AEOS

USER MANUAL

Version 7.33

ROTOLIGHT

PAGE CONTENTS

3 Functions & Operation Flowchart
6 Basic Operation
8 Advanced Operation and Flash Mode
11 F-stop table
14 Setting up the HSS transmitter section
16 Designer Fade™
17 CineSFX™
18 Strobe, Lightning
19 Throb, Cycle
20 Fire
21 Police, TV
24 True Aperture Dimming™
25 Control Menu
27 Technical Utilities Menu
30 Filter Information
32 Technical Specification
33 TLCI Test Result
34 Mounting and Batteries
35 Manufacturer's Limited Warranty
36 Limitation of Liability
37 Additional Accessories

BOX CONTENTS

1 x Rotolight AEOS
1 x Professional aluminium ball head (supports 5kg load)
1 x Rotolight universal power adapter with regional mains cable
1 x Filter holder
1 x AEOS 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 AEOS! 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

DC INPUT SOCKET

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

USB PORT

FOR FUTURE FIRMWARE UPDATES

ALUMINIUM HANDLES

INTEGRATED HANDLES FOR HANDHELD SHOOTING AND PORTABILITY

V-LOCK BATTERY PLATE

CONNECT ROTOLIGHT V-LOCK BATTERY OR GOLD MOUNT MODEL USING QR-A200 ADAPTER PLATE

** BATTERY NOT INCLUDED*

KNOBS

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

POWER

SWITCH ON/OFF

FLASH SYNC

3.5MM MONO JACK SOCKET TO CONNECT THIRD PARTY FLASH TRIGGER. USE HSS TRIGGER FOR BEST RESULTS (E.G. Rotolight Elinchrom HSS Transmitter)

DMX IN/THRU

CONNECT TO THIRD PARTY DMX DEVICES OR LIGHTING CONSOLES

PRO BALL HEAD

PROFESSIONAL ALUMINIUM BALL HEAD WITH 360° SWIVEL WITH 1/4 - 20 & 3/8 MOUNTS

OPERATION FLOWCHART

BRI COL

MENU

FLSH

FADE
- DN
- UP

SFX
- STRB
- LTNG
- THRB
- CYCL
- FIRE
- PLCE
- TV

FDIM
- ISO
- EXP
- FEET

CTRL
- ADDR
- LOCK
- MODE
- FREQ
- SKYP
- GRP

TECH
- VOLT
- CAL
- TEMP
- SRNO
- VERS
- DISP
- SCRL
- FINE

DEMO

To **enter** menu click both red knobs

To **exit** menu click both red knobs

"The rotolights are easy to use and handle,
they're perfect for my photography"
Jean Noir - Rotolight Master of Light

Photo by Jean Noir

Photo by Jean Noir

AEOS BASIC OPERATION

To operate AEOS you will find two red control knobs, which also act as switches, and a DC on/off switch, these are all located on the rear of AEOS.

POWER

AEOS can be powered by 1 x V-Lock battery, DC from the supplied AC mains adapter or from a DC source in the range of 7V -15V (e.g. 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 V-Lock battery is automatically disconnected to save battery power. If you are connecting an external DC source make sure the power is the correct polarity to avoid damaging your AEOS. We recommend using Rotolight 95Wh V-Lock batteries (available from rotolight.com) which will run your AEOS for up to 2 hours at full power.

To power up AEOS click the power switch (located above the flash input jack)

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

To power AEOS down, click the power switch again. AEOS stores all the user settings in non-volatile memory so it will remember your last used settings.

RESET

You can reset all the user parameters in AEOS' non-volatile memory by holding down the left red control knob whilst simultaneously powering AEOS on.

The word 'ZERO' will be displayed, select YES (reset all data) or NO.

BASIC OPERATION MODE (BRI / COL)

('BRI') Brightness

You can adjust the brightness output of AEOS 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 adjust the brightness in steps of 10% (fast mode).

AEOS has a dimming range of 0-100% and is completely flicker-free at any brightness level, shutter speed or frame rate.

There is a special mode called 'True Aperture Dimming'™ (FDIM) , available in the MENU section, which will display the brightness as an F-stop, based on your camera exposure settings – see 'True Aperture Dimming'™. (page 24)

('COL') Colour

You can adjust and accurately display the colour temperature (CCT) of AEOS 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 200 kelvin (fast mode). Simply rotating the knob will adjust the brightness in steps of 20 kelvin.
AEOS has a colour temperature range of 3150 kelvin (tungsten) up to 6300 kelvin (reflected daylight sky).

As a bi-colour light, AEOS will be brightest at the 'mid point; colour, around 4200 kelvin, where both sets of LEDs are at full power. This also applies in Flash mode.

Please note that as all LEDs are individually hand calibrated, the mid point on your unit will vary but should be around the 4200K. The display will show a red dot in the right hand corner to indicate the mid point.

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

In ‘MENU’, rotating the right knob navigates through the available submenus, whilst pressing it takes you back one level. Rotating the right knob adjusts a setting, and pressing it acts as enter / trigger / activate depending on the menu position.
In the MENU there are seven submenus through which you navigate by rotating the left knob: ‘FLSH’, ‘FADE’, ‘SFX’, ‘FDIM’, ‘CTRL’, ‘TECH’ and ‘DEMO’.
You can enter your desired submenu by clicking the right knob. And you can leave the selected function by clicking the left knob. Alternatively you can return to the basic operation mode (BRI /COL) at any time by pressing both knobs together at the same time.

(‘FLSH’) Flash mode

Scroll to ‘FLSH’ click the right knob to enter ‘FLSH’ mode.
In order to use the flash, you must be in Flash mode indicated by flash duration 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.
AEOS is not a TTL flash, it is a manual flash with adjustable flash power, modelling light, colour temperature and duration settings. Set your

camera into manual flash mode, refer to the F-stop table (page 11) 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 adjust the brightness of the modelling light (in %, 0-100%). You can use the modelling light to compose your photograph, or set different levels for multiple AEOS lights, and have them flash together, retaining the relative set levels in 'X8' or 'X16' mode
Note: AEOS 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 to conserve battery power.

Press, hold and rotate the left knob to set the desired colour temperature for your flash (in kelvin, from 3150-6300K.)
As a bi-colour light, the flash will be at its brightest at it's mid point colour, see page 7.

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 1/2500s ('1/2K5s').
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).

Finally connect a flash receiver or transceiver which has a PC sync output, with a PC sync cable to the 3.5mm mono flash trigger input jack located on the rear of AEOS below the DC switch or use the optional Rotolight/Elinchrom HSS transmitter which will sync with the Skyport receiver built into AEOS. Place the trigger on top of your camera shoe.

Alternatively for wired operation, connect a long PC sync cable from your camera's PC sync port to the 3.5mm mono jack on the AEOS.

Recommended settings for simple one-light setup:

1. Set flash power to MAX
2. Set flash duration to 1/50th (any faster shutter speed (e.g. 1/100th) will be automatically captured)
3. Set colour temperature (kelvin) to mid point colour, see page 7.

Shooting in High Speed Sync

AEOS is capable of High Speed Sync flash (HSS). HSS allows you to utilise the flash of AEOS, at speeds faster than your camera's native internal sync speed (typically 1/125th or 1/250th).

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 AEOS). Currently Rotolight HSS triggers by Elinchrom are available for Canon, Fujifilm, Nikon, Olympus/Panasonic and Sony cameras.

See page 14 for transmitter set up instructions.

Using third party Triggers :
Alternatively, you can connect third party flash receivers which have a PC sync or 3.5mm flash output, with a PC sync/3.5mm cable to the 3.5mm mono jack trigger input located on the rear of AEOS.

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

Recommended triggers :

Rotolight by Elinchrom (HSS and full remote control) - Canon, Fujifilm, Nikon, Olympus/Panasonic, Sony
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) : Canon, Nikon, Pentax, Olympus, Panasonic.
Cactus VI IIS (HSS) : Sony
Phottix ARES (not HSS) – Canon, Nikon, Sony.
Pocketwizard (not HSS) : Other models.

AEOS F-stop table in FLASH MODE (measured at midpoint colour around 4100K)

Distance (ft)	3ft			6ft			9ft			12ft		
ISO	**F-stop** Continuous mode	**F-stop** Flash mode	**Guide** Number (GN)	**F-stop** Continuous mode	**F-stop** Flash mode	**Guide** Number (GN)	**F-stop** Continuous mode	**F-stop** Flash mode	**Guide** Number (GN)	**F-stop** Continuous mode	**F-stop** Flash mode	**Guide** Number (GN)
100	5.6	8	24	2.8	4.0	24	2	2.8	25.2	1.4	2	24
200	8	11	33	4	5.6	33.6	2.8	4	36	2	2.8	33.6
400	11	15	45	5.6	8.0	48	4	5.6	50.4	2.8	4	48
800	15	22	66	8	11.0	66	5.6	8	72	4	5.6	67.2
1600	5.6	30	90	11	16.0	96	8	11	99	5.6	8	96
2500	5.6	38	114	14	20.0	120	10	14	126	8	10	120

Shutter speed = 1/60th

Measured at midpoint colour temperature around 4100K with Sekonic flash meter, no modifiers or intensifiers

Rotolight accepts no responsibility for the operation or functionality of third party transmitters.

NOTE: AEOS will flash once for the selected flash duration when syncing in HSS, ensuring that the complete frame is illuminated.

If AEOS detects a flash re-trigger event during a set interval, it will automatically adjust the duration of the flash to a shorter interval if required to avoid damage occurring to the LEDs.

AEOS supports flash at any frame rate. Flash output can be up to 250% of the nominal maximum continuous light output (>14,250 lux at 3 feet or guide number 27).

To exit Flash mode

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

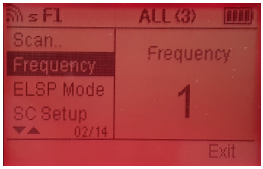
Lit with 1 x Rotolight AEOS, Sony A6300, Sony 10-18mm, ISO 100, F4.0, 1/15th(tripod)

Photo by Rod Aaron Gammons

Setting up your HSS Transmitter

The below setup instructions are based on the HSS transmitter firmware 3.0 and AEOS firmware V732. To check the firmware version on your HSS transmitter, this is shown on the screen when you turn the device on. To check the AEOS firmware version, press both knobs to enter MENU, navigate to 'VERS' in the TECH menu, press the right knob to enter, and the firmware version will scroll across the display (for a full menu flowchart, see page 3).

If your HSS transmitter has a version earlier than 3.0, please visit the Elinchrom website to update manually, which should only take a few minutes. If you are operating from an older firmware on your AEOS than v732, please contact us on sales@rotolight.com or +44 1753 422750.



First, turn on your AEOS then after a few seconds, turn on your Rotolight or Elinchrom HSS Transmitter. If you are operating from the correct firmware, the transmitter should automatically find the AEOS and display this on screen. We automatically set the units to default to channel 1, frequency 1 out of the box.

However, if it does not automatically find it or if you want to change settings:

Firstly, ensure the bottom left text on the transmitter says... 'TTL' not 'Manual'. If you can see 'Manual', this means you are in TTL mode which is not compatible with AEOS. Press the button underneath 'Manual' to enter the Manual mode.

If the AEOS is still not visible on your HSS transmitter, try the following:

Ensure that Skyport receiver mode is set to 'SPED' on the AEOS by turning AEOS on, pushing both red control knobs together to access the MENU options, turn the right red knob clockwise until the display shows 'CTRL', click the right-hand knob once and then turn it clockwise again until 'SKYP' is displayed. Click the right knob once more and turn it again until

‘SPED’ is displayed. This ensures that Skyport receiving is active and is in HSS mode. Click the left knob twice to return to the main menu.

Press the setup button on the right-hand side of the HSS transmitter.
Scroll using the rotary wheel to ‘Frequency’, and ensure it is on the desired frequency – we recommend defaulting to channel 1, however if you happen to encounter interference from other signals, try changing to a lesser used frequency, such as channel 20.
To then adjust the frequency, press the button in the centre of the rotary wheel and scroll to change the number. Press the centre button to confirm, which also navigates you back to the main setup menu on the transmitter.

For users wishing to operate both Elinchrom and Rotolight units simultaneously using the HSS Transmitter, scroll using the rotary wheel to ‘ELSP mode’, use the centre button to enter the mode and scroll to adjust to ‘NORMAL’. Press the button in the centre of the rotary wheel centre to confirm. The screen will change to a green background colour to confirm you are in Normal mode.
If you are only operating Rotolight units via the HSS transmitter, we recommend using SPEED mode, which will turn the background colour red.

Then, use the rotary wheel to scroll to ‘SC Setup’ (Second Curtain). The SC Setup should automatically to default to the ‘By Camera’ setting. However, for Nikon compatible HSS transmitters only, ensure the Second Curtain is set to OFF.

Scroll to Auto MOD and ensure this is set to ‘No Use.’ However, for Nikon compatible HSS transmitters only, ensure this is set to ‘OFF’.

Scroll to ‘Iden.’ at the bottom of the Setup menu and ensure this is set to ‘Type’ to display the Rotolight units correctly during control.

Then scroll to the top of the menu and click Scan, this will now re-scan for devices and will find the AEOS and display it in the control menu.

‘FADE’ Designer Fade™

Designer Fade ™ creates fade up / fade down effects for practical in-camera production fade effects. Scroll to ‘FADE’ and click the right knob to enter Fade mode.

Rotate the right knob to adjust the fade duration (up to 12 seconds up or down).
The AEOS will display DN (=fade down) followed by a numerical value ‘Xs’ where X = seconds

Please note, the fade will be to zero from the current brightness level the AEOS is set to (i.e. if brightness is currently 80%, then fade will be 80-0% over custom time duration).
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 knob to perform it (you can also trigger the fade using an external flash trigger via via Skyport or the flash sync port). You will notice the display now shows UP Xs and it will now fade up to your previous brightness setting over ‘X’ seconds.

If you only want to fade down use the left knob to click out of FADE and click back in.

Click the left knob to return to MENU, alternatively you can return to the basic operation menu (BRI / COL) by pressing both control knobs simultaneously.

(‘SFX’) CineSFX™

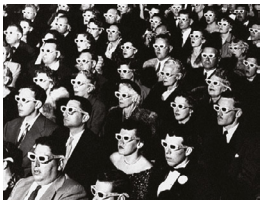
In collaboration with Stefan Lange, DOP and visual FX veteran, we have created an arsenal of special FX (CineSFX™). These production tools are designed to complement your feature/short film or music video.

Please note, the current brightness level and

colour temperature setting of AEOS is used by SFX mode to represent the level of each effect, enabling accurate metering (i.e. if AEOS is set to 75% brightness and 5600 kelvin, then the lightning effect peak brightness level shall be 75% brightness at 5600 kelvin).
Therefore set AEOS to 100% brightness and midpoint colour for maximum brightness in SFX mode.

To adjust the colour temperature of the light to better match your desired effect once you have selected your desired SFX (i.e Fire), press and rotate the right knob to set the desired colour temperature (in kelvin, from 3150-6300K).

To similarly adjust the peak brightness level of your desired effect, once you have selected your desired effect press, hold and 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. 'e.g. "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.

Click the right knob to enter 'SFX'. Rotating the left knob cycles through the available effects: -strb-ltng-thrb-cycl-fire-plce-tv.

You can activate your selected SFX function by pressing the right knob.
You can leave the selected function by clicking the left knob, alternatively you can return to the basic operation mode (BRI /COL) at any time by pressing both knobs together at the same time.

('STRB') Strobe

The Strobe effect produces a regular flashing light. Pressing the right knob will activate the strobe effect, and rotating it will adjust the speed of the strobe. (It will display XX Hz , where= 'XX' = number of strobe cycles per second). The strobe range is from 0.3 Hz up to 7.0 Hz.
Note: the last used strobe parameters are stored in non-volatile memory.

Rotate the left knob to adjust the maximum brightness of the strobe effect. Hold and rotate the left knob to adjust the minimum brightness of the strobe. Press and hold the right knob to adjust the colour temperature of the strobe. Click the left knob to exit the strobe menu and return to SFX menu.

('LTNG') Lightning

The Lightning effect simulates lightning strikes. 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 This effect is also triggerable either locally or using a transmitter. For best results, set the brightness to 100% and the colour temperature to 6000K.

Click the right knob to activate the Lightning effect, and 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 knob to arm the effect and fade to black, 'Trig' will be displayed - re-click the right

knob to trigger the effect. Rotate the left knob to adjust the maximum brightness of the lightning effect. Hold and rotate the left knob to adjust the minimum brightness of the lightning. Press and hold the right knob to adjust the colour temperature of the lightning.

The last used Lightning parameters are stored in non-volatile memory.
Click the left control knob to exit the lightning effect and return to SFX menu.
Note: 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') Throb

Rotate the left knob to adjust the duration between each throb from 0.1s-9.0s. Rotating the right knob adjusts the speed of each throb from 1 Hz to 50 Hz. Hold and rotate the right knob to adjust the output of the minimum light level. Hold and rotate the left knob to adjust the maximum light level of the throb. To adjust the colour temperature of the throb, press both knobs together to exit, adjust the kelvin by rotating the right knob and re-enter the SFX mode.

Note: the Throb parameters are stored in non-volatile memory. Click the left knob to exit the Throb effect and return to SFX menu.

('CYCL') Cycle

Cycle is a regular smoothly pulsing light which fades between the tungsten and blue LEDs.
Click the right knob to activate the effect.

Rotate either the left or right knob to adjust the cycle effect frequency (it will display XX Hz. The cycle range is from 1 Hz up to 50 Hz.
Note: the Cycle parameters are stored in non-volatile memory. Click the left knob to exit the cycle effect and return to SFX menu.

('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.
Note: For best results, we recommend setting the colour temperature to 3150 kelvin.

Click the right knob to activate the fire effect. Rotate the right knob to adjust the fire effect frequency indicated in Hz - around 45 Hz is standard for a campfire).

Rotate the left knob to adjust the fire effect depth threshold (residual glow) about 35% is nice for a campfire.
(It will display XX % which is an indication of the effect depth).

Inside the Fire effect there is a toggleable parameter called 'Colour Swing 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 and the AEOS will display 'BLUE'. To deactivate 'Colour Swing BLUE' click the right knob again and 'MONO' (monochrome) will be displayed.
Note: the Fire parameters are stored in non-volatile memory.

The Fire effect can be enhanced with a warm filter included within the optional add on Colour FX Pack (RL-AEOS-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 in the optional Add On Colour FX Pack.

Click the right knob to activate the Police effect.

Rotate either the left or right knob to adjust the Police beacon speed It will display XX Hz.
Note: the Police parameters are stored in non-volatile memory. Click the left knob 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 colour temperature to around 6000 kelvin to emulate the light from a cathode ray tube.

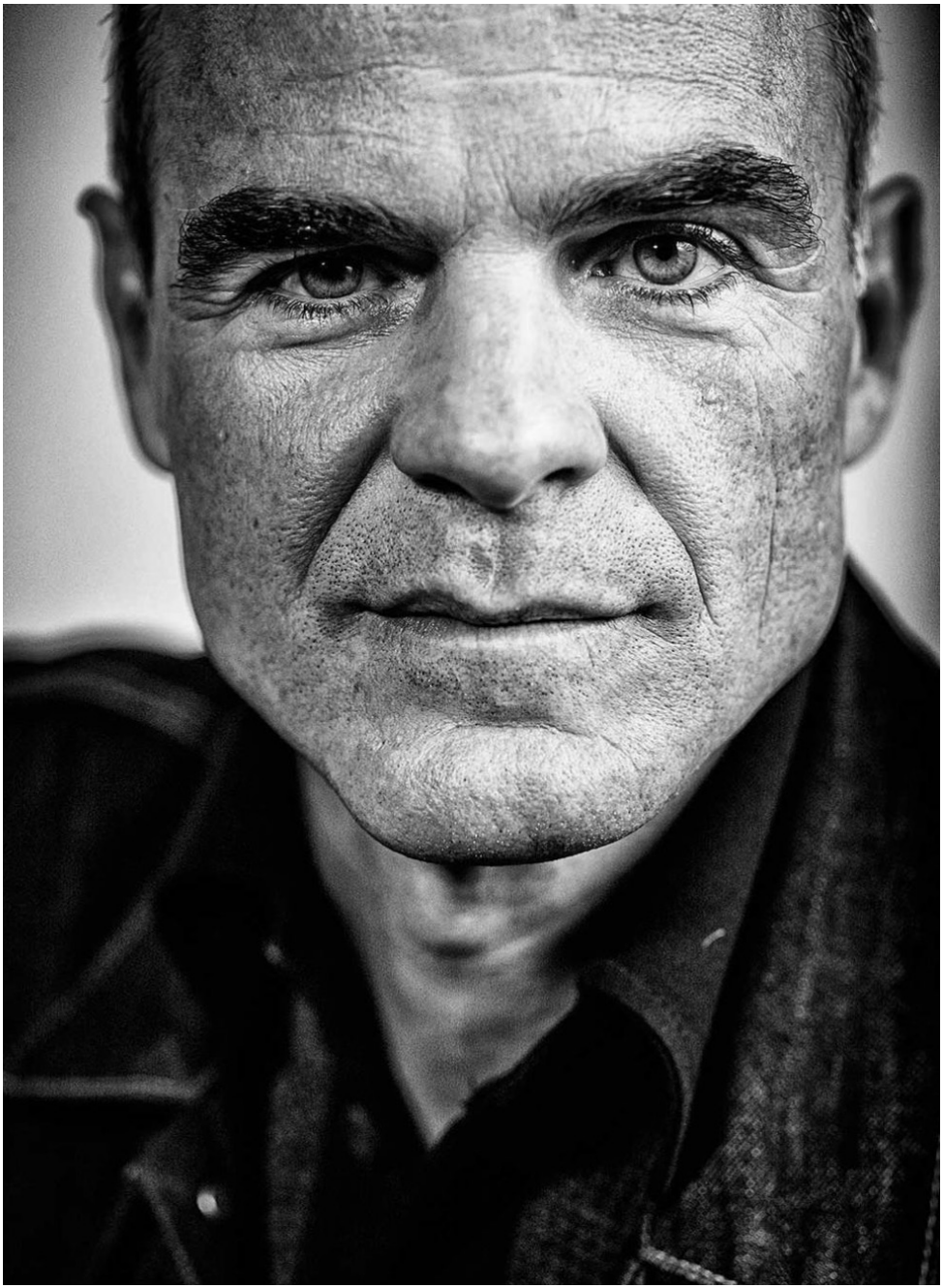
Click the right knob to activate the TV effect.
Rotate either the left or right knob to adjust the effect speed (it will display XX Hz.)

Click the right knob to pause the effect / fade to black. The AEOS will display 'Trig' and, by pressing the right knob again, you can trigger the effect - re-click the right knob again to trigger the effect. You can also use Skyport or an external flash trigger to activate the TV effect, just connect this to the flash sync port on the rear of AEOS.
Note: the TV parameters are stored in non-volatile memory. Click the left knob to exit the TV effect and return to SFX menu.

TV SIMULATION

LIGHTNING

FIRE



MICHAEL KELLY, STAR OF HIT SHOW ‘HOUSE OF CARDS’

Photo by Master of Light, Mark Mann, and lit using the Rotolight AEOS

BRIDGET REGAN, STAR OF TV SHOW ‘BILLIONS’

Photo by Master of Light, Mark Mann, and lit using the Rotolight AEOS

('FDIM') 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 FDIM then click the right knob to enter FDIM mode.
Rotating the left knob cycles through the available 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 parameter (ISO/EXP/FEET).

Clicking the right knob will enter the 'F-stop Dimming Display' where the brightness is dynamically displayed as an aperture or 'F-stop'.

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

The True Aperture Dimming™ algorithm calculates the F-stop based on the AEOS' brightness setting, your camera's ISO and shutter speed and the distance to the subject.

To re-adjust the last selected parameter, click the right knob, make the adjustment, then click the right knob 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 knob 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 quickly.

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.

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

('CTRL') Control Menu

This menu allows you to explore the AEOS' control options including DMX and Skyport settings.'

– ('ADDR') Primary DMX Channel Address

Use ADDR to select the starting DMX channel address of the AEOS.

– ('AUTO') AutoSETUP

(Only from an Anova PRO 2 – not an AEOS menu option. For reference only)

When setting AEOS as a slave from an Anova PRO 2, the current Anova PRO 2's configuration (DMX ADDR/MODE/MSTR/DISP/SCRL, Skyport and frequency) will be sent to any available slave AEOS, NEO 2 or Anova PRO 2s that are not locked.

Be very careful using this, as it is a 'nuclear' option and will erase the configuration on all of your slave lights.

Use 'NEXT' to make the slaves display '= +' . you can set the base channel for each slave incrementally with just a single click on '+' (i.e. 3-4, 5-6, 7-8, 9-10), so it is really quick to set up a string of sequentially DMX addressed slaves.
Alternatively, hit '=' to make the selected light's address the same as the previous light's address. Be careful using this command, as it is also a 'Nuclear' option and will overwrite the DMX address on your slave lights.

Note: AEOS is always in 2-channel DMX mode (BRI/COL), i.e the same as Anova PRO 2 'FxRx' 2-channel mode.

– ('LOCK') Settings Lock

Use 'LOCK' to isolate and protect a specific light from changes being made by a master Anova PRO 2 running AUTO.

– ('MODE') What Controls AEOS

LOCL' (the local knobs, trigger input and/or Skyport) 'DMX' for wired DMX or 'wDMX' where the AEOS is wirelessly controlled by Rotolight wDMX (i.e. from an Anova PRO 2).

– ('FREQ') Frequency

Rotate the left knob to scroll to 'FREQ' (Skyport channel). Click the right knob to enter 'FREQ' settings, rotate either knob to select your desired channel (Ch 1-20) and click the right knob to set and return.

– ('SKYP') Skyport

The AEOS will arrive with the Skyport already activated AEOS will also still flash in Skyport mode from a wired external source connected to the flash sync 3.5mm jack port.

MODE = ELSP control modes on Skyport controller. Within this sub-menu select 'NORM' (normal) for use with other Elinchrom flash units or 'SPED' (speed) for Rotolight only units. We recommend SPED is selected for less data interference. 'Off' will turn the internal Skyport receiver off.

('GRP') Skyport Group

GRP = Skyport Group. Click the right knob to enter 'GRP' settings. Rotate either knob to select your desired group (Gp 1-4). Click either knob to set and return.

('TECH') Technical Utilities Menu

In the 'TECH' sub-menu you can monitor and adjust a range of technical functions for the AEOS including checking the battery voltage, setting up a custom-calibrated colour, monitoring the operating temperature, viewing the serial number and firmware version, adjusting the display brightness.

– ('VOLT') Voltage

'VOLT' mode will scroll display the voltage from the selected power source (e.g. '16.4V BATTERY' or '15.2V DC IN'). Please note AEOS will automatically warn you if the voltage drops too low, which indicates a battery change is needed (e.g. "Low Battery"). AEOS will also display a blinking dot on the bottom right of the current display to indicate low battery voltage while reducing the output by progressive steps of 10% until voltage stabilises, to minimise flicker. AEOS 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 AEOS.

– ('CAL') Calibrated Custom Colour Mode

Click the right knob to enter 'CAL' mode. The left knob controls the yellow channel LEDs and the right knob controls the blue channel LEDs.

You can now set very specific colours by balancing the two colour channels within an expanded colour range from 2800 kelvin to 7200 kelvin.

This custom colour value is held as an operating preset while you use the AEOS, but will be reset when you power the unit down.

It is very useful to have access to a colorimeter (such as a Sekonic C-700 or UPRtek CV600) to create these custom colours as the resulting kelvin value is not displayed. Click the left knob to return to MENU, alternatively you can return to

basic operation (BRI/COL) by pressing both control knobs together.

– ('TEMP') Temperature

Click the left knob to display the internal operating temperature of AEOS. Note: if AEOS detects the battery temperature rising to 58°C or above, it will display 'too hot' (touch any knob to clear the message) and automatically cut the output down to 25% to prevent overheating.

(Please only use high-quality battery systems with AEOS such as the Rotolight 95Wh V-lock, which will drive the light at full continuous power for 2-3 hours).

– ('SRNO') Serial Number

Use the right knob to active a scrolling display of the serial number. Press the left knob to exit.

– ('VERS') Firmware Version

Click the left knob to display the firmware version installed in your AEOS. Note: The firmware can be updated if required by your Rotolight distributor Click the left knob to return to MENU, alternatively you can return to the basic operation (BRI/ COL) by pressing both control knobs simultaneously.

– ('DISP') Display

Display mode allows the digital display to be set to high or low brightness or 'off' to reduce power consumption/increase battery life or for discrete usage on set. Click the right knob to enter 'DISP'. Rotate either knob to select the display mode.
'High' – the display will be at full brightness.
'Low' – the display will be dim, reducing power consumption.
'Off' – the display will automatically switch off after 5 seconds unless a control is operated, providing maximum power saving or discrete operation on set.
Click the left knob to return to MENU, alternatively

you can return to the basic operation (BRI/ COL) by pressing both control knobs together.

– ('SCRL') Scroll

Allows the control status scrolling to be set to 'on' or 'off'. When 'on' AEOS will continuously display the status of the control mode, DMX channels, and reception. When set to 'off', AEOS will only display this information once when you make a change to the configuration.

– ('FINE') Fine

Fine dimming mode enhances the low light level operation of the AEOS (in normal operation below 7% brightness). It enables the AEOS to offer smooth dimming down to zero, with accurate colour rendition, and enhances basic operation, as well as Fade, Throb and Chase. If you are shooting with a high frame rate camera, fine mode can sometimes cause flickering at very low light levels. This setting is on by default, but for high frame rate operation you can turn this parameter to off by rotating the right control knob and selecting on or off.

('DEMO') Demo Mode

Use this to let AEOS 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.
AEOS will now demonstrate a range of effects from its library, whilst simultaneously explaining what is being demoed on the red display.
Click the left knob 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 AEOS. 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 of the AEOS light (you will hear a click to indicate that it has locked). To unlock, rotate in the other direction. AEOS 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. Utilising diffusion filters will not affect the colour temperature of the light setting.

AEOS includes a standard filter pack comprising:-

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

250 **Medium Diffuser** 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.

219 **Fluorescent Green**
great for simulating abandoned buildings or a TV glow, as used on 'Die Hard 4'.

712 **Bedford Blue**
excellent for blonde hair light, or 'Police' FX.

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 'Police FX.

ROTOLIGHT AEOS	
Beam Angle	50 Degree
TLCI (Television Lighting Consistency Index)	91 Approved for live broadcast without correction - "errors are so small a colorist would not consider correcting them"
Overall CRI (Ra) Skintone CRI (R15)	CRI=> 96 (Skintone R15, CRI=98)
Power Consumption @100% Output	42 Watts @100% Output 15 V DC
LUX at 3ft (0.9m) F-stop at ISO 200/400/800	5750 f11 / f15 / f22
LUX at 6ft (1.82m) F-stop at ISO 200/400/800	1295 f5.6 / f8 / f11
LUX at 9ft (2.74m) F-stop at ISO 200/400/800	614 f4 / f5.6 / f8
Control	Local, DMX, wDMX or Skyport with Dynamic Drift Compensation and Thermal Monitoring
Weight	1.4 kg (body only) 1.7 kg inc 360° ball head
Dimensions	diameter 295mm (11.5") x depth 20mm (<1")
Mounting	Integral 1/4"-20 tripod mounts, aluminium handles, 360° Pro ball head (3/8 or 1/4" 20)
Peak Output	5750 lux at 3ft (Measured at midpoint colour temperature of 4200K)
Luminous Flux	3051 Lumens
Colour Range	3150K - 6300K
Included Filters	216 - Full Diffuser, 250 - Half Diffuser 184 - Cosmetic Peach Skin Tone 279 - 1/8 Magenta
Battery Life	2 hours (continuous mode) or 150,000 flashes at full power
Max shutter sync speed flash duration	1/8000th Adjustable from 1/50th - 1/2500th

* F-stop measured in Flash mode

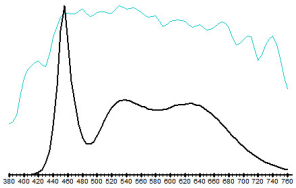
ROTOLIGHT LED TLCI TEST RESULT

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

TLCI-2012 : 91 (D5478)

EBU : TLCI-2012
Alan Roberts - Oc

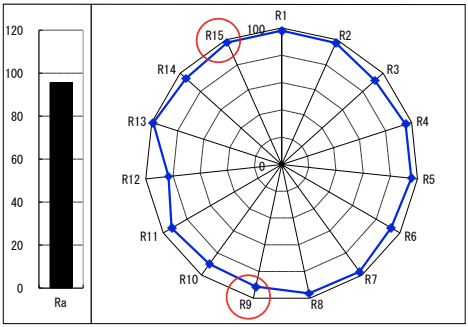
Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	-
Y	0	-	-
Y/G	0	-	0
G	0	-	0
G/C	0	0	+
C	+	0	0
C/B	+	0	- - -
B	0	- -	- -
B/M	0	-	0
M	0	0	0
M/R	0	0	0



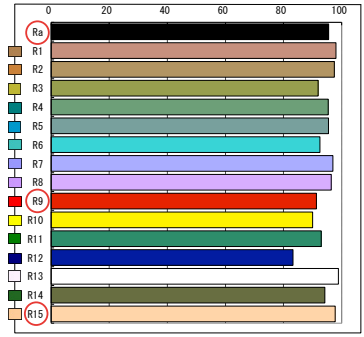
PHOTOMETRICS

FIXTURE	LED Angle	3 ft. / 0.9m		6 ft. / 1.82m		9 ft. / 2.74m	
AEOS (at mid point 4200K)	50°	534fc	5750 lx	120fc	1295 lx	57fc	614 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

Mounting

AEOS has two tripod mounting (1/4"-20) standard mounting sockets, positioned at the top and bottom of its circumference so AEOS 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. AEOS has two handles and can be easily hand held by an assistant on a shoot allowing incredible versatility and access to get shots from unusual angles.

There is a large 360 degree mount adapter included with AEOS. This gives AEOS a range of motion previously unheard of for an LED fixture (even with barn doors). The 360 Ball Head has both 3/8th, and ¼-20 mounting holes so will fit a full range of lighting stands and mounting accessories. AEOS is compatible with most of the Rotolight RL48 mounting accessories (foam handle, magic arm and clamp kits).

AEOS is incredibly portable at just 1.4kg, but a V-lock battery will increase the weight. If you prefer to reduce the weight while using the battery, consider using a compact V-Lock battery, like a Rotolight (RL-BATT-95) remotely from the light, in a belt pouch (RL48-ABP) with a D-Tap DC cable.

Batteries

AEOS does not include a battery as standard. AEOS will operate from any third party "V-Lock" battery with a DC voltage of 6 volts up to 18 volts.

Recommended Batteries:

For best results use the Rotolight (RL-BATT-95) Lithium-ion V-Lock Battery (available from www.rotolight.com). Specifically optimised for use with the AEOS, it will power the light at full

continuous power for up to 3 hours. At the time of writing, this is also the largest capacity battery that can be legally carried on an airline.

The Rotolight V-Lock battery is available with a bundled D-Tap wall charger (110/220volt). Rotolight also offers a 2 way battery charger or 4 way battery charger as desktop charger options with faster recharge times.

You can also use Anton Bauer Goldmount batteries on AEOS with a QR-200A adapter plate from Anton Bauer.

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 manufacturers 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

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.

Rotolight RL-BATT-95
Battery (recommended)

Rotolight RL-AEOS-BD

Rotolight RL-SOFTBAG

Rotolight RL-AEOS-RFP

AEOS Optional Accessories

All accessories are available to purchase from www.rotolight.com and from appointed Rotolight stockists.

- Rotolight V-Lock Battery Bundle (RL-Batt-Bundle)
- Rotolight AEOS Soft Bag (RL-SOFTBAG)
- AEOS Barn Doors (RL-AEOS-BD)
- 10 Piece Add On Colour Filter Pack (RL-AEOS-CFP)
- AEOS Yoke Kit for c-stand or studio mounting (RL-AEOS-YOKE)
- Rotolight Portable Light Stand (RL-MEDIUM-LS)
- AEOS 360 Ball Head Adapter (RL-AEOS-360)
- AEOS Honeycomb Louvre (RL-AEOS-LOUVER)

WWW.ROTOLIGHT.COM