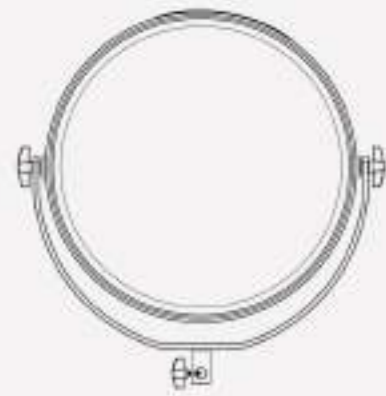


MITOYA

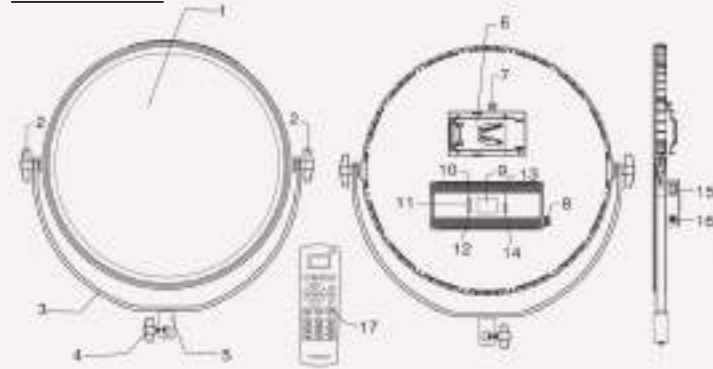
SUN 70 RGB LED LIGHT User manual



PRELIMINARY NOTES

Thank you for choosing MITOYA products! SUN70 RGB 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.

CONSTRUCTIO



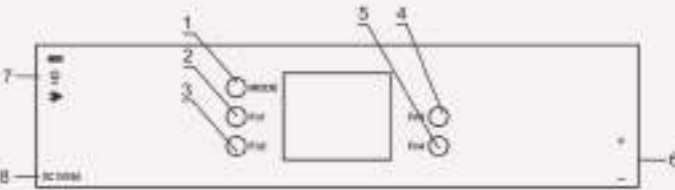
1.LED panel 2. Tilt angle adjustment clamp 3. U-shaped yoke 4. Stand mounting clamp 5. 16 mm stand mount 6. Battery compartment 7. Battery compartment lock 8. Function knob (light parameter adjustment) 9. LCD display 10. MODE button (operating modes) 11-14. Function buttons Fn1-Fn4 15. Power switch 16. DC power input socket 17. 2.4G wireless remote control

CHARACTERISTICS

SUN 70 RGB is an efficient continuous light source. The panel contains 160 RGBWW 5050 LEDs. It offers operation in CCT mode (2500-8500 K), RGB HSI mode, and with built-in preset scene programs. Light output, color temperature, and color are smoothly adjustable. An LCD display makes it easier to monitor and change settings. The lamp can be controlled using the knobs and buttons on the rear panel or with the included 2.4G remote.

The lamp can be powered from mains (15 V 5 A power supply included) or with a V-Lock battery (not included). It is designed for mounting on a studio/light stand with a 16 mm spigot. The stand is not included.

CONTROL PANEL



MODE: operating mode selection: CCT (daylight/white light) | HSI (RGB mode) | SCENE (scene presets)
Fn1: light output adjustment
Fn2: group/channel selection
Fn3: CCT color temperature / RGB hue / SCENE program selection
Fn4: RGB saturation adjustment
SET: function knob - adjusts the value of the active parameter
Two-position switch: battery power (V-Lock) or DC mains power
DC port: DC power input (power supply)

POWERING THE LAMP - AC POWER SUPPLY

-> Use the 15 V 5 A power adapter (included) and connect it to the DC socket (16) -> Plug the power adapter into a wall outlet -> Turn the lamp on by setting the switch (15) to position "I".

To turn the lamp off, move the switch (15) to position "O".

WARNING! The power adapter does not charge the V-Lock battery. To charge a V-Lock battery, an external charger is required (not included).

POWERING THE LAMP - V-LOCK BATTERY

-> Use a compatible V-Lock battery (not included) and place it in the battery bay (6) -> Make sure the battery is inserted correctly and the bay lock (7) holds it in place.
-> Turn the lamp on by setting the switch (15) to position "I".

To turn the lamp off, move the switch (15) to position "O".

MOUNTING THE LAMP ON A STAND

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



TILT ANGLE ADJUSTMENT

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

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

LAMP OPERATING MODES

MITOYA SUN 70 RGB offers operation in three modes: CCT (daylight/white light), HSI (RGB color light), and SCENE (scene presets).

CCT MODE

-> Turn on the lamp -> press MODE to enter CCT mode.
-> Press Fn1 to adjust light output -> set the value with the SET knob.
-> Press Fn3 to adjust color temperature -> set the value with the SET knob.
-> Press Fn2 to enter group selection Gr -> assign the lamp to the selected group (A-C) using the SET knob.
-> Press Fn2 again to enter channel selection Ch -> assign the lamp to the selected channel (Ch1-Ch40) using the SET knob.

HSI MODE

HSI mode allows precise control of light color in the RGB color space. HSI control provides independent adjustment of hue, saturation, and intensity (brightness).

-> Turn on the lamp -> press MODE to enter HSI mode.
-> Press Fn1 to adjust light output -> set the value with the SET knob.

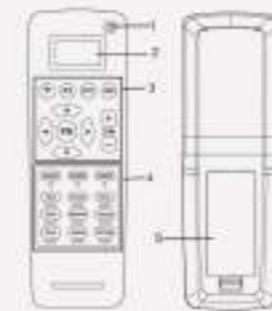
-> Press Fn3 to adjust hue -> set the value with the SET knob.
-> Press Fn4 to adjust saturation -> set the value with the SET knob.
-> Press Fn2 to enter group selection Gr -> assign the lamp to the selected group (A-C) using the SET knob.
-> Press Fn2 again to enter channel selection Ch -> assign the lamp to the selected channel (Ch1-Ch40) using the SET knob.

SCENE MODE (scene presets)

-> Turn on the lamp -> press MODE to enter SCENE mode.
-> Press Fn1 to adjust light output -> set the value with the SET knob.
-> Press Fn3 to change the scene program -> set the value with the SET knob.
-> Press Fn2 to enter group selection Gr -> assign the lamp to the selected group (A-C) using the SET knob.
-> Press Fn2 again to enter channel selection Ch -> assign the lamp to the selected channel (Ch1-Ch40) using the SET knob.

WIRELESS REMOTE

The wireless remote included with the MITOYA SUN 70 RGB enables radio control of the light settings (2.4G). The remote is powered by two AAA batteries. Before use, insert the batteries into the remote according to the polarity markings in the battery compartment.



Power button - press to turn on; press and hold to turn off
2. Display
3. Main buttons:
2.4G (Radio link) - 2.4G wireless pairing; changes the lamp's group and channel
FX - SCENE mode, operation with scene preset programs
CCT - white light mode: control of color temperature and brightness
HSI - RGB mode: control of hue, saturation, and brightness
Navigation buttons - change active parameters and their values
Brightness control - light output adjustment
4. Quick access panel - quick switching between selected light parameters: CCT color temperature and preset RGB colors
5. Battery compartment (2 x AAA)

PAIRING THE LAMP WITH THE REMOTE

Press the 2.4G (Radio link) button to establish a 2.4G wireless connection. For correct pairing, the channel and group must be the same on both the lamp and the remote. If, after powering on, the lamp is set to a different channel/group than the remote, adjust it using the buttons and knob on the rear control panel of the lamp.

After changing the channel/group, start the pairing process again by pressing the 2.4G (Radio link) button on the remote. Once the connection is established, you can change the lamp's working channel and group from the remote using the navigation buttons (arrows up/down/left/right). Select the desired value (CH/GR) on the display, press FN, use the arrow buttons to change the setting, then confirm with FN. The lamp can operate in three groups (A-C) and 40 channels (Ch01-Ch40).

REMOTE CONTROL OPERATION

After successfully pairing the lamp with the remote, you can remotely control the light settings. Light output in each mode is controlled with the + and - buttons.

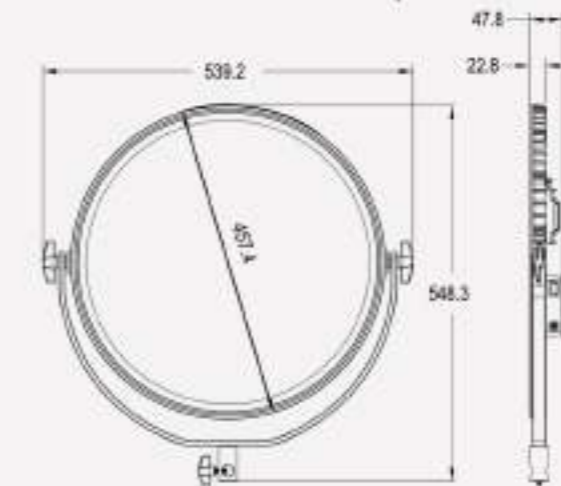
Press FX to enter the mode with scene programs. Use the navigation buttons to change the currently active program. The lamp includes 49 scene programs that simulate natural and artificial lighting effects.

Press CCT to enter white light mode. Use the navigation buttons to adjust color temperature within the range 2500-8500 K.

Press HSI to enter RGB color mode. The up/down arrows select hue and saturation. The left/right arrows change the value of the active parameter.

Press any button on the quick access panel to instantly switch to the selected light settings.

LAMP DIMENSIONS IN MILLIMETERS



TECHNICAL SPECIFICATION

LED count: 160 RGBWW 5050 0.5 W
Power consumption: 70 W (± 2 W)
Illuminance: 1500 lux @ 1 m (± 150 lux)
Luminous flux: 2500 lm (± 200 lm)
Power adjustment: 1-100%
Color temperature range (CCT): 2500-8500 K (± 200 K)
CCT adjustment: 2500-8500 K in 100 K steps
CRI (CCT): 95+
RGB: Yes
RGB adjustment: HSI (hue, saturation, intensity)
Hue: 0-360
Saturation: 0-100
Scene presets: 49
Groups (GR): 3 (A, B, C)
Channels (CH): 40 (01-40)
Remote control: 2.4G up to 50 m with no obstacles
Beam angle: 120°
LCD display: Yes
Mains power: DC 15 V 5 A
Battery power: 1 x V-Lock
Connectors: DC power input socket | V-Lock port
Net weight: 3650 g
Overall dimensions: 539.2 x 548.3 x 47.8 mm
Operating temperature: 0-35°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.

The permissible operating temperature range is 0-35°C. If the lamp heats up beyond this range, stop using it and contact service.

Do not cover the ventilation openings on the housing - this may cause an increase in internal temperature and lead to fire.

Do not place the lamp very close to the eyes - intense light may cause eyesight damage.

Do not use the lamp in the immediate vicinity of flammable products/materials - the heat generated by the lamp may cause a fire.

After finishing work, remove the battery from the lamp / unplug the power adapter from the outlet.

After use, wait until the lamp cools down before packing it into the cover.

DISTRIBUTION AND CONTACT:

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