

Aigostar PLC 2U 15W G24d-3

Aigostar LED PLC G24d-3 15W Bulb User Manual

Model: PLC 2U 15W G24d-3

INTRODUCTION

This manual provides essential information for the safe and efficient use of your Aigostar LED PLC G24d-3 15W bulbs. Please read these instructions carefully before installation and retain them for future reference.

SAFETY INSTRUCTIONS

- **Power Off:** Always ensure the power supply is switched off at the mains before installing, removing, or cleaning the bulb.
- **Correct Base:** Use only in fixtures designed for G24d-3 bi-pin bases. Incorrect base types can cause damage or electrical hazards.
- **Non-Dimmable:** This bulb is non-dimmable. Do not use with dimmer switches, as this may damage the bulb and void the warranty.
- **Indoor Use Only:** Designed for indoor applications. Do not expose to moisture or outdoor elements.
- **Ventilation:** Ensure adequate ventilation around the bulb to prevent overheating.
- **Disposal:** Dispose of LED bulbs according to local regulations. Do not dispose of with general household waste.
- **Children:** Keep out of reach of children.

PRODUCT OVERVIEW

The Aigostar LED PLC G24d-3 15W bulb is an energy-efficient lighting solution designed for various indoor applications. It features a long lifespan and provides neutral white light (4000K) with high color rendering.

Parameter Information



WAttage
15w



Equivalent to
101W



Brightness
1540LM



Non-Dimmable
Light

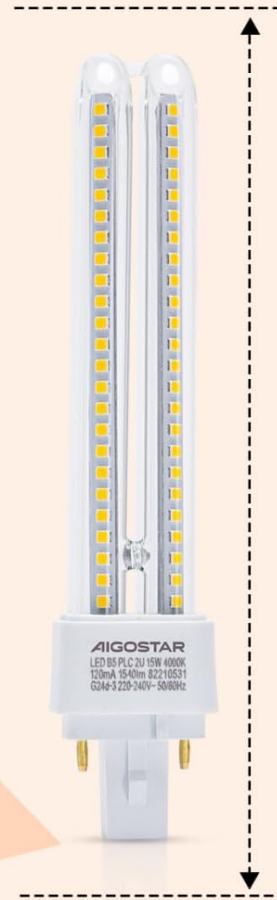


Neutral White
4000K



BASE G24d-3

3.4CM



17CM

Image: Key parameters of the Aigostar LED PLC G24d-3 15W bulb, including 15W wattage, 101W incandescent equivalent, 1540 lumens brightness, non-dimmable feature, neutral white 4000K color temperature, and G24d-3 base type. Dimensions are shown as 3.4cm width and 17cm height.

- **Long Lifespan:** Semiconductor light-emitting chip design ensures a long operational life of up to 15,000 hours, reducing the frequency of replacements.
- **Energy Efficient:** Consumes significantly less electricity compared to traditional bulbs, contributing to energy savings.
- **Easy Installation:** Standard G24d-3 base allows for instant, flicker-free, and hum-free illumination.
- **Wide Application:** High-quality glass with a 360° beam angle, suitable for downlights, table lamps, and various commercial, industrial, and home lighting environments.
- **High Performance:** Features a Color Rendering Index (CRI) of >80 for accurate color perception, short-circuit protection, high-temperature protection, and durable heat-resistant PC material.

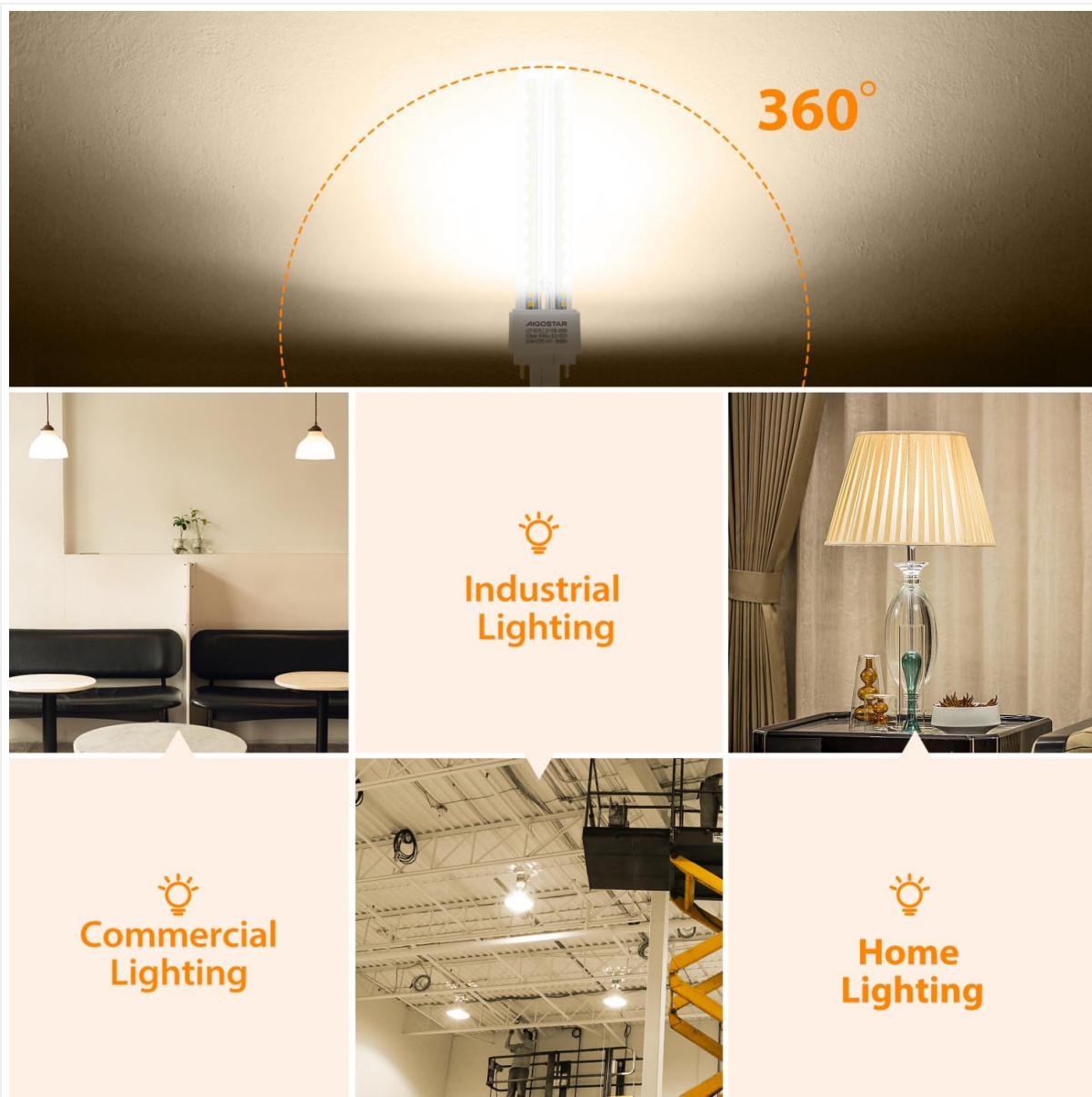


Image: Examples of the Aigostar LED PLC G24d-3 15W bulb's application in various settings, including industrial, commercial, and home lighting, demonstrating its 360-degree light distribution.

SETUP (INSTALLATION)

1. **Turn Off Power:** Before starting, ensure the electrical power to the fixture is completely turned off at the circuit breaker or fuse box.
2. **Remove Old Bulb:** Carefully remove the existing bulb from the fixture. Allow it to cool if it was recently in use.
3. **Insert New Bulb:** Align the G24d-3 bi-pin base of the Aigostar LED bulb with the socket in the fixture. Gently push and twist until the bulb is securely seated. Do not force the bulb into the socket.
4. **Restore Power:** Once the bulb is securely installed, restore power to the fixture at the circuit breaker.
5. **Test:** Turn on the light switch to confirm proper operation.

OPERATING

The Aigostar LED PLC G24d-3 15W bulb operates as a standard light source. Simply use the wall switch or fixture switch to turn the light on or off. This bulb is non-dimmable and should not be used with dimmer

switches.

Flickr free-protect your eyesight effectively



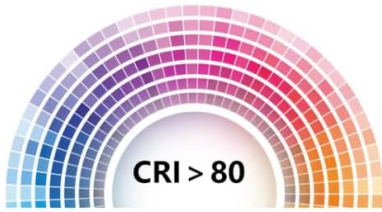
 **AIGOSTAR** (NO flicker)



 **Ordinary Bulb** (Frequent flicker)



Image: Comparison illustrating the flicker-free operation of Aigostar LED bulbs versus the frequent flicker of ordinary bulbs, highlighting eye protection benefits.



CLOSE TO SUNLIGHT

Give Your Home More Color

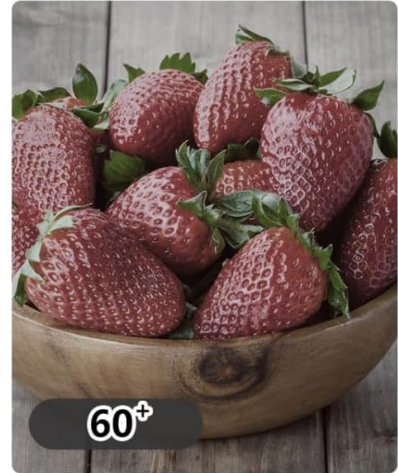


Image: Illustration of the Color Rendering Index (CRI) of the Aigostar LED bulb, showing CRI > 80, which provides colors close to natural sunlight for enhanced visual accuracy.

MAINTENANCE

- **Cleaning:** Ensure the power is off and the bulb is cool before cleaning. Wipe the bulb with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Replacement:** Due to the long lifespan of LED bulbs, frequent replacement is not expected. When replacement is necessary, follow the installation steps outlined in the "Setup" section.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Bulb does not light up.	<ul style="list-style-type: none"> No power to the fixture. Bulb not properly seated. Faulty bulb. Incorrect base type. 	<ul style="list-style-type: none"> Check circuit breaker and wall switch. Ensure bulb is securely inserted into the G24d-3 socket. Try a different, known-working bulb in the same fixture. Verify the fixture requires a G24d-3 base.
Bulb flickers or hums.	<ul style="list-style-type: none"> Used with a dimmer switch. Incompatible fixture. 	<ul style="list-style-type: none"> This bulb is non-dimmable. Remove from dimmer circuit. Ensure the fixture is compatible with non-dimmable LED PLC bulbs.

SPECIFICATIONS

Feature	Detail
Brand	Aigostar
Model Name	Aigostar PLC 2U 15W G24 Neutralweiß
ASIN	B097RC3X8M
Bulb Type	LED
Bulb Shape	PLC 2U
Base Type	G24d-3 bi-pin
Wattage	15 Watts
Incandescent Equivalent	101 Watts
Luminous Flux	1540 Lumens
Color Temperature	4000 Kelvin (Neutral White)
Color Rendering Index (CRI)	>80
Voltage	220-240 Volts, 50 Hertz
Dimmable	No (Non-Dimmable)
Lifespan	Up to 15,000 hours
Material	Plastic, Glass
Dimensions (L x W x H)	3.4 x 3.4 x 17 cm (approx. per bulb)
Energy Efficiency Class	F (New EU standard, equivalent to old A+)
Indoor/Outdoor Use	Indoor

Feature	Detail
Country of Origin	China

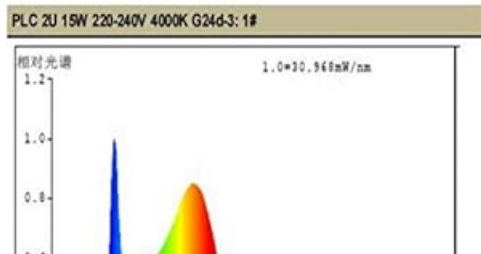
Fiche d'information sur le produit			
RÈGLEMENT DÉLÉGUÉ (UE) 2019/2015 DE LA COMMISSION en ce qui concerne l'étiquetage énergétique des sources lumineuses			
Nom du fournisseur ou marque commerciale: AIGOSTAR			
Adresse du fournisseur: ITALIA MARKET SRL, Via delle Industrie 20883 MB 9/1 Italy city MEZZAGO			
Référence du modèle: PLC ZU 15W 220-240V 4000K G24d-3			
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)	G24d-3		
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:	Non
Paramètres du produit			
Paramètre	Valeur	Paramètre	Valeur
Paramètres généraux du produit:			
Consommation d'énergie en mode marche (kWh/1000h), arrondie à l'entier supérieur le plus proche	15	Classe d'efficacité énergétique	F
Flux lumineux utile (flux), avec indication qu'il se réfère au flux dans une sphère (360°), dans un cône large (120°) ou dans un cône étroit (90°)	1 540 sur Sphère (360°)	Température de couleur proximale, arrondie à la centaine de K la plus proche, ou la plage de températures de couleur proximales qui peuvent être réglées	4 000
Puissance en mode «marche» (P _{on}), exprimée en W	15,0	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	80

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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	170	de valeurs d'IRC qui peuvent être réglées	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	34			
	Profondeur	34			
Déclaration de puissance équivalente ¹⁾	Oui	Si oui, puissance équivalente (W)	101		
		Coordonnées chromatiques (x et y)	0,380	0,380	
Paramètres pour les sources lumineuses LED et OLED:					
R9 valeur de l'indice de rendu des couleurs	1	Facteur de survie	0,90		
Facteur de conservation du flux lumineux	0,96				
Paramètres pour les sources lumineuses secteur LED et OLED:					
Facteur de déphasage (cos φ1)	0,70	Constance des couleurs dans les ellipses de MacAdam	6		
Déclaration qu'une source lumineuse LED remplace une source lumineuse fluorescente sans ballast intégré d'une puissance en watts particulière	- ²⁾	Si oui, déclaration relative au remplacement (W)	-		
Mesure du papillotement (Pst LM)	1,0	Mesure de l'effet stroboscopique (SVM)	0,9		

¹⁾: sans objet;
²⁾: sans objet;

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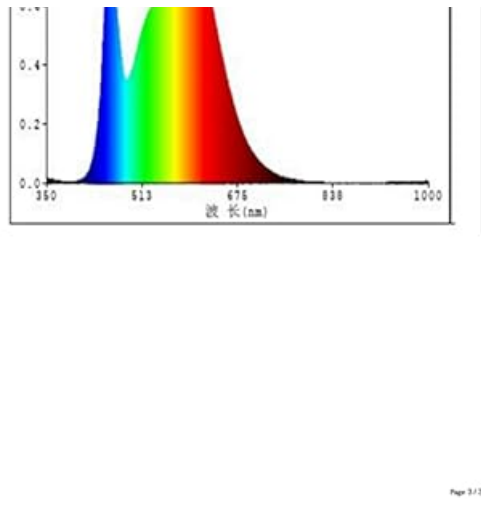


Image: The EU Energy Label for the Aigostar PLC 2U 15W G24d-3 LED bulb, showing an energy efficiency class of F under the new 2019/2015 regulations. Click the image to view the product on the EPREL database.

WARRANTY AND SUPPORT

Aigostar products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or customer service, please refer to the contact details provided on the product packaging or visit the official Aigostar website. Please retain your proof of purchase for warranty claims.