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ZonQoonz AL-01513

ZonQoonz 100W COB LED Projector User Manual

Model: AL-01513

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your ZonQoonz 100W COB LED Projector. Please read this manual thoroughly before installation and use, and retain it for future reference.

The ZonQoonz 100W COB LED Projector is a powerful and durable lighting unit designed for various applications, including photography, stage lighting, events, and architectural illumination. It features a high-efficiency COB LED source, offering both cool white and warm white light options with high color rendering ($R_a > 90$).

2. SAFETY INFORMATION

- Ensure the power supply voltage matches the product's requirements (90-220V AC, 50-60Hz).
- Do not open the housing; there are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Avoid direct eye exposure to the light source.
- Keep the device away from water, moisture, and extreme temperatures.
- Ensure proper ventilation to prevent overheating. Do not block ventilation openings.
- Always disconnect power before cleaning or performing any maintenance.
- Install the fixture securely using the provided brackets and screws.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon unpacking:

- 1 x ZonQoonz 100W COB LED Projector (with integrated power cable)
- 2 x Mounting Brackets
- 2 x Screws
- 1 x User Manual

4. PRODUCT OVERVIEW

The ZonQoonz 100W COB LED Projector is designed for versatility and performance. Key features include:

- **High-Efficiency COB LED:** Provides superior light output and color rendering ($Ra > 90$) compared to traditional LEDs, offering natural and vibrant light.
- **Adjustable White Light:** Capable of producing both cool white and warm white light, allowing for flexible lighting environments.
- **Robust Construction:** Made from high-quality cast aluminum for durability and a long lifespan.
- **Multiple Control Modes:** Supports DMX512 (2/3 channels), Sound Activated, Master-Slave, and Automatic modes for diverse operational needs.
- **Flexible Installation:** Equipped with two brackets and screws for easy mounting on walls, trusses, or placement on the floor. The light angle is adjustable.



Figure 4.1: Front view of the ZonQoonz 100W COB LED Projector.

COB PAR Light



Cool/Warm
White



High
Brightness



Aluminum
housing



DMX 2CH



Figure 4.2: Key features of the COB PAR Light, highlighting cool/warm white output, high brightness, aluminum housing, and DMX control.



Figure 4.3: Product dimensions (22cm width, 28cm height) and views of the rear control panel and mounting options.

5. SETUP

5.1 Mounting

1. Attach the two provided mounting brackets to the sides of the projector using the included screws.
2. Securely mount the projector to a stable surface (wall, truss, or floor) ensuring it is firmly fixed to prevent accidental falls.
3. Adjust the angle of the projector as needed by loosening the side knobs, positioning the light, and then tightening the knobs.

5.2 Power Connection

- Ensure the projector is switched off before connecting to power.
- Connect the integrated power cable to a compatible power outlet (90-220V AC, 50-60Hz).

5.3 DMX Connection (Optional)

- For DMX control, connect a DMX cable from your DMX controller to the DMX IN port on the projector.
- If linking multiple units, connect the DMX OUT of the first unit to the DMX IN of the next unit in a daisy chain.

6. OPERATING MODES

The projector offers several operating modes, selectable via the control panel on the rear of the unit.



Figure 6.1: Illustration of available control modes: DMX 512, Sound Activated, Auto, and Master-Slave.

6.1 Automatic Mode

In Automatic mode, the projector cycles through pre-programmed light sequences and effects without external input. This mode is suitable for general illumination or simple event lighting.

6.2 Sound Activated Mode

The projector's built-in microphone detects ambient sound, and the light effects will synchronize with the rhythm of the music or sound. Adjust sensitivity via the control panel if available.

6.3 Master-Slave Mode

This mode allows multiple projectors to operate in synchronization without a DMX controller. Connect the DMX OUT of the "Master" unit to the DMX IN of the "Slave" units. Set the Master unit to a desired mode (e.g., Auto or Sound Activated), and the Slave units will mimic its behavior.

6.4 DMX512 Control Mode

For professional control, connect the projector to a DMX512 controller. The projector uses 2 or 3 DMX channels. Refer to the DMX channel chart (usually provided in a separate DMX manual or on the device itself) for specific channel functions, which typically include:

- **Channel 1:** Dimmer (overall brightness)
- **Channel 2:** Cool White Intensity
- **Channel 3:** Warm White Intensity / Strobe Speed (depending on 2 or 3 channel mode)

Use the control panel to set the DMX address for each unit. Ensure each unit has a unique DMX address if operating independently, or the same address if they are to respond identically to DMX signals.



Figure 6.2: Examples of light effects achievable with the projector, including cool white, warm white, and mixed cool+warm white.



Figure 6.3: Further examples of stage lighting effects using different white light temperatures.

7. MAINTENANCE

- **Cleaning:** Regularly clean the lens and housing with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the device is unplugged before cleaning.
- **Inspection:** Periodically check power cables and DMX cables for any signs of damage. Ensure all mounting hardware is secure.
- **Storage:** When not in use, store the projector in a dry, dust-free environment.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable disconnected; no power from outlet; faulty fuse.	Check power cable connection; test outlet with another device; check/replace fuse (if accessible and safe).

Problem	Possible Cause	Solution
Light not responding to DMX	Incorrect DMX address; faulty DMX cable; DMX controller issue; incorrect DMX mode selected.	Verify DMX address setting; check DMX cable integrity; ensure DMX controller is functioning; confirm DMX mode is active on the projector.
Light flickering or inconsistent output	Unstable power supply; loose connection; internal fault.	Ensure stable power; check all connections; if problem persists, discontinue use and contact support.
Overheating	Blocked ventilation; prolonged use in high ambient temperature.	Ensure ventilation openings are clear; operate in a well-ventilated area; allow for cooling periods.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact customer support.

9. SPECIFICATIONS

Brand	ZonQoonz
Model Number	AL-01513
Input Voltage	90-220V AC, 50-60Hz
Rated Power	100 Watts
Light Source	1 x COB LED
Luminous Flux	1000 Lumen
Color Rendering Index (CRI)	>90
Control Channels	2/3 CH (DMX)
Control Modes	DMX512, Sound Activated, Master-Slave, Automatic
Material	Cast Aluminum
Color	Black
Dimensions (L x W x H)	25 x 25 x 36 cm (9.8 x 9.8 x 14.2 inches)
Weight	2.72 Kilograms (6 lbs)
Certification	CE
Energy Efficiency Rating	A

Produktdatenblatt			
DELEGIERTE VERORDNUNG (EU) 2019/2015 DER KOMMISSION zur Energieverbrauchskennzeichnung von Lichtquellen			
Name oder Handelsmarke des Lieferanten: shen zhen shi ai long dian zi shang wu you xian gong si			
Anschrift des Lieferanten: Daniel Wan, Calle Gran Via 49,7 DCH 7, 28013 Madrid, ES			
Modellkennung: ZQ01066EU			
Art der Lichtquelle:			
Verwendete Beleuchtungstechnologie:	LED	Ungebündelt oder gebündelt:	NDLS

normiert:		gemessen:	
Art des Sockels der Lichtquelle (oder andere elektrische Schnittstelle)		Power by external power source	
Netzspannung/Nicht direkt an die Netzspannung angeschlossen:		NMLS	Vernetzte Lichtquelle (CLS): Nein
Farblich abstimmbare Lichtquelle:		Nein	Hülle: -
Lichtquelle mit hoher Leuchtdichte:		Nein	
Blendschutzschild:		Nein	Dimmbar: Nein
Produktparameter			
Parameter	Wert	Parameter	Wert
Allgemeine Produktparameter:			
Energieverbrauch im Ein-Zustand (kWh/1000 h), auf die nächstliegende ganze Zahl gerundet	40	Energieeffizienzklasse	E
Nutzlichtstrom (ϕ_{use}) mit Angabe, ob sich der Wert auf den Lichtstrom in einer Kugel (360°), in einem breiten Kegel (120°) oder in einem schmalen Kegel (90°) bezieht	4 800 in breiter Kegel (120°)	ähnliche Farbtemperatur, gerundet auf die nächstliegenden 100 K, oder Spanne der einstellbaren ähnlichen Farbtemperaturen, gerundet auf die nächstliegenden 100 K	2800...3200
Leistungsaufnahme im Ein-Zustand (P_{on}) in W	40,0	Leistungsaufnahme im Bereitschaftszustand (P_{sb}) in W, auf die zweite Dezimalstelle gerundet	0,00
Leistungsaufnahme im vernetzten Bereitschaftsbetrieb (P_{net})	-	Farbwiedergabeindex, auf die nächstliegende ganze Zahl gerundet, oder Spanne der einstellbaren CRI-Werte	80
äußere Abmessungen, ggf. ohne separates Betriebsgerät, Beleuchtungssteuerungsteile und Nicht-Beleuchtungsteile (Millimeter)		Höhe Breite Tiefe	200 145 180
Angabe zu einer gleichwertigen Leistungsaufnahme ^(a)		Spektrale Strahlungsverteilung im Bereich 250 nm bis 800 nm bei Volllast	
		Siehe Bild auf letzter Seite	
		Falls ja, gleichwertige Leistungsaufnahme (W)	
		Farbwertanteile (x und y)	
		0,364 0,365	
Parameter für LED- und OLED-Lichtquellen:			
Wert des R9-Farbwiedergabeindex	-9	Lebensdauerfaktor	1,00
Lichtstromerhalt	0,96		

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(a) „-“: nicht zutreffend;
(b) „-“: nicht zutreffend;

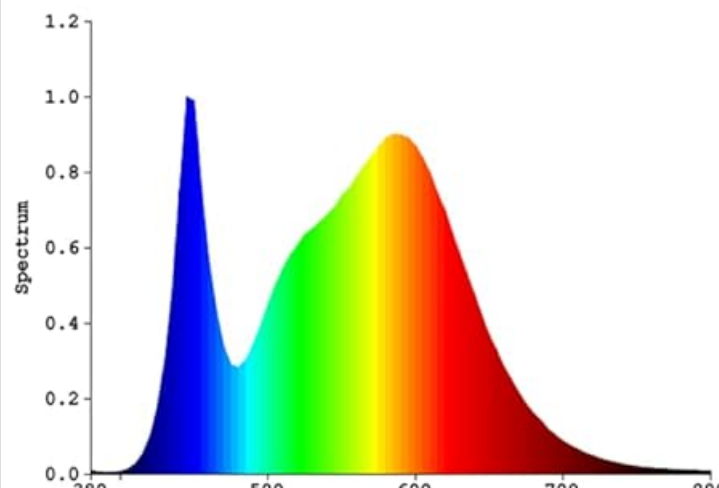


Figure 9.1: Product data sheet with detailed technical specifications. For more information, refer to the [EPREL database](#).

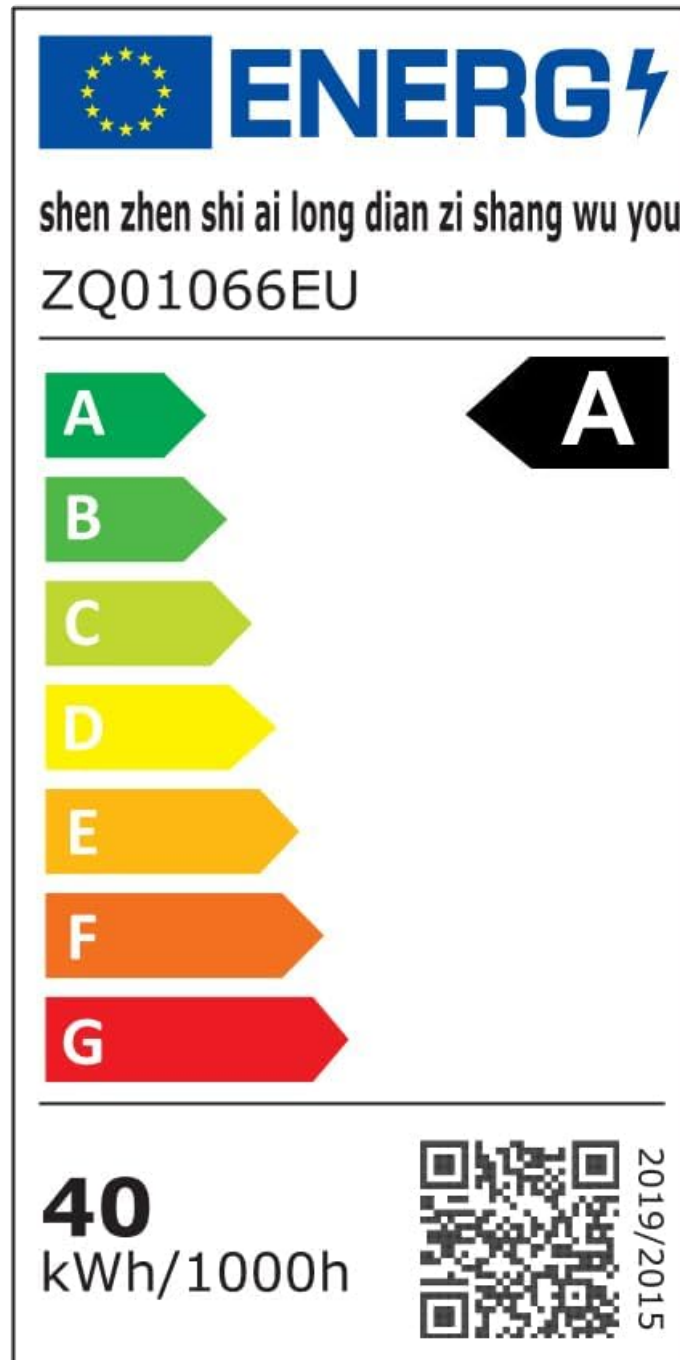


Figure 9.2: EU Energy Label indicating an 'A' efficiency rating.

10. WARRANTY AND SUPPORT

ZonQoonz products are manufactured to high-quality standards. For warranty information, please refer to the terms and conditions provided at the point of purchase or contact your retailer.

For technical support or inquiries, please contact ZonQoonz customer service through the retailer where the product was purchased. Please have your model number (AL-01513) and purchase date available.

Information regarding spare parts availability and software updates is not provided at this time.

