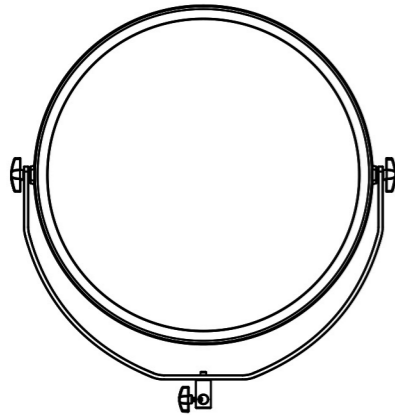


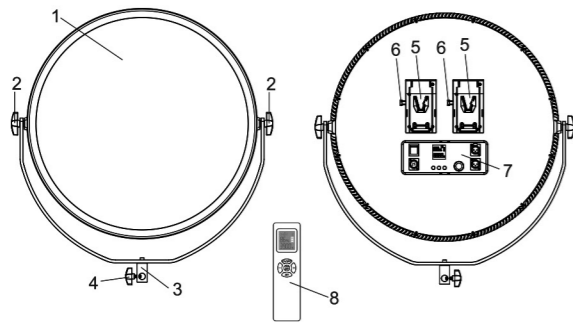
MITOYA

LED LIGHT SUN110 BI-COLOR User manual



Thank you for choosing MITOYA products! SUN110 Bi-color is an advanced LED soft light. The lamp is an electrical device - improper use may cause failure or injury. Before use, read this manual and keep it for future reference and for third parties.

CONSTRUCTION



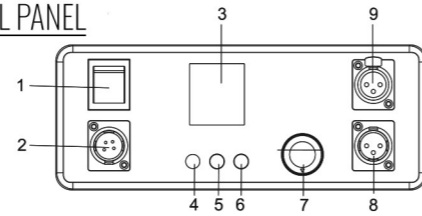
1. LED panel
2. Side clamps for tilt angle adjustment
3. 16 mm stand mounting bracket (spigot mount)
4. Stand mounting clamp (locking screw)
5. V-Mount / V-Lock battery bays
6. Battery bay locks
7. Control panel
8. 2.4G remote

CHARACTERISTICS

SUN110 Bi-color is an efficient continuous light source. The panel contains 468 LED 2835 0.5W diodes with high brightness. Half of the diodes (234) emit cool/white light and the other half (234) emit warm light. SUN110 Bi-color offers smooth power adjustment from 0-100% and CCT color temperature adjustment from 2500-8500 K. An LCD display makes it easier to control settings. The lamp can be controlled using the rear panel, the 2.4G remote, or an external DMX console.

SUN110 Bi-color can be powered from mains (15 V 8 A power supply included) or from one/two V-Mount / V-Lock batteries (not included). The lamp is designed for mounting on a studio/light stand with a 16 mm spigot. The stand is not included.

CONTROL PANEL



1. Power switch
2. DC power input (4-pin)
3. Display (LCD)
4. Color temperature button
5. Channel/Group button (CH/GR)
6. MODE button (DMX control)
7. Control knob for the active parameter
8. DMX IN (XLR 3-pin in)
9. DMX OUT (XLR 3-pin out)

POWER: MAINS

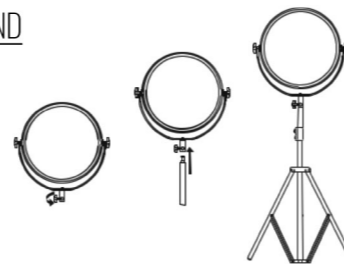
Use the 15 V 8 A power supply and connect it to port (2). Plug the power supply into a wall outlet. Turn the lamp on by setting switch (1) to position "I". To turn the lamp off, set switch (1) to position "O". **NOTE!** The power supply does not charge V-Mount / V-Lock batteries. To charge V-Mount / V-Lock batteries, an external charger is required (not included)

POWER: V-MOUNT / V-LOCK BATTERIES

Use one or two V-Mount / V-Lock batteries (not included) and place them in the battery bays. Make sure the batteries are inserted correctly and that locks (6) hold them in place. Turn the lamp on by setting switch (1) to position "I". To turn the lamp off, set switch (1) to position "O".

MOUNTING THE LAMP ON A STAND

Loosen clamp (4) by unscrewing it so the space inside the mount is free (do not remove the screw completely). Place the lamp on a stand with a 16 mm spigot. Tighten the screw (4) again so the lamp is securely clamped to the stand head.



TILT ANGLE ADJUSTMENT

Loosen the two side clamps (2) by slightly unscrewing the knobs. Adjust the lamp position as needed. Tighten both clamps again.

WARNING! While changing the tilt angle, always support the panel - from loosening until fully tightening clamps (2).

LIGHT OUTPUT (BRIGHTNESS) ADJUSTMENT

After turning the SUN110 on, brightness control is active by default. To change brightness, use knob (7). Turning clockwise increases brightness by 1% per step. Turning counterclockwise decreases brightness by 1% per step. Minimum brightness is 0, maximum is 100.

COLOR TEMPERATURE (CCT) ADJUSTMENT

To change color temperature, press button (4) and use knob (7). Turning clockwise increases CCT by 100 K per step. Turning counterclockwise decreases CCT by 100 K per step. Minimum CCT is 2500 K, maximum is 8500 K. Press button (4) again to confirm. After 5 seconds of inactivity, the lamp saves the selected settings. Press button (4) once more to return to brightness control mode.

DMX MODE

To start working in DMX mode, press button (6). After activating DMX mode, press button (5) and select the desired value.

WARNING! Working in DMX mode makes the lamp follow the external console connected to port (8) and blocks control from the rear panel/remote. To return to manual control, press and hold button (6) again.

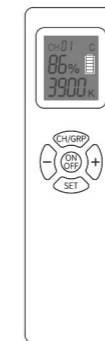
USING THE 2.4G REMOTE

The included remote requires two AAA batteries (not included). Insert compatible batteries into the rear compartment according to polarity markings. Press and hold ON/OFF to turn the remote on.

Use the CH/GRP buttons to select channel and group. For correct communication, the remote and the lamp must be set to the same channel/group. Set the desired channel/group using the arrow buttons.

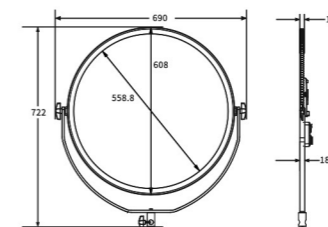
NOTE! To check/change the lamp channel/group, press button (5) on the rear panel. If needed, change the channel/group using knob (7).

The remote allows changing the lamp brightness and color temperature. Use the SET button on the remote to switch between brightness and CCT. Use + and - to increase/decrease the active parameter. The remote enters sleep mode after 15 seconds of inactivity.



DIMENSIONS

Inner panel diameter: 558.8
Diameter with rim: 608
Overall width: 690
Overall height: 722
Panel thickness: 14.5-18



TECHNICAL SPECIFICATION

LED count: 468 (234 x 2500K, 234 x 8500K)
LED type: 2835 0.5W
Power consumption: 110 W ± 10 W
Illuminance: 2500 lux @ 1 m (± 150 lux)
Luminous flux: 7000 lm (± 400 lm)
Power adjustment: 0-100% in 1% steps
CCT range: 2500-8500 K (± 200 K), in 100 K steps
CRI: 95+
Remote control: 2.4G remote, DMX (XLR 3-pin in/out)
Groups (GR): 3 (A, B, C)
Channels (CH): 40
DMX channels: 256
Beam angle: 120°
LCD display: yes
Mains power: DC (4-pin) 15 V 8 A
Battery power: 1 or 2 x V-Mount (14.8 V)
Connectors: DC, DMX in, DMX out, 2 x V-Lock
Net weight: 5220 g
Overall dimensions: 722 x 14.5 x 690 mm
Operating temperature: 0-40°C
Storage temperature: -10 to 50°C
Permissible humidity: 20-80%

WARNINGS

- The lamp is not sealed - protect it from moisture, rain, and dust.
- The lamp is not shock resistant - protect it from mechanical damage and drops.
- If the lamp heats up above the indicated temperatures, stop using it and contact service.
- Do not cover ventilation openings on the housing.
- Do not place the lamp close to eyes - the light may cause eyesight damage.
- Do not use the lamp near flammable materials - generated heat may cause fire.
- After use, remove the battery from the lamp / unplug the power supply from the outlet.
- After use, wait until the lamp cools down before packing it into the bag/case.

Contact:

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