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Aigostar A5 A60 E27 8W

Aigostar E27 8W LED Bulb User Manual

Model: A5 A60 E27 8W

1. Introduction

Thank you for choosing Aigostar E27 8W LED Bulbs. This manual provides important information regarding the installation, operation, maintenance, and safety of your new LED bulbs. Please read this manual thoroughly before use and retain it for future reference.



Figure 1.1: A pack of five Aigostar E27 8W LED bulbs, showcasing their standard shape and E27 screw base.

2. Safety Information

Always follow basic safety precautions when using electrical products to reduce the risk of fire, electric shock, and personal injury.

- Ensure the power is turned off before installing or removing the bulb.
- Do not use with dimmers, as these bulbs are non-dimmable.
- Do not disassemble or modify the bulb.
- Avoid touching the bulb immediately after use, as it may be hot.
- Use only in dry locations. Not suitable for enclosed fixtures unless specified.
- Keep out of reach of children.

For information on recycling and cleaning broken bulbs, please refer to theRecycling and Disposal section.

3. Product Overview and Features

The Aigostar E27 8W LED bulb is designed for efficient and long-lasting illumination. Key features include:

- **Instant Illumination:** Provides full brightness immediately upon switching on, unlike traditional energy-saving bulbs.
- **High CRI (Color Rendering Index):** With a CRI of 80+, these bulbs emit a broader color spectrum, rendering colors more accurately and vibrantly compared to traditional LEDs.
- **Long Lifespan:** Engineered for durability, offering a lifespan between 25,000 and 50,000 hours with stable light intensity throughout.
- **Energy Saving:** Consumes significantly less energy (60% to 90% less) than conventional bulbs, leading to reduced electricity bills.
- **Cool White Light:** Produces a cool white light at 6400K, ideal for environments requiring bright, energizing illumination.
- **No Flicker:** Designed to provide stable light output without visible flickering, enhancing visual comfort.



Figure 3.1: Detailed view of the bulb showing its 8W power, E27 base, 6400K color temperature, and 680 lumens output, along with physical dimensions (60mm diameter, 108mm height).



Figure 3.2: Illustration of the High Color Rendering Index (CRI 80+) feature, demonstrating how the bulb helps colors appear more vivid and true to life.



Figure 3.3: The "No Flicker" feature ensures stable and comfortable lighting, as demonstrated by the absence of flickering when viewed through a phone camera.

Figure 3.4: The bulb's energy efficiency rating, highlighting its low power consumption and environmental benefits.

4. Specifications

Attribute	Value
Brand	Aigostar
Model	A5 A60 E27 8W
Product Dimensions	6 x 6 x 10.8 cm
Weight	220 grams (for 5 bulbs)
Quantity	5 bulbs per pack
Style	8W
Color	White
Shape	Balloon
Voltage	230 Volts
Bulb Type	LED
Bulb Base	E27
Luminous Flux	680 lm
Wattage	8.00 Watts
Color Temperature	6400 Kelvin (Cool White)
Average Lifespan	25,000 Hours
Dimmable	No
Energy Efficiency Rating	F (as per new EU standard)

For detailed energy information, please refer to the official EU EPREL database: https://eprel.ec.europa.eu/qr/982390



Scheda informativa del prodotto

REGOLAMENTO DELEGATO (UE) 2019/2015 DELLA COMMISSIONE per quanto riguarda l'etichettatura energetica delle sorgenti luminose

Nome o marchio del fornitore: AIGOSTAR

Indirizzo del fornitore: ITALIA MARKET SRL, Via delle industrie 20883 MB 9/1 italy city MEZZAGO

Identificativo del modello: A60 8W 220-240V 6500K E27

Tipo di sorgente luminosa:

Tecnologia d'illuminazione:	LED	Non direzionale o direzionale:	NDLS
Tipo di attacco della sorgente luminosa (o altra interfaccia elettrica)	E27		
A tensione di rete o non a tensione di rete:	MLS	Sorgente luminosa connessa (CLS):	No
Sorgente luminosa a colori variabili:	No	Involucro:	-
Sorgente luminosa ad alta luminanza:	No		
Schermo antiriflesso:	Si	Regolabile:	No

Parametri del prodotto

Parametro	Valore	Parametro	Valore
Parametri generali del prodotto:			
Consumo di energia in modo acceso (kWh/1000 h), arrotondato per eccesso all'intero più vicino	8	Classe di efficienza energetica	F
Flusso luminoso utile (ϕuse), indicando se si riferisce al flusso in una sfera (360°), in un cono ampio (120°) o in un cono stretto (90°)	730 in Sfera (360°)	Temperatura di colore correlata, arrotondata ai 100 K più vicini, oppure intervallo di temperature di colore correlate che è possibile impostare, arrotondato ai 100 K più vicini	6 500
Potenza in modo acceso (P_{on}), espressa in W	8,0	Potenza in modo stand-by (P_{sb}), espressa in W e arrotondata al secondo decimale	0,00
Potenza in modo stand-by in rete (P_{net}) per le sorgenti luminose connesse, espressa in W e arrotondata al secondo decimale	-	Indice di resa cromatica arrotondato all'intero più vicino, oppure intervallo di valori IRC che è possibile impostare	80

Pagina 1 / 3

Dimensioni esterne senza unità di alimentazione separata, parti per il controllo dell'illuminazione e parti senza funzioni di controllo dell'illuminazione, se presenti (mm)	Altezza	108	Distribuzione spettrale di potenza a pieno carico nell'intervallo da 250 nm a 800 nm	Vedi immagine nell'ultima pagina
	Larghezza	60		
	Profondità	60		
Dichiarazione di potenza equivalente[a]		Si	Se si, potenza equivalente (W)	55
			Coordinate cromatiche (x, y)	0,313 0,337
Parametri per sorgenti luminose LED e OLED:				
Valore dell'indice di resa cromatica R9		1	Fattore di sopravvivenza	0,90
Fattore di mantenimento del flusso luminoso		0,96		
Parametri per sorgenti luminose LED e OLED a tensione di rete:				
Fattore di sfasamento [cos ϕ1]		0,50	Coerenza dei colori in ellissi di MacAdam	6
Dichiarazione che una sorgente luminosa LED può sostituire una sorgente luminosa fluorescente senza alimentatore integrato avente una determinata potenza		[b]	Se si, dichiarazione di sostituibilità (W)	-
Metrica dello sfarfallio (Pst LM)		1,0	Metrica dell'effetto stroboscopico (SVM)	0,9

[a]'-': non applicabile;
[b]'-': non applicabile;

Pagina 2 / 3

Pagina 3 / 3

Figure 4.1: The EU Energy Label for the Aigostar LED bulb, indicating its energy efficiency class F under the new rating system.

5. Setup and Installation

Installing your Aigostar LED bulb is a simple process. Follow these steps:

1. **Turn off Power:** Before replacing any bulb, ensure the power supply to the light fixture is completely turned off at the switch or circuit breaker.
2. **Remove Old Bulb:** Carefully unscrew the old bulb from the E27 socket by turning it counter-clockwise. Allow it to cool if it was recently in use.
3. **Insert New Bulb:** Gently screw the Aigostar E27 LED bulb into the E27 socket by turning it clockwise until it is

snug. Do not overtighten.

4. **Restore Power:** Once the new bulb is securely in place, turn the power back on at the switch or circuit breaker.
5. **Test:** Switch on the light to ensure the bulb is functioning correctly.



Figure 5.1: Illustration of the simple installation process, showing a hand screwing the E27 LED bulb into a compatible lamp holder.

These bulbs are suitable for various applications, including pendant lamps, table lamps, and mirror lamps, providing bright and consistent illumination.



Figure 5.2: Examples of typical applications for the Aigostar E27 LED bulbs, including pendant, table, and mirror lighting fixtures.

6. Operating Instructions

Operating the Aigostar E27 8W LED bulb is straightforward:

- Once installed in a compatible E27 fixture, simply use the wall switch or fixture switch to turn the light on or off.
- The bulb will provide instant full brightness (680 lumens) with a cool white light (6400K).
- As these bulbs are non-dimmable, they should not be connected to dimmer switches. Using them with a dimmer may cause damage to the bulb or the dimmer.



Figure 6.1: The versatile cool white light is suitable for various activities, including focused work, comfortable reading, and illuminating social gatherings.

7. Maintenance

Aigostar LED bulbs require minimal maintenance due to their long lifespan and durable design.

- **Cleaning:** Ensure the power is off and the bulb is cool before cleaning. Wipe the bulb gently with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Inspection:** Periodically check the bulb and fixture for any signs of damage or loose connections.
- **Replacement:** Replace the bulb if it becomes damaged or stops functioning. Always ensure the power is off before replacement.

8. Troubleshooting

If you encounter issues with your Aigostar LED bulb, try the following troubleshooting steps:

Problem	Possible Cause	Solution
Bulb does not light up.	No power to the fixture, loose connection, or faulty bulb.	Check the wall switch and circuit breaker. Ensure the bulb is screwed in tightly. Test the bulb in another working fixture. If still not working, the bulb may be faulty and needs replacement.
Bulb flickers or blinks.	Incompatible dimmer switch, unstable power supply, or loose connection.	Ensure the bulb is not connected to a dimmer switch (these bulbs are non-dimmable). Check for stable power supply. Tighten the bulb in the socket.

Problem	Possible Cause	Solution
Bulb is too dim.	Incorrect bulb wattage for desired brightness, or power issue.	Verify the bulb's lumen output (680 lm) meets your lighting needs. Ensure stable power supply.

9. Recycling and Disposal

LED bulbs, while more energy-efficient, should be disposed of responsibly to protect the environment.

- **Recycling:** Do not dispose of LED bulbs in regular household waste. They contain electronic components that should be recycled. Check with your local waste management facility for proper recycling guidelines for electronic waste (WEEE).
- **Broken Bulbs:** In case of a broken bulb, avoid direct contact with broken glass. Carefully sweep up fragments using stiff paper or cardboard and place them in a sealed plastic bag. Wipe the area with a damp paper towel. Dispose of the sealed bag and cleaning materials according to local hazardous waste guidelines. Do not use a vacuum cleaner.

10. Warranty and Support

Aigostar products are manufactured to high-quality standards. For warranty information or technical support, please refer to the contact details provided on the product packaging or visit the official Aigostar website. Please have your product model (A5 A60 E27 8W) and purchase details ready when contacting support.

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