

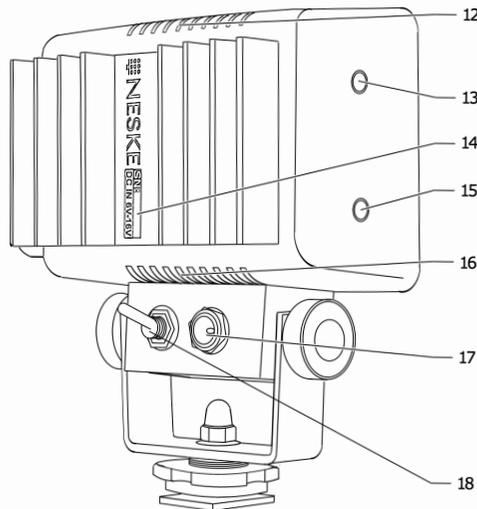
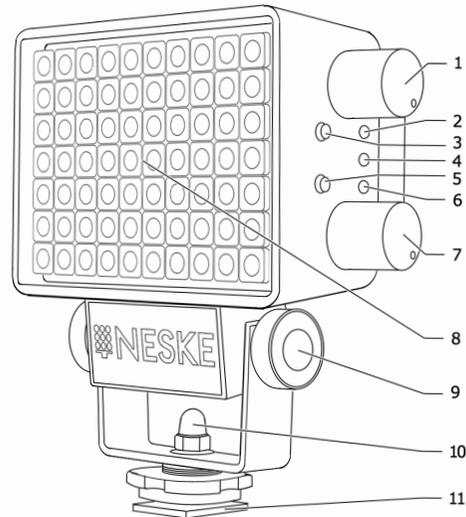
1. The use of the light

- The light is designed for mounting on a standard accessory shoe of the video camera, camcorder, DSLR camera or as a free-standing illuminator.

2. Power options

- The light can be powered from a battery or other DC source (any voltage in the range of 6V - 16V). 
- The light is protected from damage when installed in reverse polarity voltage.

3. Operation and features



- Color temperature dial
- LED memory indicator (read/write)
- Memory button
- LED Mode II indicator (peak)
- Mode II switch
- LED Mode II indicator (active)
- Dimmer dial
- Light panel
- Angle lock
- Pressure nut
- Shoe
- Ventilation holes
- External color temperature controller input
- Serial number
- External brightness controller input
- Ventilating holes
- Power socket
- Power switch

4. Using the connectors

- In cameras with LCD placed near the hot shoe, so as not to block the opening of the display, remove the pressure nut (Fig. 10) and put the same shoe into the provided hole in the connector of the battery adapter, or use a small connector contained in the set.
- When using the light on the DSLR camera so as not to block the viewfinder put the same shoe in the right hole or loosen the pressure nut (Fig. 10) and turn the connector of the battery adapter by 90° (so that the battery adapter was placed on the side of the lamp, by the external controller inputs).

NOTE: After you made adjustments, tighten back the pressure nut.

5. Smooth brightness adjustment

- Setting the dimmer dial to "minimum" reduces power consumption to zero (there is no the need to use switch after every shot to turn off the light).
- The light does not flicker in the whole range of adjustment.

6. Variable color temperature

- Smooth adjustment within the range of 3000K-6500K

7. Digital color temperature memory

- Built-in microprocessor allows you to save any color temperature in the memory bank.
- To call the program just shortly press the button (indicated by a yellow LED lights up). Another short press of the button brings the manual adjustment of color temperature (indicated by the yellow LED goes off).
- To save any new setting, set the color dial to the desired color temperature, and then hold the memory button for 1.5 s (indicated by the yellow LED flashes).
- The used type of microprocessor will maintain the settings in memory even when power is removed.
- The memory is storing only the color temperature - brightness can be still adjusted by the dimmer dial.
- The memory function is available in mode I only.
- When performing an invalid operation fault is indicated by the corresponding LED.

8. Two modes of luminance

- In mode I when adjusting color, brightness varies linearly, whereas in the mode II - logarithmically (so its constant value is maintained).
- To maintain a constant brightness in mode II, set the dimmer dial around 75%. The red LED indicates being outside the scope of constant luminance.
- Mode II activity is indicated by a green LED.
- Mode selection does not change the color dial function.
- The change of the characteristics applies only to the luminance parameter.

9. Contraindications

- Do not connect a higher voltage than specified.
- Do not block ventilation holes.
- There is no incentive to connect remote controllers NRC-03 with power on.
- Do not wash the housing with alcohol or other solvents.

In the case of water damage, disconnect the power, and do not turn on until dry.

10. External brightness/color controller

- To connect the external controllers remove the rubber plugs from the sockets.
- When connecting the controller, light should be turned off (with a switch) or disconnected from the power source - otherwise there is a possibility of damaging the lamp.**
- After connecting the external controller, the corresponding internal dial becomes inactive (when the NRC-03 is connected, the adjustment can be done only by using the controller).
- The LED in the NRC-03 controller when connected to the brightness control input lights green. When connected to the color temperature input lights red.
- You can connect two NRC-03 controllers or use just one.

11. Battery charge status

NOTE

- Battery charge status works only with 7,2V-7,4V rated voltage Li-Ion batteries.
- Connecting higher voltage will damage the charge status.
- The status indicates while pressing the button on the back of the battery adapter.

SIGNAL	MEANING
All the red LEDs are blinking	The battery is charged to dangerously high voltage (unsafe to the battery)
All the red LEDs lit continuously	100% battery charge
Three red LEDs lit continuously	80% battery charge
Two red LEDs lit continuously	60% battery charge
One red LED lit continuously	40% battery charge
None of the red LEDs lit	About 20% battery charge (time to change the battery)
One (the lowest) red LED blinks	Too low battery voltage (unsafe to the battery)

12. Specifications

Variable color temperature:	3000K - 6500K
Dimmer:	0% - 100%
Angle of light beam:	120°
Frame coverage (16:9):	full
Color temperature memory:	1 bank
Luminance characteristics:	2 modes
Amount of light sources:	48
Light source durability:	to 50 000 h

Equivalent to a tungsten light:

- mixed 50/50	90 W
- warm white	40 W
- cold white	50 W

Luminance from 2ft (0,6m) distance:

- mixed 50/50	2380 Lx
- warm white	1035 Lx
- cold white	1345 Lx

Luminance from 1m distance:

- mixed 50/50	990 Lx
- warm white	430 Lx
- cold white	560 Lx

Luminance from 4ft (1,2m) distance:

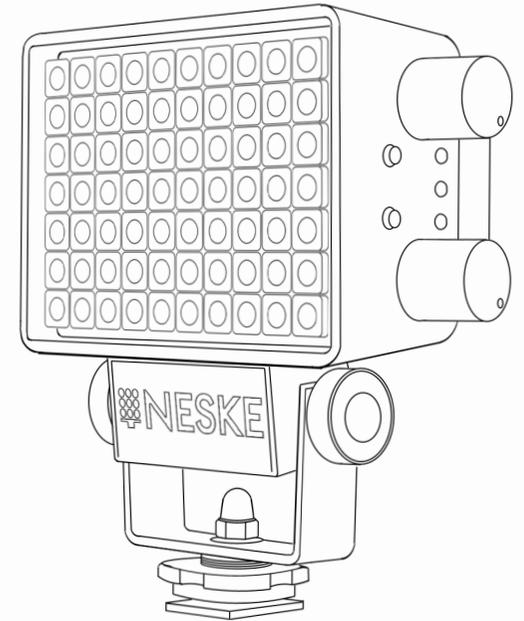
- mixed 50/50	690 Lx
- warm white	305 Lx
- cold white	385 Lx

Luminance from 6ft (1,8m) distance:

- mixed 50/50	260 Lx
- warm white	125 Lx
- cold white	135 Lx

Maximum current draw at 6V	2,9 A
Energy conversion efficiency:	~ 95%
NRC-03 range:	do 25 m
Voltage:	6V - 16V
Lamp holder:	tiltable
Size:	3,5x2,5x2,0 in (90x65x50 mm)
Weight:	0,5 lbs (230g)

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MULTICOLOR 3

User's manual