red, 16 Blue, 28 Warm White)
Wavelengths	Red: 630-660 nm, Blue: 400-470 nm, Warm White: 3500 K
Max Power	40W (Note: Product specifications also list 15 Watts, refer to product packaging for exact rating)
Input Voltage	AC 100-240V
Frequency	50-60 Hz
Cable Length	60 inches (approx. 152 cm)
Dimensions (L x W x H)	10 x 10 x 10 cm (approximate, for main unit)
Weight	760 grams
Material	Iron (base), Plastic (PVC tube)
Certifications	CE, RoHS, FCC
Energy Efficiency Class	F (View EPREL Data)

Note: Some specifications may vary slightly. Refer to the product packaging for the most accurate information.

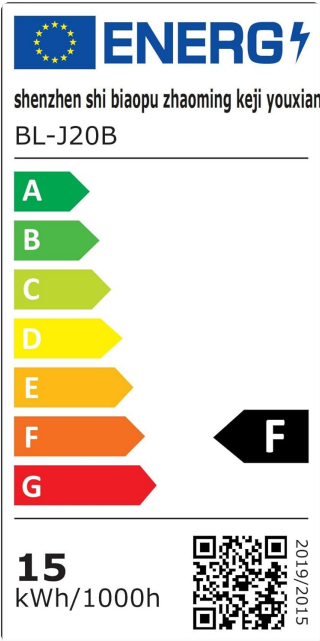


Image 9.1: Energy Label.

Produktdatenblatt			
DELEGIERTE VERORDNUNG (EU) 2019/2015 DER KOMMISSION zur Energieverbrauchskennzeichnung von Lichtquellen			
Name oder Handelsmarke des Lieferanten: shenzhen shi biaopu zhaoming keji youxiangongsi			
Anschrift des Lieferanten: CET PRODUCT SERVICE SP. Z O.O., Ul. Długa 33 102, 95-100 Zgierz po- len, PL			
Modellkennung: BL-J20B			
Art der Lichtquelle:			
Verwendete Beleuchtungstech- nologie:	LED	Ungebündelt oder gebündelt:	DLS
Art des Sockels der Lichtquelle (oder andere elektrische Schnittstelle)	/		
Netzspannung/Nicht direkt an die Netzspannung angeschlos- sen:	MLS	Vernetzte Lichtquel- le (CLS):	Ja
Farblich abstimmbare Licht- quelle:	Nein	Hülle:	-
Lichtquelle mit hoher Leucht- dichte:	Nein		
Blendschutzschild:	Nein	Dimmbar:	Nein
Produktparameter			
Parameter	Wert	Parameter	Wert
Allgemeine Produktparameter:			
Energieverbrauch im Ein-Zu- stand (kWh/1000 h), auf die nächstliegende ganze Zahl ge- rundet	15	Energieeffizienzklas- se	F
Nutzlichtstrom (ϕ_{use}) mit An- gabe, ob sich der Wert auf den Lichtstrom in einer Kugel (360°), in einem breiten Kegel (120°) oder in einem schmalen Kegel (90°) bezieht	1 100 in brei- ter Kegel (120°)	ähnliche Farbtem- peratur, gerundet auf die nächst- liegenden 100 K, oder Spanne der einstellbaren ähnli- chen Farbtempera- turen, gerundet auf die nächstliegenden 100 K	3 000
Leistungsaufnahme im Ein-Zu- stand (P_{on}) in W	15,0	Leistungsaufnahme im Bereitschaftszu- stand (P_{so}) in W, auf die zweite Dezimal- stelle gerundet	-
Leistungsaufnahme im vernetz- ten Bereitschaftsbetrieb (P_{net}) in W, auf die zweite De-	-	Farbwiedergabein- dex, auf die nächstliegende gan-	80

für CLS in W, auf die zweite Dezimalstelle gerundet			nachstehende ganze Zahl gerundet, oder Spanne der einstellbaren CRI-Werte	
äußere Abmessungen, ggf. ohne separates Betriebsgerät, Beleuchtungssteuerungsteile und Nicht-Beleuchtungsteile (Millimeter)	Höhe	1 000	Spektrale Strahlungsverteilung im Bereich 250 nm bis 800 nm bei Vollast	Siehe Bild auf letzter Seite
	Breite	100		
	Tiefe	100		
Angabe zu einer gleichwertigen Leistungsaufnahme ^(a)		-	Falls ja, gleichwertige Leistungsaufnahme (W)	-
			Farbwertanteile (x und y)	0,450 0,407
Parameter für Lichtquellen mit gebündeltem Licht:				
Spitzenlichtstärke (cd)		1 032	Halbwertswinkel in Grad oder Spanne der einstellbaren Halbwertswinkel	180
Parameter für LED- und OLED-Lichtquellen:				
Wert des R9-Farbwiedergabeindex		0	Lebensdauerfaktor	1,00
Lichtstromerhalt		0,96		
Parameter für LED- und OLED-Netzspannungslichtquellen:				
Verschiebungsfaktor (cos ϕ 1)		0,90	Farbkonsistenz in MacAdam-Ellipsen	4
Angabe, dass eine LED-Lichtquelle eine Leuchtstofflichtquelle ohne eingebautes Vorschaltgerät mit einer bestimmten Leistungsaufnahme ersetzt.		„(b)“	Falls ja, Angabe zur ersetzten Leistungsaufnahme (W)	-
Flimmer-Messgröße (Pst LM)		0,1	Messgröße für Stroboskop-Effekte (SVM)	0,0
^(a) „-“: nicht zutreffend; ^(b) „-“: nicht zutreffend;				

Image 9.2: Product Data Sheet.

10. WARRANTY AND SUPPORT

WOLEZEK offers dedicated customer support. If you encounter any issues with your product or are not satisfied, please contact us directly through the Amazon platform. Our customer service team is available 24/7 to provide assistance and ensure a satisfactory resolution.