NEO II

USER MANUAL

Version 1.5

ROTOLIGHT

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BOX CONTENTS

1 x Rotolight NEO 2™
1 x 1/4 Shoe Adapter
1 x Rotolight Universal power adapter with regional mains cable
1 x Filter Holder
1 x NEO 2™ Filter pack:
1 x 216 Full Diffuser (1.5 Stops)
1 x 250 Medium, Half White Diffuser (3/4 Stops)
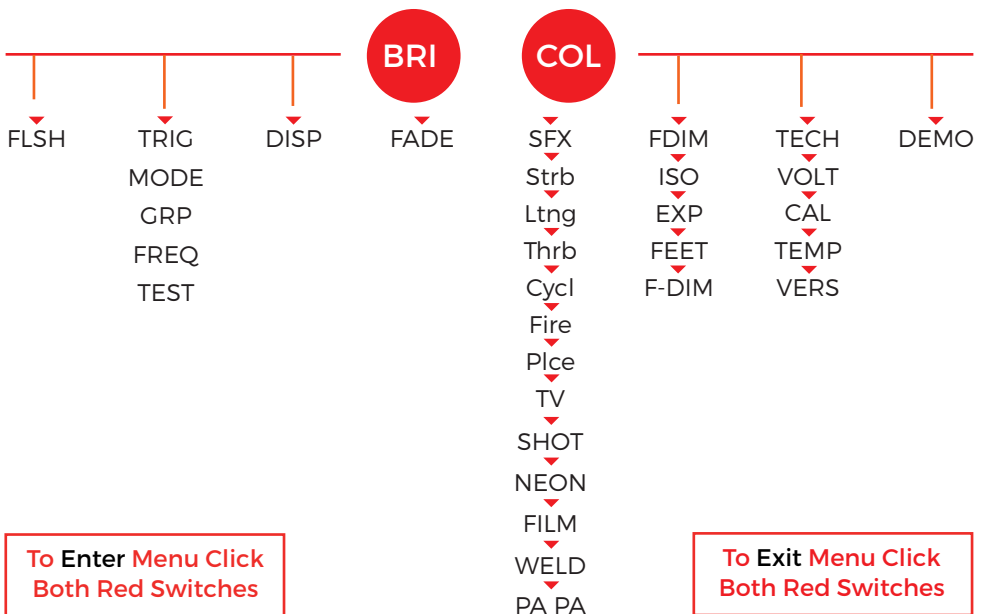1 x 184 "Cosmetic Peach" Diffusion
1 x 279 1/8th Minus Green (Magenta)

Thank you for purchasing Rotolight NEO 2! We hope you enjoy using it as much as we enjoyed making it!

Please register to activate your warranty at
www.rotolight.com/register

DISPLAY

DISPLAYS MENU ITEM OR
SELECTED ITEM

KNOBS

LEFT KNOB = BRI
RIGHT KNOB = COL (KELVIN)
CLICK BOTH KNOBS TO ENTER
/ EXIT MENU MODE

FLASH PORT

3.5MM FLASH SYNC
SOCKET FOR THIRD
PARTY FLASH
TRIGGERING

POWER

SWITCH ON/OFF

DC INPUT SOCKET

15V 60W DC - ONLY USE
PROVIDED PSU OR
ROTOLIGHT ADAPTERS

6 x AA BATTERIES

HOLDS 6 X AA BATTERIES NIMH OR LITHIUM
(RECOMMENDED ROTOLIGHT LIONHEART
NiMH RECHARGEABLE - AVAILABLE
ON WWW.ROTOLIGHT.COM)

SHOE

1/4" MALE ADAPTER

NEO 2 OPERATION FLOWCHART

MENU

BRI   **COL**

FLSH	TRIG	DISP	FADE	SFX	FDIM	TECH	DEMO
	MODE			Strb	ISO	VOLT	
	GRP			Ltng	EXP	CAL	
	FREQ			Thrb	FEET	TEMP	
	TEST			Cycl	F-DIM	VERS	
				Fire			
				Plce			
				TV			
				SHOT			
				NEON			
				FILM			
				WELD			
				PA PA			

**To Enter Menu Click
Both Red Switches**

**To Exit Menu Click
Both Red Switches**

"NEO 2 IS A GAME-CHANGER. YOU'LL NEVER MISS A SHOT.
THERE'S NO RECYCLE TIME, NO LIGHT LOSS, NO POWER LOSS"
Jason Lanier - Sony Artisan of Imagery

Top photo by Jason Lanier www.jasonlanier.com / Bottom photo by Rod Aaron Gammons

FOREWORD – WHAT IS NEO 2?

NEO 2 is an industry-first, all in one High Speed Sync (HSS) Flash and continuous on-camera LED light, integrating the best of continuous LED lighting technology with HSS Flash. Unlike traditional on-camera flash, NEO 2 has no recycle time, which ensures users never miss a shot, making it the perfect light choice for today's modern high-frame-rate-capable cameras.

NEO 2 can be simultaneously a continuous 'modelling light' and HSS flash, allowing the photographer to easily acquire focus in dimly lit situations and optimise composition. Designed for portrait photographers and videographers on the go, NEO 2 provides the 'shoot what you see' benefits of continuous light, and the flexibility of HSS flash (1/8000th sec.) with 500% flash output, whenever users need more power or to freeze action. HSS also enables users to shoot with wider apertures to create beautiful separation between subject and backgrounds.

Rotolight has collaborated with Elinchrom to integrate its 'Skyport' 2.4Ghz HSS wireless flash receiver into NEO 2, eliminating the need to purchase a standalone flash receiver, whilst providing rock-solid reliability, range, flexibility and control for multiple off camera lighting setups. Skyport enables users to wirelessly control up to 10 lights, in four groups at up to 200m(656ft) with the new Rotolight HSS transmitter, optimised for Rotolight by Elinchrom. It is available on launch for Canon, Nikon, Sony, Olympus, Panasonic, and, shortly, Fuji camera systems, and compatible with all other Elinchrom Skyport devices.

"The NEO 2 is going to revolutionise how people use light, and eliminate the need for external flash. If you have those moments that you just cannot afford to miss, this is an incredible light for you. You'll never miss a shot," says Jason Lanier, a Sony Artisan of Imagery and professional photographer. "I tested NEO 2 on a Sony A6500 at 11 frames per

second," explains Lanier. "It fired every single time. There's genuinely no recycle time, no light loss, no power loss. That is just a game-changer, there is no other light in the world that can do that."

Featuring electronically adjustable colour temperature in both flash and continuous modes, with a built in kelvin display, NEO 2 enables photographers to easily adjust white balance or match ambient light settings to create more natural looking shots.

Lightweight and portable, NEO 2 can be mounted both on or off camera for ultimate creative control. Delivering the longest battery life of any speedlight or flash, ever made, NEO 2 provides 85,000 full power flashes on a single set of rechargeable AA batteries, compared to the 200 flashes of a typical speedlight. Now 85% brighter in continuous mode than its predecessor, NEO 2 is a small light that delivers big results.
 "It enables photographers to spend more time composing the perfect shot, rather than spending time on cumbersome lighting setups. For those shooting both stills and video, it entirely eliminates the need for two separate purchases," says Rod Aaron Gammons, managing director of Rotolight.

Packed with innovative features for video users, NEO 2 is ideal for interviews and filmmaking. It includes an updated suite of CineSFX™ effects, Rotolight's award-winning feature set for video productions/filmmaking, (fire, lightning, TV, gunshot, paparazzi and others), as well as Designer Fade mode for custom in-camera fade FX.

NEO 2 also features Rotolight's AccuColour™ LED technology that delivers outstanding colour rendering for perfect skin tones. The unique circular shape provides a naturally soft, flattering light output, with Rotolight's signature catchlight effect.

ABOUT ROTOLIGHT

Rotolight is a pioneering British technology company, specializing in creating award winning LED lighting products for photographers and filmmakers. Known for constantly pushing the boundaries of innovation, Rotolight strives to create products that provide unique tools for image makers, allowing them to realise their creative vision and aspirations. Leading where others follow, Rotolight has developed countless industry first features and has been widely recognized with numerous global awards and accolades for its innovation, technical excellence and product quality. As a family business, Rotolight has a unique long term outlook allowing it to focus on continually investing to deliver outstanding quality products, and a totally unique customer experience. Visit www.rotolight.com

NEO 2 BASIC OPERATION

To operate NEO 2 you will find two red rotary controls, which are also switches, and a DC on/off switch, these are all located on the rear of NEO 2.

POWER

To power up NEO 2 click the power switch (located next to the DC input Jack)
NEO 2 is a high performance light, and requires high performance batteries. NEO 2 can be powered by 6 x AA high performance NiMH rechargeable AA or Lithium Batteries (Alkaline batteries are NOT suitable for NEO 2) , NEO 2 can also be powered by 1 x V-Lock battery (with Dtap cable), DC from the supplied AC mains Adapter or from a DC source in the range of 7v -15v (i.e. optional Car 12v Socket, or D-TAP from a broadcast battery). When connecting a power source to the DC input socket, for instance mains adapter or an optional D-Tap to DC connection, the internal batteries are automatically disconnected, thus saving battery power.   NB if you are connecting an external DC source make sure the power is the correct polarity,

to avoid damaging your NEO 2.   For best results use the Rotolight 'Powerex Pro' LionHeart AA batteries and charging systems, these are the most powerful NiMH AA rechargeable available (2700mAh) and are designed for demanding systems like the NEO2, or 'Eneloop PRO' AA batteries. Alternatively use the Rotolight RL-Batt-95, 95mWh V-Lock batteries with Dtap cable (available from Rotolight.com) which will run your NEO 2 for up to 8 hours at full power.

To power up NEO 2 click the power switch (located above the 'FLASH' input Jack)

On power up, you will see 'ROTOLIGHT NEO 2' scroll across the screen, you can interrupt this anytime by operating one of the control knobs.

To power NEO 2 down , click the power switch again.   NB – NEO 2 stores and will recall your last used settings.

RESET

You can reset all the user parameters in NEO 2 by holding down the left red control switch whilst simultaneously powering NEO 2 ON. This resets all the parameters to the factory default settings.

The word 'ZERO' will be displayed, select Y for yes (reset all data), or N for NO.

BASIC OPERATION MODE (BRI / COL)

('BRI') BRIGHTNESS

You can adjust the brightness output of NEO 2 by rotating the left control knob.
If you rotate the knob quickly it will speed up the data input. You can press and rotate to deliberately adjust the brightness in steps of 10% (Fast Mode). Simply rotating the knob will adjust the brightness in steps of 1%.
NEO 2 has a dimming range of 0% -100% and is completely flicker free at any brightness level, shutter speed or frame rate.

(NB There is a special mode called 'True Aperture Dimming' (F-DIM) , available in the MENU section, which will display the brightness as an F-Stop (Aperture), based on your camera exposure settings – see 'True Aperture Dimming')

('COL') COLOUR

You can adjust and accurately display the Colour Temperature (CCT) of NEO 2 by rotating the right control knob.

If you rotate the knob quickly it will speed up the data input. You can press and rotate to deliberately adjust the colour in steps of 100 kelvin (Fast Mode). Slowly rotating the knob will adjust the brightness in steps of 10 kelvin.

NEO 2 has a Colour Temperature Range of 3150 kelvin (Tungsten) up to 6300 kelvin (cloudy/overcast).

Note : For maximum brightness, as a Bi Colour light, NEO 2 will be brightest at the 'mid point' colour : roughly 4100 Kelvin, where both sets of LEDs are at full power. This also applies in flash mode. When mid point colour is set, a small dot will appear in the Red window of the NEO2.

NEO 2 has a special technology called 'Dynamic Drift Stabilisation'™ which maintains the colour temperature through the entire dimming range.

(MENU) ADVANCED OPERATION

You can enter the MENU by pressing both red control switches together (or clicking and holding down the left switch followed by the right control switch).   If you wish to leave MENU at any time, you can return to the basic operation (BRI / COL) by pressing both red control switches together again.

In 'MENU' Mode the left rotary control is Navigation, and the left switch takes you 'back' one level. The

NEO 2 'RESULT SHOT'

Lit by Rotolight NEO2, Photo by Jason Lanier

right rotary encoder is 'value/data entry' and the right switch is 'activate/go/enter/start/trigger' depending on the menu position.

In the MENU there are eight optional submenus , through which you navigate by rotating the left knob:
'FLSH', 'TRIG', 'DISP' , 'FADE' , 'SFX ', 'F-DIM' , 'TECH' , 'DEMO'
You can select/enter your desired sub menu function by clicking the Right switch

You can leave the selected function by clicking the Left switch, alternatively you can leave MENU mode and return to the basic operation mode (BRI /COL) at any time by pressing both switches together at the same time.

('FLSH') FLASH MODE

NEO 2 is capable of High Speed Sync Flash (HSS, 1/8000th), and has a built in Elinchrom SKYPORT wireless HSS receiver. For best results, use the

Photography by Jason lanier www.jasonlanier.com Model : Yvonne

'Rotolight HSS Transmitter' (RL-HSS-TX) (by Elinchrom) available now for Sony, Canon , Nikon, Olympus and Panasonic cameras (Fuji coming soon) from Rotolight.com and all major stores. Capable of controlling up to 10 Rotolight NEO 2's, in four groups, the Rotolight HSS transmitter also provides wireless control of NEO 2 brightness and colour temperature in both flash and continuous modes (Rotolight HSS transmitter only), and can trigger CineSFX and Designer Fades (see Page 23/24).

USING THE FLASH MODE : Scroll to 'FLSH' and click the right switch to enter 'FLSH' mode.

Note: in order to use the Flash, you must be IN flash mode (indicated by shutter speed on the display. If you see word 'FLSH', you are not IN flash mode and must right click to ENTER flash mode)
Set your Camera to Manual flash mode. NEO 2 is not a TTL flash, it is a Manual Flash with adjustable flash power, modelling light, colour temperature and duration settings.

Simple operation: set your camera into Manual flash mode, refer to the F stop table (p.X) for exposure guide, take a test shot and either adjust flash power, or distance to the subject to achieve optimal exposure.
Rotate the left knob to set the desired 'Modelling Light' level in order to preview focus, shadow and highlights on your subject (in %, 0-100%) and compose your photograph .

(Note : NEO 2 is intentionally less bright whilst in modelling light mode than regular continuous light mode, in order to make the light more comfortable for the subject and prolong battery life)

Press, hold AND rotate the left knob to set the desired 'Colour Temperature' for your flash (in kelvin, from 3150-6300k – Note: as a bi-colour light, the flash will be at its brightest at midpoint 4100K, indicated with a red dot in the display)

Rotate the right knob to set the desired duration for the flash, in shutter intervals, i.e. 1/50s, 1/60s, 1/80s, 1/100s...up to 1/1000s ('1/1K0'). TOP TIP : NB – *recommended* you can just leave the duration set to 1/50th and NEO 2 will automatically adjust the duration for you if the number of frames per second requires a shorter flash.

Press, hold and rotate the right hand knob to set the flash output power, 'MAX' (=250% of MAX continuous output), '1/2' (=125%), '1/4' (=62%), 'X8' (=modelling light level x 8), and 'X16' (= modelling light level x 16). NB - when an external 15v power source is connected (such as the AC adapter or V-Lock battery) the NEO will automatically raise the flash output power to 'MAX +' (= 500% of the normal continuous maximum output, or 1 x f-Stop more flash power)

To trigger the flash from your Camera (wired operation), connect a PC sync cable from your camera's PC sync port to the 3.5mm mono jack on the NEO 2. (If your camera does not have a PC sync port, then you can purchase the optional 'Rotolight Accessory Shoe to PC' adapter and the PC Flash sync cable, which converts your accessory shoe into a PC socket).

NB : PC sync is limited to your camera's internal sync speed (usually 1/60th up to 1/250th). IT IS NOT HIGH SPEED SYNC

Rotolight HSS trigger by Elinchrom :

To shoot in High Speed Sync , you will need an HSS wireless transmitter, such as the Rotolight or Elinchrom HSS transmitter (both are compatible with the internal receiver inside the NEO 2)

Using third party Triggers :
Alternatively, you can connect third party flash receivers or transceivers which have a PC sync or 3.5mm flash output, with a PC sync/3.5mm cable to the 3.5mm mono jack FLASH Trigger input jack located on the rear of NEO 2. Use the provided Cold

shoe to mount NEO to the third party receiver, or the Rotolight Mini Arm (RL-ARM-MINI, sold separately). Connect the transmitter on your camera (such as Godox, Phottix, Sony, Pocket Wizard, etc) and follow the instructions supplied with your transmitter.

Recommended settings for simple one-light operation:

1) Set flash power to MAX (or MAX +, if available)
2) Set flash duration to 1/50th (any faster shutter speed ie 1/100th will be automatically captured)
3) Set colour temp (Kelvin) to midpoint (approx. 4100K – midpoint is indicated by a dot in lower Right hand corner of the Kelvin display)

Shooting in High Speed Sync

NEO 2 is a High Speed Sync(HSS) capable flash. High speed sync allows you to utilize the flash of NEO 2, and synchornize it with your cameras shutter release, at speeds faster than your cameras native internal sync speed (typically 1/160th or 1/250th). This enables you to freeze action, and shoot with wider apertures for improved subject isolation.

NEO 2 will happily work with any camera and any trigger/receiver with a PC sync input, however to shoot in High Speed Sync a) your camera must itself be capable of HSS (many are not) , and b) you must use a HSS capable trigger and receiver (most trigger/receivers are not natively HSS compatible unless explicity stated).

* PLEASE CHECK THAT YOUR CAMERA AND TRIGGER EQUIPMENT IS CAPABLE OF HIGH SPEED SYNC.

NOTE : NEO 2 will flash once for the duration set shutter interval when syncing in HSS, ensuring that the complete frame is illuminated. If NEO 2 detects a flash re-trigger event during a set interval , it will automatically adjust the duration of the flash to a shorter interval , to avoid damage occurring to the LEDs.

TRIG

Recommended triggers :

(Compatible with Internal built in flash receiver)
Rotolight HSS Transmitter (Canon Nikon Sony Olympus Panasonic)
Elinchrom HS Transmitter Plus (Canon Nikon Sony Olympus Panasonic, download latest firmware from Elinchrom.com for Rotolight integration)

(Other HSS transmitters which will require a receiver or transceiver connected to the Flash Sync Port on NEO 2)
Godox X1T (use with the Godox X1R receiver)
Pixel King Pro - Sony, Canon, Nikon
Flashpoint R2
Phottix ODIN II (HSS) – Canon, Nikon, Sony
PocketWizard (HSS) : FlexTT5, and FlexTT6 support High Speed Sync (HSS) for Canon and FP Sync for Nikon.
Cactus VI II (HSS) : Fuji, Canon, Nikon, Pentax, Olympus, Panasonic

To Exit Flash Mode

Click the left switch to return to MENU, alternatively you can return to the basic operation (BRI / COL) by pressing both control switches together.

('TRIG') SETTING NEO2 TO USE THE BUILT IN SKYPORT HSS RECEIVER
(2.4Ghz Wireless Flash Triggering Using the built-in ElinChrom SKYPORT HSS Receiver)

NOTE : NEO 2 will default to Channel 1, group 1 (same as the Rotolight HSS transmitter by Elinchrom), with Skyport trigger turned ON. Therefore, to use flash, you do NOT need to access the TRIG menu unless you wish to turn Skyport Off, or to change the group or Channel.

Scroll to 'TRIG' , Click the right switch to enter 'TRIG'
Rotate the left knob to scroll through 'MODE' , 'GRP', 'FREQ', 'TEST'
Click the right switch to enter 'MODE'
Rotate the right knob to change from 'Off' to 'SKYP'

(SKYPORT), this activates the SKYPORT wireless HSS trigger. (NB: NEO2 will also still flash in Skyport mode from a wired external source connected to the Flash Synch 3.5mm Jack port)

Rotate the left knob to scroll to 'GRP' (SKYPORT Group)
Click the right switch to enter 'GRP' settings
Rotate the right knob to select your desired group (GP 1-4)
Click the left knob to set and return

Rotate the left knob to scroll to 'FREQ' (SKYPORT Channel)
Click the right switch to enter 'FREQ' settings
Rotate the right knob to select your desired Channel (Ch 1-20)
Click the left knob to set and return

Rotate the left knob to scroll to 'TEST' (SKYPORT Trigger Input Monitor)
Click the right switch to enter 'TEST', '0 . 0' is displayed

SETTING UP THE HS TRANSMITTER

First turn on your NEO 2, then turn after a few seconds, turn on your Rotolight or Elinchrom HS Skyport Plus HS Transmitter (the latter requires a free firmware update required from Elinchrom.com).
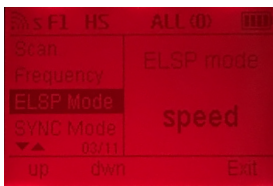
In the setup menu, scroll down to 'ELSP' and within that sub menu, rotate the rotary wheel to 'Speed' Mode, and press the centre button (inside the rotary wheel) to activate speed mode (The transmitter display should turn red)
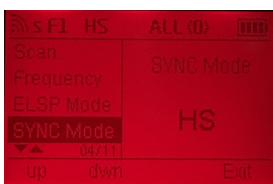
Next, in the Setup menu, scroll down to 'Sync Mode' and within that sub menu, rotate the rotary wheel to 'HS' (for High Speed) Mode, and press the centre button (inside the rotary wheel) to activate speed mode (HS will be displayed on the screen – note Sync menu does not appear in Nikon transmitters and is not required to be activated for HSS)
The Rotolight HSS transmitter by Elinchrom will default to Group 1, channel 1, same as NEO 2. When

the transmitter is connected to NEO 2, you will see it listed as a connected device on the LCD display, with an ID number.

You can check the transmitter is set to the same Group as NEO 2 by pressing the 'Group' button (toggles through 'All, 1, 2, 3, 4')

Check it is set to the same 'frequency/channel' as NEO 2 by pressing 'Setup' / Frequency (set Channel Number 1-20)

Put the NEO 2 into flash mode (you will see duration stated ie 1/50th), Press the Elinchrom Logo test button on the transmitter, and on NEO2 will flash if correctly connected

If nothing is received , check the receive channel and group are correctly set on both NEO2 and the HS Transmitter.

Once working, on NEO2 , Click the left button to exit, or both Left and right buttons together, to exit back to ('BRI/COL')

You have now configured your HS Transmitter and NEO 2.

SPECIAL NOTE : Turn on the NEO2(s) first, followed by the SKYPORT HS Transmitter, then your camera. If you later add an additional NEO 2 in your setup, or you turn the NEO 2 off during shoot, then press the 'refresh' button to rescan for available lights.

Make sure the SKYPORT Transmitter is set to HS mode in settings. Select your desired exposure duration from the Camera, and shoot in single or multiframe mode using your camera shutter release, the NEO2 will flash in sync with the camera at up to 1/8000th second exposure.

The Rotolight/Elinchrom HSS transmitter is currently available for Canon , Nikon , Sony, Olympus, and Panasonic Camera systems, in 2018 there will be a version for Fuji. (more info on www.rotolight.com)

WHEN YOU HAVE NEO 2 SKYPORT CONFIGURED YOU CAN REMOTE CONTROL NEO2

On the Rotolight/Elinchrom Transmitter press the second 'soft key' (MOD+(click twice to see mod+)

NEO 2 F STOP table in FLASH MODE (measured at midpoint colour 4110K)

Distance (ft)	3				6				9			
Lux	2000				510				227			
Fc	185				47				21			
Lumens	1032				1032				1032			
ISO	F-stop FLASH mode (AA)	Guide Number (GN)	F-stop FLASH mode (PSU)	Guide Number (GN)	F-stop FLASH mode (AA)	Guide Number (GN)	F-stop FLASH mode (PSU)	Guide Number (GN)	F-stop FLASH mode (AA)	Guide Number (GN)	F-stop FLASH mode (PSU)	Guide Number (GN)
200	5.6	16.8	8	24	2.8	16.8	4	24	2	18	2.8	25.2
400	8	24	11	33	4.0	24	5.6	33.6	2.8	25.2	4	36
800	11	33	16	48	5.6	33.6	8	48	4	36	5.6	50.4

Shutter speed = 1/60th

Measured at midpoint colour temperature 4110Kelvin with Sekonic flash meter, no modifiers or intensifiers used.

ROTOLIGHT NEO - 3 LIGHT KIT 'IN ACTION'

Photo by Jason Lanier

PWR Button(control Brightness of Neo 2)

Encoder Wheel

Test Flash Key (Single Click=right click, Double click=left click from Neo 2)

and use the wheel to control NEO Colour
On the Rotolight/Elinchrom Transmitter press the first 'soft key' (PWR) and use the wheel to control NEO Brightness on all lights connected on that Channel and group.

To enter flash mode, on the Rotolight/Elinchrom Transmitter press the Test key (Elinchrom Logo Key) , ('MENU' ...then 'FLSH' will be displayed) , Press the Test key again to enter Flash mode.

To Test the Flash, press the Test key (Elinchrom Logo)
To change the flash power settings press the second 'soft key' (MOD) and flash power setting will be displayed on the NEO2.   Rotate the rotary control to change the setting.
In Flash mode, press (PWR) and use the encoder to change the Modelling light brightness
In Flash mode, press (MOD+) and use the encoder to change the Flash and modelling light colour temperature (3150-6300)
To exit flash mode, press (MOD) and rotate the encoder wheel to the left (anticlockwise), Neo will flash briefly and return to (BRI/COL) mode.

NAVIGATING MENU MODE USING HS TRANSMITTER REMOTE CONTROL
When you are in (BRI/COL) mode press the 'Test Button' (Elinchrom Logo), ('MENU' then 'FLSH' is displayed).   Use the rotary encoder to select the menu item you would like to control ('FLSH', 'TRIG', 'DISP', 'FADE', 'SFX', 'FDIM', 'TECH', 'DEMO').
Press the Test Button (Elinchrom Logo) to enter the sub menu, e.g. 'SFX' then you can select menu items using rotary encoder, and press the Test Button once to select/trigger/pause etc.
NB: To exit and go back one step , press the test button twice
NB: To exit 'MENU' and go back to (BRI/COL), press the test button twice

If NEO 2 is in MENU mode, you can use the wheel to scroll through the menu items, and use the Elinchrom Logo button to enter or trigger a menu

item (this way you can select or remotely trigger Fades or the CineSFX items).

DISP ('DISP') DISPLAY

Allows the display to be set to low brightness or 'off' to reduce power consumption/increase battery life or for discrete usage on set.
Click the right switch to enter 'DISP'
Rotate the left knob to select the display mode:
'High' – the display will be at full brightness
'Low' – the display will be dim, reduced power consumption
'Off' – The display will automatically switch off after 5 seconds unless a control is operated for maximum power saving or discretion on set.

Click the left switch to return to MENU, alternatively you can return to the basic operation (BRI / COL) by pressing both control switches together.

FADE ('FADE') DESIGNER FADE™

(Programmable fade up / fade down for practical 'in-camera' production fade effects)
Scroll to 'FADE'
Click the right switch to enter 'FADE' mode
Rotate the right knob to adjust the fade duration (range is up to 12 seconds up or down)
(It will display DN (=fade down) followed by a numerical value 'X's where X = seconds of fade duration)
The fade can be from 1 to 12 seconds long.
Please note, the FADE will be a fade to zero from the current brightness level the NEO 2 is set to (i.e. if brightness is currently 80%, then fade will be 80%-0% over custom time duration).

(NB: both the last used brightness setting and fade duration parameter are stored in non volatile memory)
Once you have selected the length of the fade, click the right switch to perform the fade (you can also trigger the fade using an external flash trigger via the FLASH sync port).

You will notice the display now shows UP X s (i.e. it will now fade up to your previous brightness setting over 'X' seconds)

To fade up click the Right switch again
If you only want Fade downs use the Left switch to click out of FADE and click back in – use the Right switch to perform the Fade.

Click the left switch to return to MENU, alternatively you can return to the basic operation menu (BRI / COL) by pressing both control switches together.

('SFX') CINEMATIC SPECIAL EFFECTS

In collaboration with Stefan Lange, DOP and Visual FX Veteran, we have created an arsenal of Cinematographic Special FX (CineSFX™) , these production tools are designed to complement your feature/ music video/short film.

SFX Brightness and Colour Temperature :
Please note, the current 'BRI' brightness level and 'COL' colour temperature setting of NEO 2 is used by SFX mode to represent the 'peak output' level of each effect, enabling accurate metering (i.e. if NEO 2 is set to 75% brightness and 5600 Kelvin, then the lightning effect peak brightness level shall be 75% brightness at 5600 Kelvin).
Therefore, to ensure maximum SFX brightness, set NEO 2 to 100% brightness and 4100 Kelvin for maximum brightness in SFX mode.

To adjust the colour temperature of the light to better match your desired effect, i.e. for 'Fire', set the 'COL' to 3150kelvin, for 'TV' set the 'COL' to '6000k', for Lightning' set the 'COL' to 6300k. To do this, once you have selected your desired SFX (ie FIRE), press hold AND rotate the right knob to set the desired 'Colour Temperature' (in kelvin, from 3150-6300k).
To similarly adjust the peak (maximum) brightness level of your desired effect, once you have selected your desired effect press, hold & rotate the left knob.
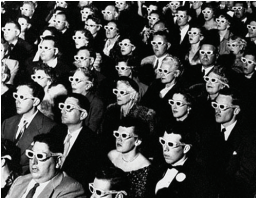
WARNING - HEALTH HAZARD – USE STROBE WITH CAUTION: CineSFX™ mode uses Strobe Lighting effects that may pose a risk to those at risk of photosensitive seizures/ epilepsy. Manufacturer accepts no liability or responsibility for misuse of this product. You should take all precautions to pre-warn and ensure the safety of those who may come into contact with the product. If you or any of your relatives have a history of seizures or epilepsy, consult a doctor before using. If you feel unwell from using these effects, immediately discontinue use and consult a doctor. If strobe lighting is to be used in a production, warnings should be posted at the front of house or entrance doors to the set/theater as well as in a video or program, if distributed. Example: "WARNING: Strobe lights are used during this performance".

This product is not suitable for use by children of any age and is designed for professional use only.

('SFX') CINEMATIC SPECIAL EFFECTS (CineSFX™)

Click the Right switch to enter 'SFX'
Rotating the left knob cycles through the available 'SFX':-'Strb' - 'Ltng' - 'Thrb' - 'Cycl' - 'Fire' - 'Plce' - 'TV'

You can activate your selected SFX function by clicking the Right switch

You can leave the selected function by clicking the left switch, alternatively you can return to the basic operation mode (BRI /COL) at any time by pressing both switches together at the same time.

('Strb') STROBE

The Strobe effect produces a regular flashing light, you can control the speed
Click the right switch to activate the strobe effect, Rotate the right knob to adjust the strobe speed
(It will display XX hz , where= 'XX' = number of strobe cycles per second). The strobe range is from 0.3hz up to 7hz. (NB: the last used strobe parameters are stored in non volatile memory). Rotate the left knob to adjust the 'duty cycle' (flash duration) to

eliminate any issues with rolling shutter cameras (This is known as 'Rolling Shutter Compensation') where you can match the light flashes to match the Shutter Speed and/or Frame Rate of your camera, to avoid unlit portions of the image/frame. Click the left switch to exit the Strobe Menu and return to SFX Menu.

LTNG

('Ltng') LIGHTNING

The lightning effect simulates real lightning, it is a random effect but you can control the speed at which the lightning bursts re-occur, and because this is a stroboscopic effect you can also adjust the 'Rolling Shutter Compensation', and this effect is triggerable. Ideally you would set the brightness (BRI) to 100% and the colour (COL) temperature to 6000k.
Click the right switch to activate the lightning effect Rotate the right knob to adjust the lightning cluster re-occurance speed.
(It will display XX hz which is an indication of the effect frequency) The lightning range is from 1hz up to 50hz.
Click the right switch to arm the effect and fade to black, 'Trig' will be displayed - re-click the right switch to trigger the effect (you can also use a flash trigger connected to the 'FLASH' port jack to trigger and stop the lighting).
Rotate the left knob to adjust the 'duty cycle' (flash duration) to eliminate any issues with rolling shutter cameras. (NB: the last used lightning parameters are stored in non volatile memory).
Click the left control switch to exit the lightning effect and return to SFX Menu.
(NB the duration of the lightning flashes is 20ms which is the recommended duration for cinematography,   The lightning strikes come in bursts of between 2 and 8 random length pulses)

THRB

('Thrb') THROB

Throb is a regular smoothly pulsing light.
Click the right switch to activate the 'Throb' effect.
Rotate either the left or right knob to adjust the

'Throb' effect frequency
(It will display XX hz which is an indication of the effect frequency). The Throb range is from 1hz up to 50hz.   (NB: the Throb parameters are stored in non volatile memory). Click the left switch to exit the Throb effect and return to SFX Menu.

CYCL

('Cycl') Colour CYCLE

Cycle is a regular smoothly pulsing light which fades between the tungsten and blue LEDs
Click the right switch to activate the 'Colour CYCLE' effect.
Rotate either the left or right knob to adjust the 'Cycle' effect frequency (It will display XX hz which is an indication of the effect frequency)
The Cycle range is from 1hz up to 50hz. (NB: the Cycle parameters are stored in non volatile memory). Click the left switch to exit the Cycle effect and return to SFX Menu.

FIRE

('Fire') FIRE

Fire is a complex emulation of a burning fire and it can be tuned to your requirements.   Some VFX artists like to use multiple lights with slightly different settings/gels to achieve a fire with 'dancing shadows' and stereoscopic characteristics.

NB Before activating the Fire effect it is a good idea to adjust the 'COL' colour to 3150 kelvin.
You can meter 'NEO 2' output which will be your peak exposure during the Fire effect.
Click the right switch to activate the 'Fire' effect.
Rotate either the right knob to adjust the 'Fire' effect frequency (It will display XX hz which is an indication of the effect frequency – around 45hz is nice for a 'campfire').

Rotate either the left knob to adjust the 'Fire' effect depth threshold (residual glow) (about 35% is nice for a 'campfire')

TV SIMULATION

LIGHTNING

FIRE

(It will display XX % which is an indication of the effect depth).

Inside the fire effect there is a switchable parameter called 'ColourSwing BLUE' which emulates the colour transition of flames going up the chimney (i.e. from yellow to blue), to activate this parameter click the right button ('BLUE' is displayed).

To deactivate 'Colour Swing BLUE' click the right knob again and 'MONO' (Monochrome) will be displayed.
(NB: the Fire parameters are stored in non volatile memory)

The fire effect can be enhanced with a warm colour filter included within the optional add on Colour FX Pack (RL-NEO 2-CFP) available from your dealer or www.Rotolight.com ('205' LED CTO is recommended for best impact, '182' Light Red also works well, or an Amber, CT Straw or other CTO filter).

('Plce') POLICE

This effect is an emulation of an emergency services light – it works best by adding the 712 Bedford Blue, or '182' Light Red Filter Gel included within the optional Add On Colour FX Pack.

Click the right switch to activate the Police effect
Rotate either the left or right knob to adjust the Police beacon speed
(It will display XX hz , which will give you an indication of the effect speed)

(NB: the Police parameters are stored in non volatile memory). Click the left switch to exit the Police effect and return to SFX Menu.

('TV') TELEVISION

This effect is an emulation of someone watching a TV show – it works best by setting the 'COL' colour to around 6000kelvin to emulate the light from a cathode ray tube.

Click the right switch to activate the TV effect.
Rotate either the left or right knob to adjust the TV effect speed (It will display XX hz , which will give you an indication of the effect speed).

Click the right switch to pause the effect / fade to black - 'Trig' will be displayed - re-click the right switch again to Trigger the effect. (you can also use an external flash trigger to trigger the TV effect, just connect this to the 'FLASH' sync port on the rear of NEO 2)
(NB: the TV parameters are stored in non volatile memory). Click the left switch to exit the TV effect and return to SFX Menu.

Click the left switch to return to MENU, alternatively you can return to the basic operation (BRI / COL) by pressing both control switches together.

('Shot') SHOT

This effect simulates the light produced when a gun is fired.
Enter the effect by pressing the right switch. Trigger the effect by pressing the right switch , or trigger the effect externally via the Trigger Port. Control the decay time of the gunshot using the right rotary control. Use the left rotary control to control the 'colour swing' of the fire coming from the muzzle, I.e. Rotate right (clockwise) to set a blue to orange value, or rotate left (anti-clockwise) to select an orange to blue value

To exit the effect , press the left button, or to exit back to basic BRI/COL operation press both switches.

TECHNICAL SPECIFICATION

ROTOLIGHT NEO 2	
BEAM ANGLE	50 Degree
TLCI (Television Lighting Consistency Index)	91 Appproved for live broadcast without correction.
OVERALL CRI (Ra) SKINTONE CRI (R15)	CRI => 96 (Skintone R15, CRI=98)
POWER CONSUMPTION @100% OUTPUT	12 Watts @100% Output 15 V DC
LUX at 3FT(0.9m) *F-STOP at ISO 200/400/800	2000 f8.0 / f11.0 / f16
LUX at 6FT(1.82m) *F-STOP at ISO 200/400/800	510 f4.0 / f5.6 / f8.0
LUX at 9FT(2.74m) *F-STOP at ISO 200/400/800	227 f2.8 / f4.0 / f5.6
CONTROL	Local or Skyport wireless, with Dynamic Drift Compensation and Thermal Monitoring
WEIGHT	354g (body only) 504g inc inc 6xAA
DIMENSIONS	Diameter 145mm (5.7") x Depth 50mm (1.96")
MOUNTING	Integral 1/4"- 20 tripod mounts, with Hot Shoe Adapter
PEAK OUTPUT	2000 Lux at 3ft (measured at midpoint of 4110 Lux)
LUMINOUS FLUX	1032 Lumens
COLOUR RANGE	3150K-6300K
INCLUDED FILTERS	216 - Full Diffuser, 250 - Half Diffuser 184 - Cosmetic peach Skin Tone 279 - 1/8 Magenta
BATTERY LIFE	85,000 flashes or 2 Hours (Continuous Mode)
Max Shutter Sync Speed Flash Duration at Max Power	1/8000th Adjustable from 1/50th - 1/1000th

* F-Stop measured using PSU in Flash Mode at 4110K, 1/60th Shutter Speed (AA Battery Mode 1-stop less bright)

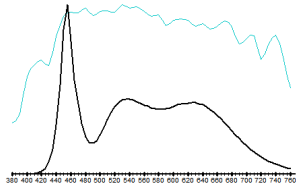# ROTOLIGHT LED TLCI TEST RESULT

Rotolight LED (5600): CCT = D5478 (-2.1)

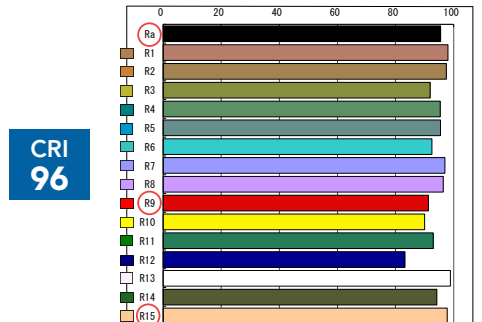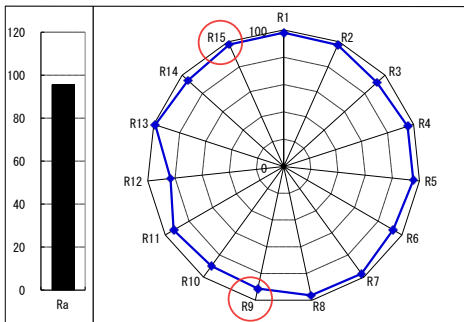**TLCI-2012 : 91 (D5478)**

EBU : TLCI-2012
Alan Roberts - Oc

Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	-
Y	0	-	-
Y/G	0	-	0
G	0	-	0
G/C	0	0	+
C	+	0	0
C/B	+	0	- - -
B	0	- -	- -
B/M	0	-	0
M	0	0	0
M/R	0	0	0

ColorChecker, video (601/709) coded

PHOTOMETRICS

FIXTURE	LED Angle	3 ft. / 0.9m		6 ft. / 1.82m		9 ft. / 2.74m	
NEO 2 (at mid point 4110K)	50°	194fc	2000 lx	49fc	510 lx	21fc	227 lx

CRI TEST

CRI **96**

x	y	Tcp(JIS)	duv(JIS)	Peak Wavele	Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0.3890	0.3685	3700	−0.0063	456	96	98	97	92	95	95	93	97	96	91	90	93	83	99	94	98

('Neon') NEON

This effect is used to simulate a faulty NEON fixture. To enter the effect click the right switch. Use the right switch to start/stop the effect, alternatively use the sync/tigger input port to externally start/stop the effect.

The right rotary encoder controls the flicker speed of this effect.

To exit the effect press the left switch. To exit to BRI/COL operation press both right and left switches together.

('Film') FILM

The 'Film' SFX effect is designed to simulate the light coming from a celluloid film projector in a movie theatre. To enter the effect click the right switch. You can start stop the effect using the right switch or an external trigger from the Flash Sync and Trigger port. The right rotary control changes the speed of the movement on the screen. The left rotary control changes the the speed of the flicker frames emulating the sprocket fed film.

To exit this effect press the left switch, to exit back to basic (BRI/COL) operation press both left and right switches together.

('Weld') WELD

This effect simulates the light from an electric arc welding torch.

To enter the effect press the right switch. The right rotary control varies the speed of the effect. The right switch starts / stops the effect, or you can also start/stop the effect via the external trigger port .

A key characteristic of the arc welding process is the electric blue arc flame and the orange sparks, you can use the left rotary control to set the balance between the two components of this effect.

To exit the effect press the left switch, or to exit back to basic BRI/COL operation press both switches together.

PAPA

('Papa') PAPARAZZI

This effect is used to simulate a flash mob of Paparazzi photographers.
To enter the effect click the right switch. Use the right switch to start/Trigger/stop the effect, alternatively use the sync/tigger input port to externally start/stop the effect.
The right rotary encoder controls the flicker speed of this effect.
Press and turn the Left encoder to control the brightness of the effect
Press and turn the right encoder to control the colour temperature of the effect
To exit the effect press the left switch.
To exit to BRI/COL operation press both right and left switches together.

Manufacturer's Limited Warranty

Rotolight Ltd will extend to its customers a Limited Manufacturer's Product Warranty of 1 Year on Manufacturer's Products from their date of purchase. This warranty shall not include General 'wear and tear', and shall be invalidated by tampering with, dropping or damaging the product or misuse. The Manufacturer's Products warranty will specifically not include the tearing or damage to filter Gels, (unless immediately reported upon delivery), water damage to the unit, battery acid damage to the unit, stress fractures to the unit, filter holder or battery mount(unless reported on delivery), or disconnection of wires (unless reported on delivery).
Customer will be solely liable for any and all shipping costs, duties and import taxes of any components or units returned for service/repair. This warranty is subject to the manufacturer standard terms and conditions available on request. This product is made for professional use.

Extended 3 year warranty is available within the first month of purchase from **www.rotolight.com**

Rotolight NEO 2 Result Shots
Jason Lanier Photography

Rotolight NEO 2 Result Shots
Peter Muller Photography

('F-DIM') TRUE APERTURE DIMMING ™

(Shows the brightness setting as an accurately calculated aperture (F-Stop) for your subject at a given distance).
Cycle the menu to 'F-DIM' then click the right switch to enter 'F-DIM' mode.
Rotating the left knob cycles through the available user parameters:
'ISO' (your camera ISO setting), 'EXP' (your camera shutter speed) and 'FEET' (the distance from the light to your subject in feet).
Rotating the right knob will adjust the selected user parameter (ISO/EXP/FEET).

Clicking the right switch will enter the 'F-Stop Dimming Display' where the brightness is dynamically displayed as an aperture or 'F-Stop (True Aperture Dimming continued).

Adjust the brightness with the right knob and the display will show the adjusted F-Stop aperture for your camera.

(Please note the 'True Aperture Dimming™' algorithm calculates the F-Stop based on the NEO 2 Brightness setting, your camera's ISO and shutter speed, the distance to the subject AND compensates for the skin contrast of the subject)

To re-adjust the last selected parameter (usually FEET) click the right switch, make the adjustment, then click the right switch again to return to the 'F-Stop Dimming Display', alternatively rotate the left knob to select a different parameter to edit, and then click the right switch to re-enter 'F-Stop Dimming Display'.

This enables you to effectively 'bookmark' the user parameter that is dynamically changing during your shoot (i.e. distance to subject), and without needing to re-meter the shot, update the parameter and calculate the revised F-STOP, allowing you to work fast.

You can also choose to work in reverse, i.e. you creatively choose an Aperture (i.e. f-3.0) and match your light to your camera exposure settings, this way all the photos from your shoot will have the same grain structure/depth of field/etc.   This is a novel and very useful way of working creatively and also can save a lot of time.

Click the left switch to return to MENU, alternatively you can return to the basic operation (BRI / COL) by pressing both control switches together.

('CNTL') CONTROL

(In 'CNTL' submenu, you can change the control mode from local or DMX, and set the active DMX channels for 'BRI' and 'COL').
In 'MENU', Navigate to 'CNTL' using the left knob.
Click the right switch to enter 'CNTL'.
'MODE' is displayed, select using the right switch, click the right switch to select Local Control ('locl') or DMX slave mode ('dmx').
Exit to MENU by pressing left switch.

To set the DMX active channels navigate to 'DMX' by rotating left knob, select using right click, 'bri' will be displayed, use right switch to enter then rotate right knob to change DMX channel value for 'bri', when set press left switch. Rotate left knob to navigate to 'col', right click to select, then adjust DMX channel for colour temperature by rotating right knob. Once set, use left switch to exit (default 'bri' DMX channel is 1, default 'col' DMX channel is 2) to exit to MENU press left switch twice.

('TECH') TECHNICAL UTILITIES MENU

(In 'TECH' submenu you can monitor battery voltage , set up a custom calibrated colour, monitor the operating temperature, or check the firmware version)

('VOLT') VOLTAGE

VOLT mode will scroll display the voltage from the selected power source. (e.g '9.4V BATTERY' or '15.2V DC IN'). Please note NEO 2 will automatically give you a warning if the voltage drops too low which indicates a battery change is needed (e.g. 'Low Battery'). NEO 2 will also put a blinking dot on the bottom right of the current display to indicate Low Battery Voltage whilst reducing the output by progressive steps of 10% until voltage stabilises to eliminate flicker.

NEO 2 will operate from 6V DC up to 17.5V DC.
Only connect external power sources with the correct polarity and voltage to avoid serious damage to NEO 2.

(In 'VOLT' mode, to check your battery performance in action, you can click the right switch and then rotate the left knob to observe the actual battery voltage during the range of dimming)

Click the left switch to return to MENU, alternatively you can return to the basic operation (BRI / COL) by pressing both control switches together.

('CAL') CALIBRATED CUSTOM COLOUR MODE

Click the right switch to enter 'CAL' mode.   The two rotary knobs individually control the Blue channel LEDs ('b' XX), or the yellow channel LEDs ('y' XX).
You can now set very specific colours by balancing the two colour channels, within an expanded range of colour from 2800 kelvin up to 7200 kelvin.   This custom colour value is held as an operating preset whilst you operate the NEO 2, but will be reset if you power the unit down.
It is very useful to have an accurate colorimeter (such as a Sekonic C-700) to create these custom colours.
Click the left switch to return to MENU, alternatively you can return to the basic operation (BRI / COL) by pressing both control switches together.

('TEMP') TEMPERATURE

Click the left switch to display the internal operating Temperature of NEO 2. NB: if NEO 2 detects the battery temperature rising to 58 degrees or above, it will display 'Too Hot' (touch any knob to clear message) and automatically cut the output down to 25% to prevent overheating.
(Please use only quality battery systems with NEO 2, such as the Rotolight LionHeart 95mWh V-Lock, which will drive the light at full continuous power for up to 3 hours).

Click the left switch to return to MENU, alternatively you can return to the basic operation (BRI / COL) by pressing both control switches together.

('VERS') FIRMWARE VERSION

Click the left switch to display the firmware version installed in your NEO 2.
(NB: The firmware can be updated if required by your Rotolight Distributor via the update port on the back of NEO 2)
Click the left switch to return to MENU, alternatively you can return to the basic operation (BRI / COL) by pressing both control switches together.

('DEMO') DEMO MODE

(Use this to let NEO 2 automatically demonstrate a selection of its unique capabilities, mainly useful for retail stores).
Set a desired brightness and base colour temperature using 'BRI / COL'.
Enter MENU then navigate to 'DEMO' by rotating the left knob.
Select 'DEMO' by clicking the right knob.
NEO 2 will now demonstrate a range of effects from its library, whilst simultaNEO 2usly explaining what is being demoed on the red display.
Click the left switch to return to MENU, alternatively you can return to the basic operation (BRI / COL) by pressing both control switches together.

FILTER INFORMATION

A filter holder is included with NEO 2. Simply place your desired filter underneath the filter holder, then using both thumbs, rotate the filter holder into a locking position on the front cover the NEO 2 light (you will hear a positive 'click' to indicate locked). To unlock, rotate in the other direction. NEO 2's filters are 269mm diameter and have a 40.5mm hole in the centre, so its easy to cut your own.
You may combine multiple filters should you so wish (for example Diffuser + Colour FX). Utilizing diffusion filters will not affect the colour temperature of the light setting.

NEO 2 includes a standard filter pack comprising :-

216   Strong Full Diffusion to soften light output and shadows. 1.5 stop light loss.

250   Half Diffusion
          to soften light output & shadows, great
          for portraits. 3/4 stop light loss.
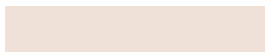
184   'Cosmetic Peach'
          (Cosmetic diffuser for softer skin tones,
          great for portraits and video interviews)

279   1/8th Magenta (or Minus Green)
          adds magenta to match to fluorescent/
          tungsten lighting or enhance 'pinker' skin
          tone (if desired).

There is an optional add on 'Colour Filter Pack' which is highly recommended for photography, and for use in conjunction with CineSFX™ mode.
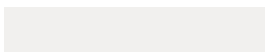
255   'Hollywood Frost'
          (Soft gentle Diffuser with minimal light loss)
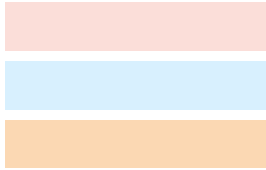**791   'Moroccan Frost'**
          (warm Cosmetic Diffuser to soften and
          warm darker skin tones)
103   Straw (Light sunshine FX, or subtle Fill/Hair
          Light FX)

162 **'Bastard Amber'**
(warm amber Fill/Hair light. e.g. sunshine)
202 **'1/2 CT Blue'**
(great for use with 'Lightning' FX)
205 **LED '1/2 CTO '**
(great for enhancing 'Fire' FX)

The optional 'Colour Filter Pack' (RL-NEO 2-CFP) also includes the following four popular colour FX filters :-

219 **'Fluorescent Green'**
(Great for simulating 'nasty' Fluorescent, abandoned buildings or a TV glow, as used on 'Die Hard 4')
712 **'Bedford Blue'**
(Excellent for Blonde hair light, or "Police" light SFX)
128 **'Bright Pink'**
(Excellent as a hair light for Brunette or darker hair types)
182 **'Light Red'**
(Excellent as a hair light for Brunette, or as a red 'Cop Car Light')

MOUNTING

NEO 2 has three tripod mounting (1/4"-20) standard mounting sockets, positioned at around its circumference so NEO 2 can mount directly onto standard light stands, tripods or arms. These are also used to attach accessories like the barn doors and to mount the light.

NEO 2 is compatible with all the Rotolight Neo 1 & RL48 mounting accessories (foam handle, magic arm and clamp kits).

NEO 2 is incredibly portable at just 450 grams. If you plan to use the NEO 2 with a compact V-Lock battery, like a Rotolight (RL-BATT-95) remotely from the light, you can carry it in a belt pouch (RL48-ABP) with a d-TAP DC cable.

BATTERIES

NEO 2 does not include a battery as standard. NEO 2 will operate from 6 x AA lithium or NiMH rechargeable batteries, or any third party "V-mount" battery with a DC voltage of 7 volts up to 18 volts and a D-TAP Port and D-TAP DC Cable.

Recommended batteries:

DO NOT USE STANDARD ALKALINE BATTERIES WITH NEO2, AS IT NEEDS HIGH PERFORMANCE BATTERIES (Lithium or NiMH AA's)
For best results use Rotolight 'LiONHEART' rechargeable (NiMH) AA Batteries, which will provide 1.5 hours continuous light output at 100% power, or 85,000 full power flashes. As with any electronic device, do NOT mix brands of batteries inside NEO 2 and ensure all batteries have a similar level of charge to avoid overstressing the battery which could lead to the risk of damage to the battery and NEO 2. Alternatively, use the Rotolight (RL-BATT-95) Lithium-ion v-Lock Battery (available from www.rotolight. com) for 6 hours run time, and MAX + flash mode.

The Rotolight V-Lock is also available with a bundled D-TAP wall charger (110/220volt), 2 way battery charger or 4 way battery charger.

WARNING: Take care to use recommended batteries in your NEO 2. If the batteries you are using get hot then use the supplied mains adapter instead.

Recommended Batteries Rotolight Lionheart AA by Powerex Pro Available from www.rotolight.com

Limitation of Liability

The liability of the Manufacturer or Distributor, if any, for damages for any claim of any kind whatsoever with regard to any order placed for the Manufacturer's products, regardless of the delivery or non-delivery of the Products, or with respect to the Products covered thereby, shall not (except in respect of liability for death or personal injury caused by Manufacturers or Distributor's negligence or in the case of fraud) be greater than the actual purchase price of the Products with respect to which such claim is made. Under no circumstances shall the Manufacturer or Distributor be liable for injury or harm caused by product misuse or compensation, reimbursement, or damages on account of the loss of present or prospective profits, expenditures, investments, or commitments, whether made in the establishment, development, or maintenance of business reputation or goodwill or for any other reason whatsoever.

NEO 2 OPTIONAL ACCESSORIES

All accessories are available to purchase
from www.rotolight.com or Authorised Rotolight Dealers

1)   Rotolight Lionheart AA batteries by Powerex PRO (RL-LION-AA)
2)   Rotolight HSS transmitter (RL-HSS-TX)
3)   Rotolight Flash Shoe (RL-Flash-Shoe) for inexpensive flash
        triggering (non HSS)
4)   NEO Barn Doors (RL-NEO-BD)
5)   NEO Softbox Kit (RL-NEO-SOFTBOX)
6)   10 Piece Add on Colour FX Kit (RL-NEO-CFP)
7)   Compact Light Stand (RL-COMPACT-LS)
8)   Rotolight Mini Arm (RL-ARM-MINI) to mount external flash receiver
        to NEO
9)   Replacement filter Pack (RL-NEO-RFP)
10)   Raincover (RS-RTNEO)
11)   RotoPOD mini tripod (RL-ROTOPOD)
12)   360 Pro Ball Head Adapter (RL-360-PRO)
13)   PC Sync to 3.5mm mono jack flash sync cable (RL-35PC-CBL)

Rotolight RL-FLASH-SHOE   Rotolight RL-SOFTBOX   Rotolight RL-ARM-MINI

NEO II

WWW.ROTOLIGHT.COM

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