

GRV A60 (E26-9WCCT002)

GRV Smart A60 LED Light Bulb User Manual

Model: A60 (E26-9WCCT002)

1. INTRODUCTION

Thank you for choosing the GRV Smart A60 LED Light Bulb. This product combines energy efficiency with advanced features, including dimmable brightness, adjustable color temperature, and remote control operation. This manual provides essential information for the safe and effective use of your new smart light bulb.

2. SAFETY INFORMATION

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

- Ensure the power is turned off at the main circuit breaker before installing or removing the bulb.
- This bulb is designed for **indoor use only**. Do not expose to water or high humidity.
- Do not disassemble or modify the bulb. There are no user-serviceable parts inside.
- Do not use with standard dimmer switches. This bulb is dimmable only via its dedicated remote control or compatible app.
- Avoid looking directly into the light source when it is on, as it may cause eye strain.
- Keep out of reach of children.



Figure 2.1: Product packaging displaying safety warnings and recycling information. Ensure to follow all local regulations for electrical equipment disposal.

3. SETUP

3.1. Unpacking

Carefully remove the GRV Smart A60 LED Light Bulb and its remote control from the packaging. Inspect for any visible damage. If any components are damaged, do not proceed with installation and contact customer support.

3.2. Installation

1. Ensure the power to the light fixture is turned off at the wall switch or circuit breaker.
2. Screw the GRV Smart A60 LED Light Bulb into a standard E26 (or E27) light socket. Do not overtighten.
3. Restore power to the light fixture. The bulb should light up.

3.3. Remote Control Pairing

The bulb and remote control are typically pre-paired from the factory. If the remote does not control the bulb, follow these steps to pair them:

- Ensure the bulb is powered on.
- Within 5 seconds of turning the bulb on, press and hold the 'On' button on the remote control until the bulb flashes, indicating successful pairing.
- If you have multiple bulbs, you can assign them to different groups (Group 1 or Group 2) using the respective buttons on the remote.



Figure 3.1: The GRV Smart A60 LED Light Bulbs and their accompanying 2.4GHz remote control.

4. OPERATING INSTRUCTIONS

The GRV Smart A60 LED Light Bulb offers versatile lighting options controlled by the included remote or a compatible mobile application.

4.1. Power On/Off

Press the 'On' or 'Off' button on the remote control to toggle the light bulb's power state. The bulb will retain its last settings when turned off and on again.

4.2. Brightness Adjustment (Dimming)

Use the brightness increase (+) and decrease (-) buttons on the remote to adjust the light intensity from 1% to 100%. This allows you to set the perfect ambiance for any activity.

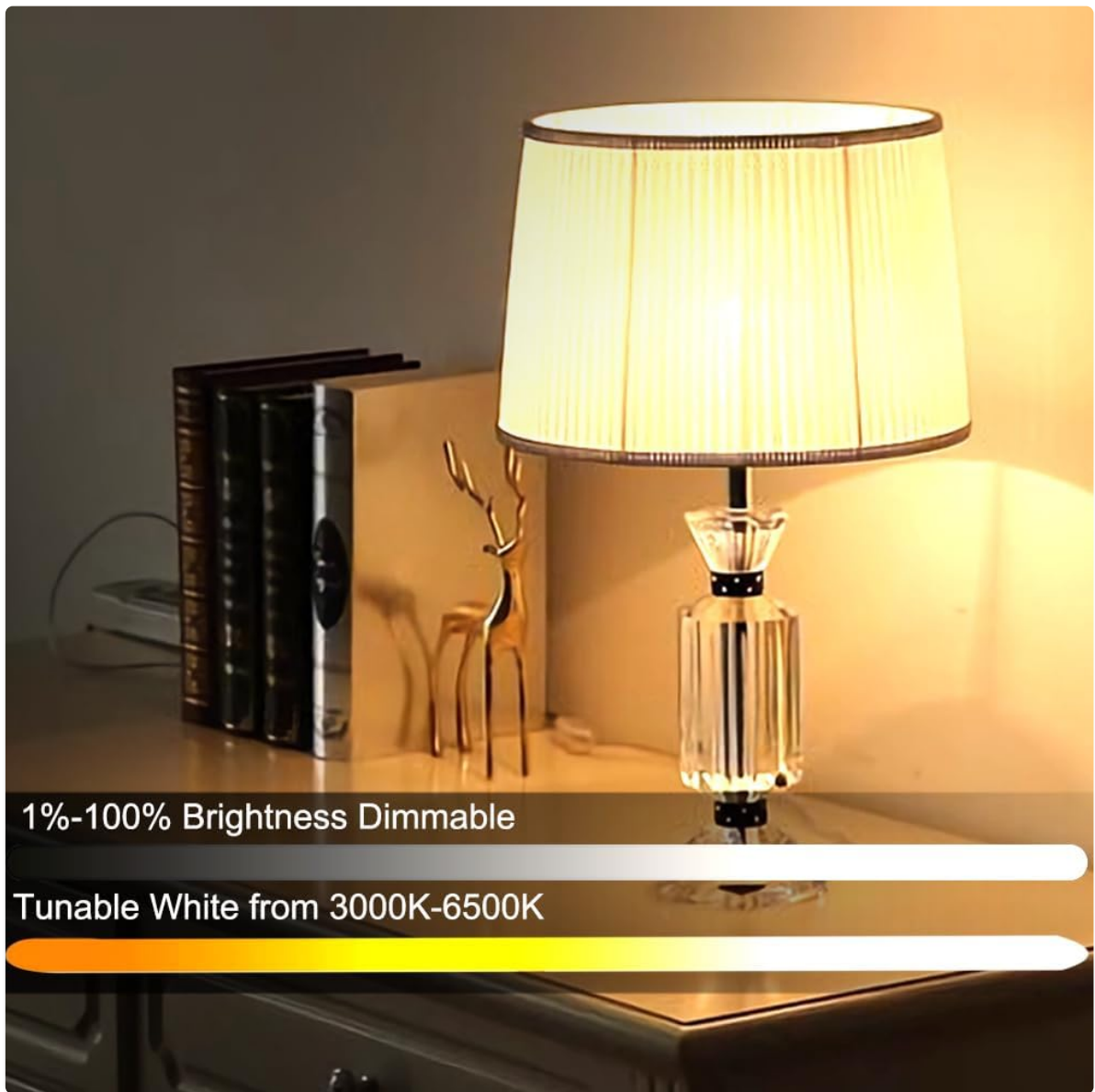


Figure 4.1: The bulb's brightness can be smoothly adjusted from 1% to 100%, and the color temperature can be tuned from warm white (3000K) to cool white (6500K).

4.3. Color Temperature Adjustment

Adjust the color temperature using the CCT (+) and CCT (-) buttons on the remote. You can select a range from warm white (3000 Kelvin) for a cozy atmosphere to cool white (6500 Kelvin) for bright, task-oriented lighting.

4.4. Timer Function

The remote control includes a 1-hour timer button. Pressing this button will set the bulb to automatically turn off after one hour. This feature is useful for bedtime or temporary lighting needs.

1 Hour Timer

After 1 hour, the light will automatically turn off.



Figure 4.2: The 1-hour timer function automatically turns off the light after the set duration, ideal for convenience.

4.5. Remote Control Functions Overview

The remote control provides comprehensive control over your GRV Smart A60 LED Light Bulb. Refer to the diagram below for a detailed layout of its functions:

Portable remote control(without battery)

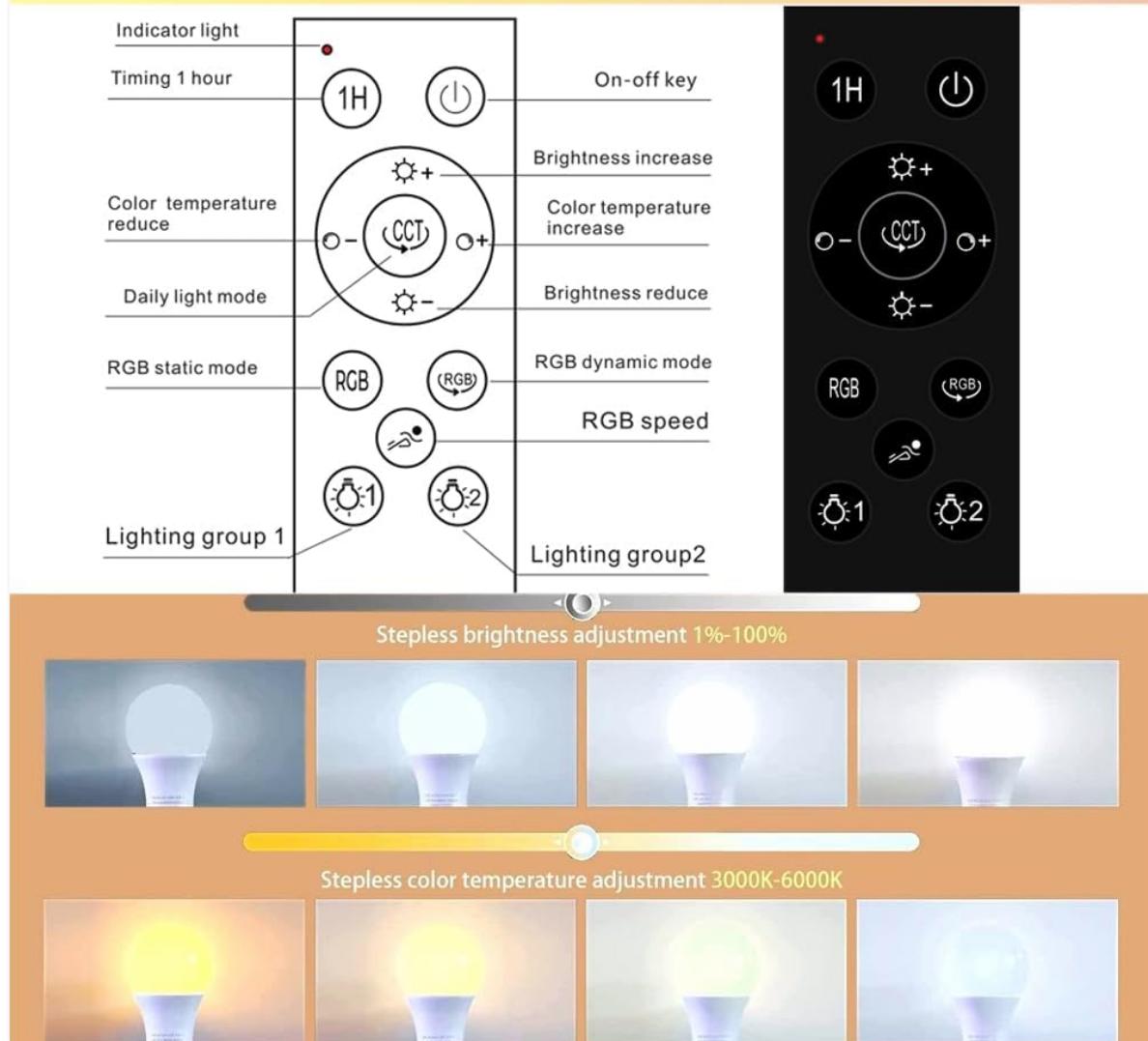


Figure 4.3: Detailed diagram of the remote control buttons, including power, timer, brightness, color temperature, and group controls. Examples of stepless brightness and color temperature adjustments are also shown.

- **1H (Timer):** Activates the 1-hour auto-off timer.
- **On/Off Key:** Toggles the bulb's power.
- **Brightness Increase/Decrease:** Adjusts light intensity.
- **Color Temperature Reduce/Increase:** Changes the light from warm to cool white.
- **Daily Light Mode:** Sets the bulb to a standard, comfortable white light.
- **RGB Static Mode:** (If applicable to your model) Activates static RGB colors.
- **RGB Dynamic Mode:** (If applicable to your model) Activates dynamic RGB color changes.
- **RGB Speed:** (If applicable to your model) Adjusts the speed of dynamic RGB modes.
- **Lighting Group 1/2:** Allows control of multiple bulbs in designated groups.

4.6. App Control

The GRV Smart A60 LED Light Bulb also supports control via a mobile application. Please refer to the app's instructions for download and setup. The app typically offers similar functionalities to the remote control, including dimming, color temperature adjustment, and potentially additional features like scheduling and scene modes.



Figure 4.4: The smart bulb can be controlled via the physical remote control or a dedicated mobile application, offering flexibility in managing your lighting.

5. MAINTENANCE

5.1. Cleaning

To clean the bulb, ensure it is turned off and cool. Gently wipe the surface with a soft, dry cloth. Do not use liquid cleaners or abrasive materials, as they may damage the bulb.

5.2. Storage

If storing the bulb for an extended period, keep it in its original packaging in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your GRV Smart A60 LED Light Bulb, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Bulb does not light up.	No power to the fixture; Bulb not screwed in properly; Bulb is faulty.	Check power supply; Ensure bulb is securely screwed in; Test bulb in another working fixture.
Remote control not working.	Remote battery low/dead; Remote not paired with bulb; Obstruction between remote and bulb.	Replace remote battery; Re-pair the remote (see Section 3.3); Ensure clear line of sight.
Bulb flickers.	Incompatible dimmer switch (if used); Loose connection; Power fluctuations.	Ensure no standard dimmer switch is used; Check bulb connection; Consult an electrician for power issues.
Cannot change brightness/color.	Remote not paired; Remote out of range.	Re-pair the remote; Move closer to the bulb.

7. SPECIFICATIONS

The following table details the technical specifications of the GRV Smart A60 LED Light Bulb:

Feature	Specification
Model	A60 (E26-9WCCT002)
Base Type	E26 (compatible with E27)
Input Voltage	AC100-240V (120V AC specified)
Power Consumption	9W
Incandescent Equivalent	80W (as per feature bullets), 60W (as per specifications)
Luminous Flux	Approx. 830 Lumens
Color Temperature (CCT)	3000K - 6500K (Tunable White)
Color Rendering Index (CRI)	80+
Beam Angle	270 degrees
Lifespan	Approx. 30,000 hours
Dimensions (Max Diameter x Length)	2.36 inches (5.99 cm) x 4.4 inches (11.23 cm)
Weight	117.93 grams
Special Features	Dimmable, Color Changing, Remote Control, Timer Function
Manufacturer	ShenZhen GaoLiuMing Light & Electricity Technology Co., Ltd



Figure 7.1: Visual representation of the A60 LED Light Bulb, detailing its dimensions and key features such as dimmability, E26 base, long life, color temperature range, lumen output, wide voltage compatibility, and control options.

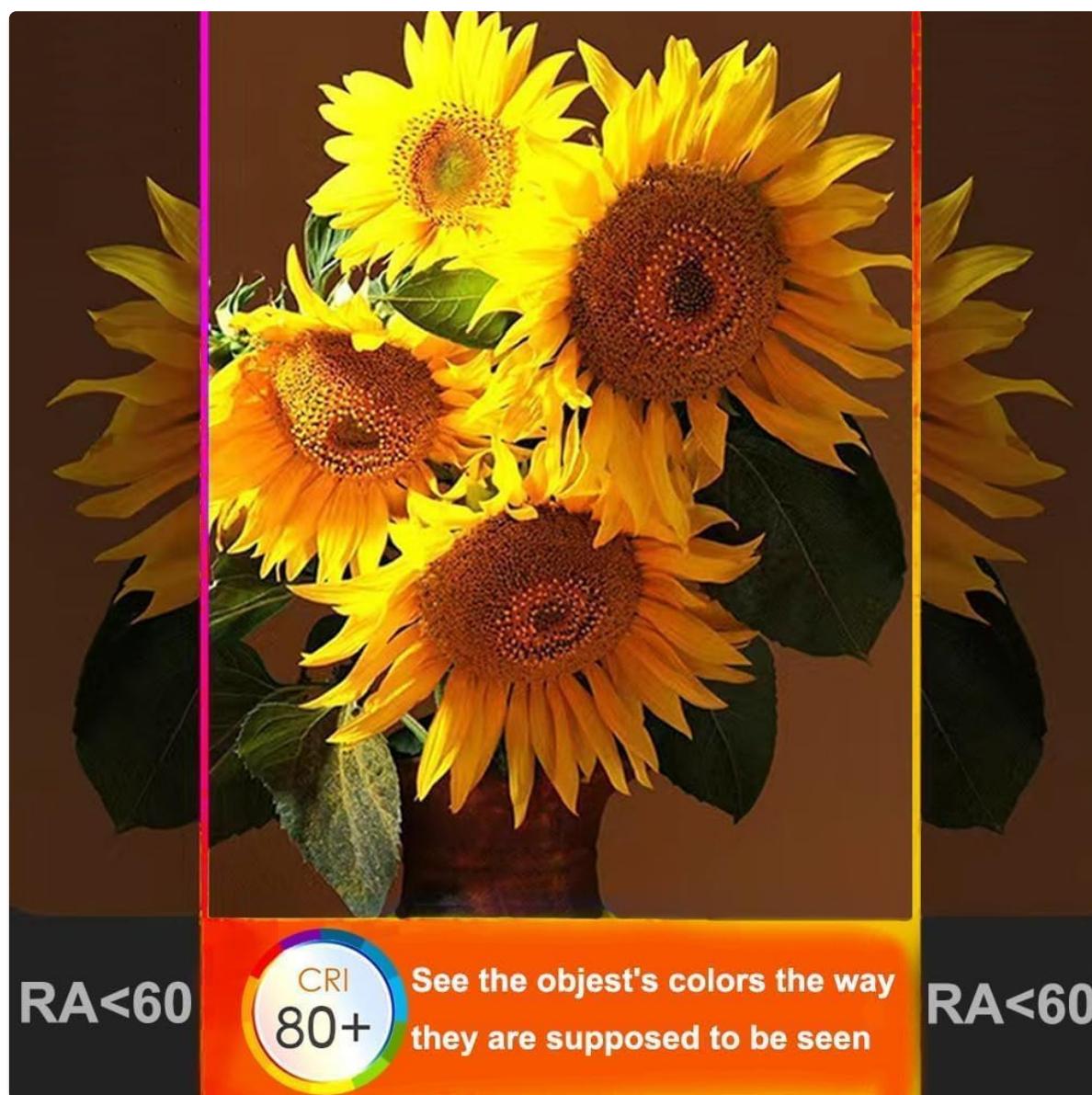


Figure 7.2: The bulb's high Color Rendering Index (CRI) of 80+ ensures that objects' colors are seen accurately and vibrantly under its light.

Fiche d'information sur le produit			
RÈGLEMENT DÉLÉGUÉ (UE) 2019/2015 DE LA COMMISSION en ce qui concerne l'étiquetage énergétique des sources lumineuses			
Nom du fournisseur ou marque commerciale: GRV			
Adresse du fournisseur: Outong GmbH, Brehmstr.56, Duesseldorf 40239, DE			
Référence du modèle: 9WCCTDA60(9WCCTRGB,9WCCTDA)			
Type de source lumineuse:			
Technologie d'éclairage utilisée:	LED	Non-dirigée ou dirigée:	NDLS
Type de culot de la source lumineuse (ou d'autre interface électrique)	E27		
Secteur ou non secteur:	MLS	Source lumineuse connectée (SLC):	Non
Source lumineuse réglable en couleur:	Non	Enveloppe:	-
Source lumineuse à luminance élevée:	Non		
Protection anti-éblouissement:	Non	Utilisation avec un variateur:	Oui
Paramètres du produit			
Paramètre	Valeur	Paramètre	Valeur
Paramètres généraux du produit:			
Consommation d'énergie en mode marche (kWh/1000 h), arrondie à l'entier supérieur le plus proche	9	Classe d'efficacité énergétique	F
Flux lumineux utile (φ _{use}), avec indication qu'il se réfère au flux dans une sphère (360°), dans un cône large (120°) ou dans un	800 sur Sphère (360°)	Température de couleur proximale, arrondie à la centaine de K la plus	3000...6500

cône étroit (90°)			proche, ou la plage de températures de couleur proximales qui peuvent être réglées	
Puissance en mode «marche» (P_{on}), exprimée en W		8,9	Puissance en mode veille (P_{off}), exprimée en W et arrondie à la deuxième décimale	0,00
Puissance en mode veille (P_{off}), pour SLC, exprimée en W et arrondie à la deuxième décimale		-	Indice de rendu des couleurs, arrondi à l'entier le plus proche, ou la plage de valeurs d'IRC qui peuvent être réglées	82
Dimensions extérieures en mm, sans appareillage de commande séparé, éléments de régulation de l'éclairage ni éléments sans fonction d'éclairage (le cas échéant)	Hauteur	115	Distribution de la puissance spectrale dans la plage de 250 nm à 800 nm, à pleine charge	Voir l'image de la page précédente
	Largeur	60		
	Profondeur	60		
Déclaration de puissance équivalente ^{a)}		-	Si oui, puissance équivalente (W)	-
			Coordonnées chromatiques (x et y)	0,304 0,322
Paramètres pour les sources lumineuses LED et OLED:				
R9 valeur de l'indice de rendu des couleurs		2	Facteur de survie	1,00
Facteur de conservation du flux lumineux		0,94		
Paramètres pour les sources lumineuses secteur LED et OLED:				
Facteur de déphasage ($\cos \phi$)		1,00	Constance des couleurs dans les ellipses de MacAdam	5
Déclaration qu'une source lumineuse LED remplace une source lumineuse fluorescente sans ballast intégré d'une puissance en watts particulière		- ^{b)}	Si oui, déclaration relative au remplacement (W)	-
Mesure du papillotement (Pst LM)		0,1	Mesure de l'effet stroboscopique (SVM)	0,1

a) : sans objet;

b) : sans objet;

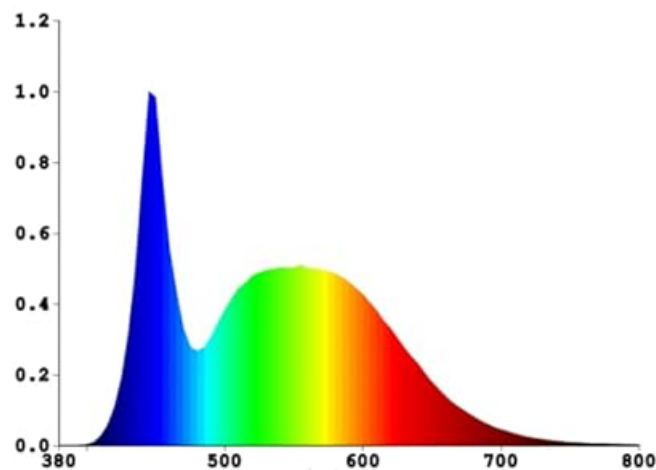


Figure 7.3: Official product information sheet detailing various technical parameters and compliance information. For more details, refer to the EPREL database: <https://eprel.ec.europa.eu/qr/2121953>

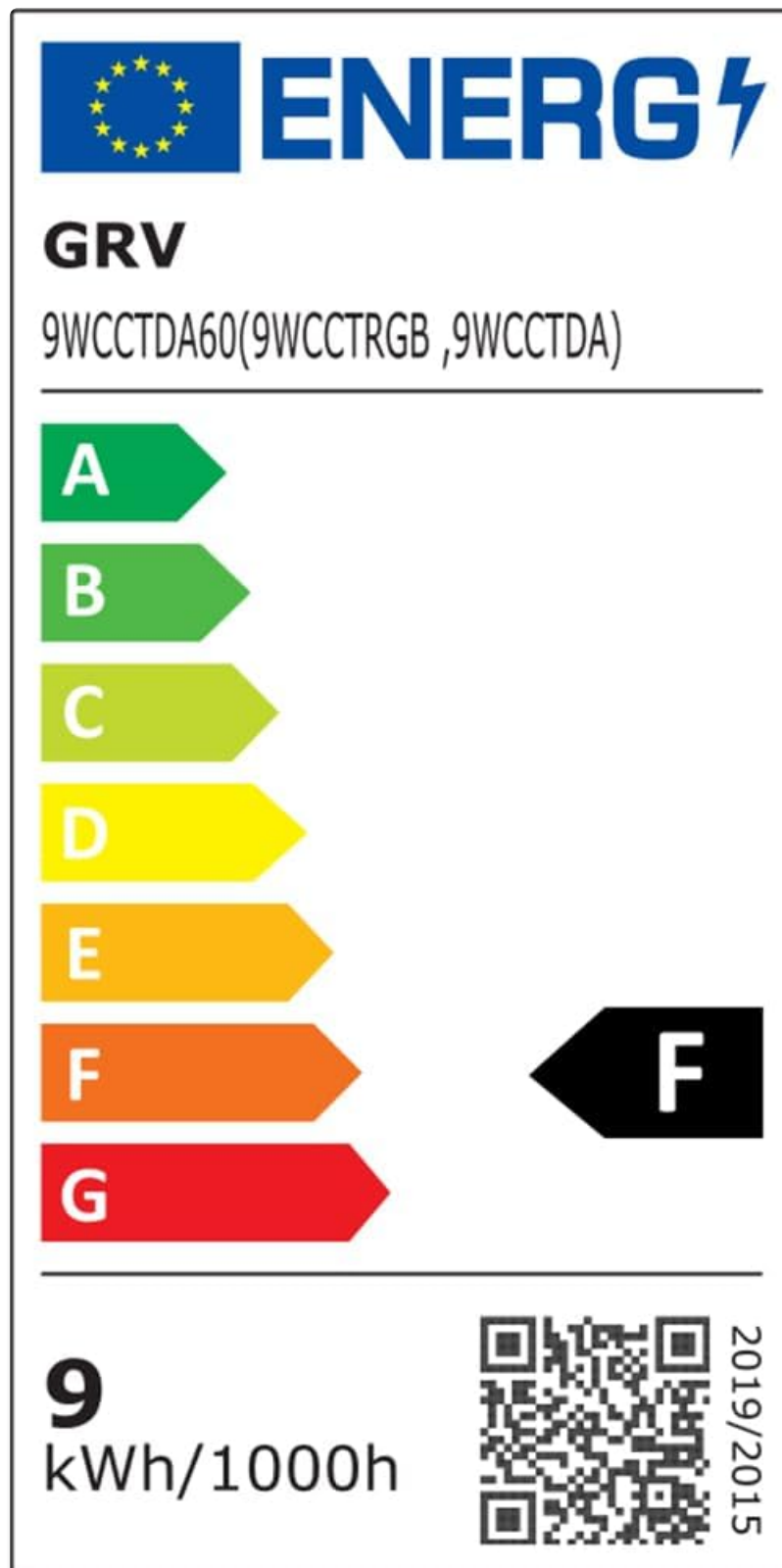


Figure 7.4: The energy label indicates the bulb's energy efficiency class and power consumption. For more details, refer to the EPREL database: <https://eprel.ec.europa.eu/qr/2121953>

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the seller directly. Keep your proof of purchase for any warranty claims.

9. DISPOSAL INFORMATION

This product contains electronic components and should not be disposed of with household waste.

Please follow local regulations for the proper disposal of electronic products. Look for recycling symbols on the packaging, such as the crossed-out wheeled bin, indicating that the product should be taken to a designated collection point for electrical and electronic equipment.