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Metz 340007

METZ MECALIGHT L1000 BC X IP44 LED Video Light User Manual

Model: 340007

1. Introduction

The METZ MECALIGHT L1000 BC X is a high-performance LED video light designed for versatile use, particularly in outdoor conditions. Its robust housing, connections, and battery compartment are protected against splash water and foreign materials, conforming to the IP44 safety class. This bi-color light features a unique lens concept and high-performance SMD-LEDs, ensuring a constant illuminance of 1000 Lux and optimal color rendering without color casts. The color temperature can be continuously adjusted from 2800 to 5700 Kelvin. Additionally, the L1000 BC X offers integrated wireless control via the Metz mecalight app, compatible with current Android and Apple iOS versions, allowing control of up to seven devices.

2. Safety Information

Please read all safety instructions carefully before using the device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not expose the device to extreme temperatures or direct sunlight for prolonged periods.
- Ensure the device is securely mounted before operation to prevent accidental falls.
- Do not look directly into the LED light when it is operating at full brightness to avoid eye strain or damage.
- Keep the device away from flammable materials.
- Use only specified batteries and power sources.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- Clean the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Despite IP44 rating, avoid submerging the device in water.

3. Product Features

- **LEDs Type:** 64 SMD LEDs with special lens matrix / Bi-Colour (32 white, 32 warmwhite LEDs)
- **Illumination:** 1000 Lux (@1m)
- **Colour Rendering Index (CRI):** 93, ensuring accurate color reproduction.
- **Colour Temperature:** Continuously adjustable from 2800 – 5700 Kelvin
- **Beam Angle:** 60°

- **IP44 Protection:** Housing, connections, and battery compartment are protected against splash water and foreign materials.
- **Wireless Control:** Integrated wireless function via Metz mecalight app for smartphone control (Android and Apple iOS compatible).
- **Consistent Output:** Maintains 1000 Lux illumination across the entire color temperature range.



Image: Visual representation of color rendering, demonstrating the high CRI (93) of the MECALIGHT L1000 BC X for accurate color reproduction in various lighting conditions.

4. Package Contents

Please check that all items are present in the package:

- METZ MECALIGHT L1000 BC X LED Video Light
- Diffuser Panel (MBL-01)
- Mounting Adapter / Ball Head
- User Manual

5. Setup

5.1 Battery Installation

The MECALIGHT L1000 BC X uses a compatible battery (not included, typically NP-F series). To install the battery:

1. Locate the battery compartment on the rear of the light.
2. Slide the battery release latch to open the compartment cover.
3. Insert the battery, ensuring correct polarity, until it clicks into place.
4. Close the compartment cover securely.



Batteriekorb P6 hält Staub u. Spritzwasser ab

Image: Rear view of the MECALIGHT L1000 BC X, highlighting the battery compartment on the right and the control panel on the left.

5.2 Mounting the Light

The MECALIGHT L1000 BC X comes with a standard mounting adapter for attachment to camera hot shoes or light stands.

1. Attach the provided mounting adapter to the bottom screw thread of the light.
2. Secure the light onto your camera's hot shoe or a light stand using the adapter's locking mechanism.
3. Adjust the angle of the light as needed using the ball head on the adapter.



Image: Front view of the MECALIGHT L1000 BC X LED video light, showing its array of warm white and cool white LEDs, mounted on a standard light stand adapter.

6. Operating Instructions

6.1 Powering On/Off

Press and hold the power button () on the control panel to turn the light on or off. The OLED display will illuminate upon power-on.

6.2 Adjusting Brightness and Color Temperature

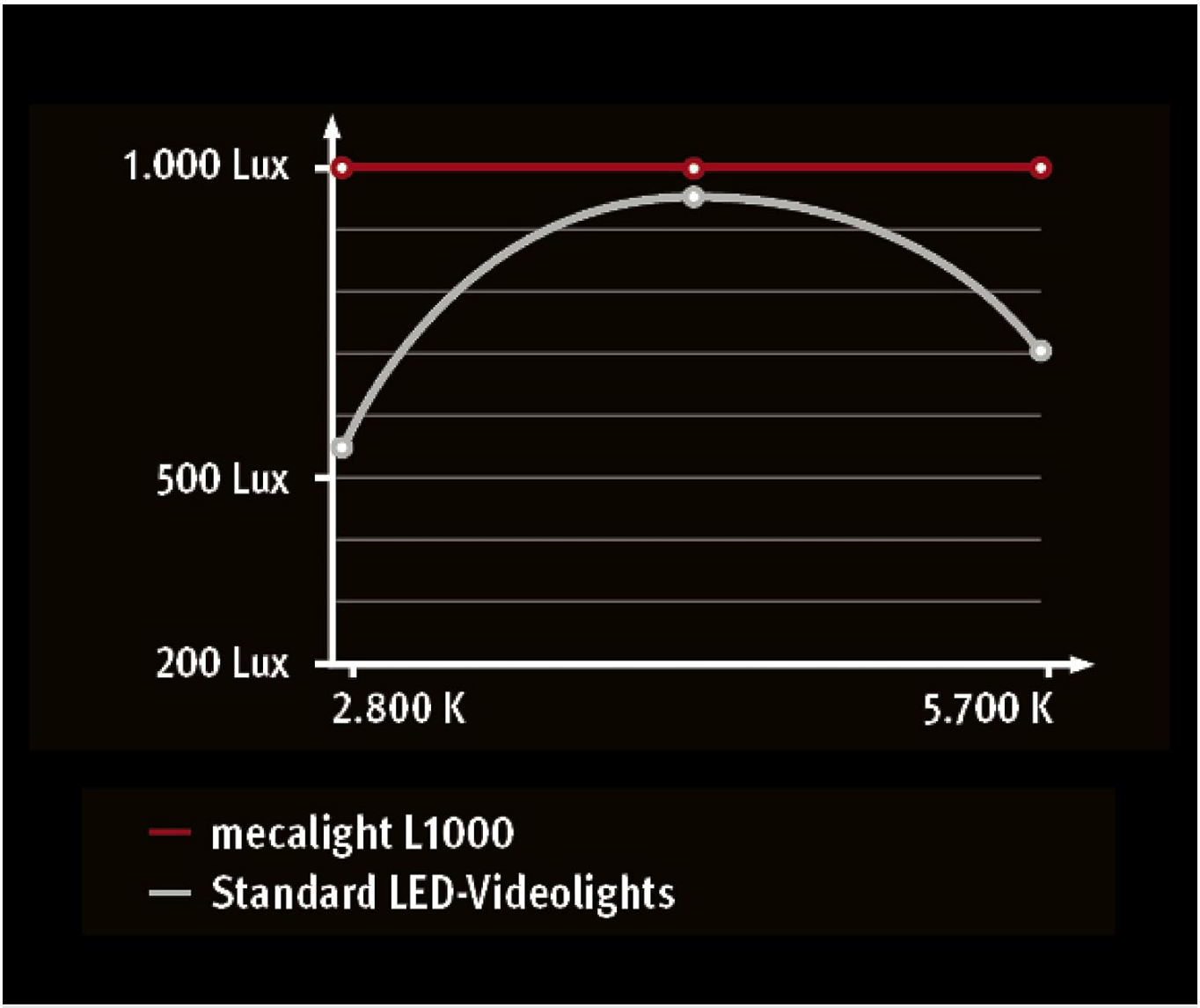
Use the control knob and buttons on the rear panel to adjust light settings:

- **Brightness Adjustment:** Rotate the main control knob to increase or decrease the light intensity.
- **Color Temperature Adjustment:** Press the settings button (⚙) to switch to color temperature adjustment mode. Rotate the main control knob to change the color temperature between 2800K (warm white) and 5700K (cool white).
- The OLED display provides real-time feedback on current brightness level and color temperature.



Kontrastreiches OLED-Display und komfortable, intuitive Bedienung mit nur drei Steuerungselementen.

Image: Angled rear view of the MECALIGHT L1000 BC X, displaying the clear OLED screen with power percentage and the intuitive control knob and buttons for operation.



Intelligente Metz-Lichtsteuerung: Hierdurch kann man bei jeder Farbtemperatur mit 1000 Lux Lichtkraft arbeiten.



Image: A graph illustrating the consistent 1000 Lux illumination provided by the MECALIGHT L1000 across its full color temperature range (2800K to 5700K), contrasting with the varying output of standard LED video lights.

6.3 Using the Metz Mecalight App

The MECALIGHT L1000 BC X can be controlled wirelessly via the Metz mecalight app. This app allows for convenient adjustment of brightness and color temperature, and can control up to seven devices simultaneously.

1. Download the "Metz mecalight" app from your smartphone's app store (compatible with Android and Apple iOS).
2. Ensure Bluetooth is enabled on your smartphone.
3. Open the app and follow the on-screen instructions to pair with your MECALIGHT L1000 BC X.
4. Once connected, you can adjust settings directly from your smartphone.



Im Wireless-Betrieb können Beleuchtungsstärke sowie Farbtemperatur stufenlos geregelt werden.

Image: A smartphone screen showing the Metz mecalight app, demonstrating wireless control over the MECALIGHT L1000 BC X LED video light, which is mounted on a DSLR camera.

6.4 Attaching Accessories

The MECALIGHT L1000 BC X is designed to accommodate various accessories, such as diffusers and microphones, via its accessory shoe.

- **Diffuser:** The included Metz mecalight MBL-01 diffuser panel can be attached to the front of the light to provide softer, more even illumination. Align the diffuser with the light's frame and secure it.
- **Microphone:** A microphone or other hot-shoe compatible accessory can be mounted on the top accessory shoe of the light. Slide the accessory into the shoe and tighten any locking mechanisms.



Die Metz mecalight MBL-01 Diffusor-Scheibe sorgt für bemerkenswert weiches und gleichmäßiges Licht.

Image: The MECALIGHT L1000 BC X with a translucent diffuser panel attached, designed to soften and evenly spread the light output.



Auf dem Zubehörschuh lässt sich Zubehör (z.B. ein Mikrofon) schnell und einfach anbringen.

Image: The MECALIGHT L1000 BC X with a RODE microphone securely mounted on its accessory shoe, demonstrating its versatility for video production setups.

7. Maintenance

7.1 Cleaning

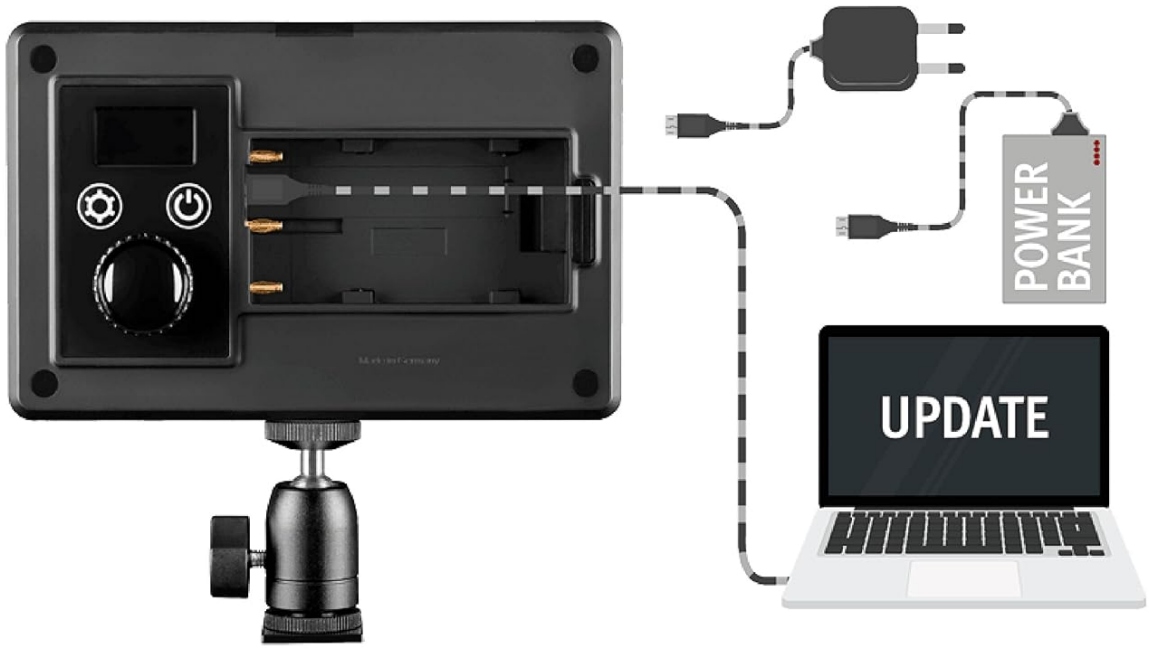
To maintain the performance and appearance of your MECALIGHT L1000 BC X:

- Wipe the exterior of the light with a soft, dry, lint-free cloth.
- For stubborn marks, slightly dampen the cloth with water. Do not use harsh chemicals or abrasive cleaners.
- Ensure the light is powered off and disconnected from any power source before cleaning.

7.2 Firmware Updates

The MECALIGHT L1000 BC X features a Micro-USB interface for firmware updates, ensuring your device always has the latest features and improvements.

1. Visit the official Metz website for the latest firmware updates and instructions.
2. Connect the light to a computer using a Micro-USB cable.
3. Follow the specific instructions provided by Metz for the firmware update process.



Die Micro-USB-Schnittstelle der L1000 dient für Firmware-Updates als auch zur externen Stromversorgung.

Image: A diagram illustrating the Micro-USB port on the MECALIGHT L1000 BC X, used for both firmware updates via a laptop and for external power supply from a power bank.

8. Troubleshooting

If you encounter issues with your MECALIGHT L1000 BC X, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Light does not turn on.	• Battery is not installed correctly or is depleted. Ensure battery is fully charged and properly inserted. • Power button not pressed long enough. Press and hold the power button for a few seconds.
Light output is dim or inconsistent.	• Battery charge is low. Recharge or replace the battery. • Settings are incorrect. Check brightness and color temperature settings on the device or via the app.

Problem	Possible Cause / Solution
Cannot connect to Metz mecalight app.	• Bluetooth is not enabled on your smartphone. • Light is too far from the smartphone. Ensure they are within Bluetooth range. • App needs to be restarted. Close and reopen the app. • Light needs to be reset. Turn the light off and on again.
OLED display is not working.	• Device may be off or battery depleted. • If problem persists after checking power, contact customer support.

9. Specifications

Feature	Detail
Model Number	340007
LEDs Type	64 SMD LEDs (32 white, 32 warmwhite)
Illumination	1000 Lux (@1m)
Colour Rendering Index (CRI)	93
Colour Temperature	2800 – 5700 Kelvin (continuously adjustable)
Beam Angle	60°
Connectivity Technology	Bluetooth
Hardware Interface	Bluetooth, Micro-USB
Protection Class	IP44 (splash water and foreign materials)
Product Dimensions	0.71 x 1.53 x 0.99 cm
Item Weight	0.49 g
Manufacturer	METZ
Language	English
Date First Available	18 May 2020

10. Warranty and Support

Metz products are manufactured to high quality standards and come with a manufacturer's warranty. For detailed warranty information, please refer to the warranty card included with your product or visit the official Metz website. For technical support, troubleshooting assistance, or service inquiries, please contact Metz customer support through their official website or the contact information provided in your product documentation. Please have your model

number (340007) and purchase details ready when contacting support.

Official Website: www.metz-ce.de (Please note: URL is an example, verify official Metz support page for exact link)

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