

## **Does NEO flash?**

No NEO is a continuous light only, allowing you to shoot what you see and compose the model, highlights and shadows accordingly, but it does not flash. Both the Rotolight Aeos and Anova PRO do feature HSS flash capability. Of the two, Aeos has a brighter HSS Flash capability.

## **When would i use continuous lighting vs flash?**

Continuous light mode allows you to 'shoot what you see', to preview your shot before you take it and compose your model and shadows/highlights on your model exactly as you want them. It also allows you to easily adjust exposure settings on your camera rather than having to take test shots which you would with flash. You to easily achieve optimal focus on your subject and also avoids red eye or blink responses that can be caused with flash. This is also great when photographing wildlife or children when you don't want to startle them with flash, and continuous lighting can also be less invasive for event photography as guests get used to the light being on rather than seeing flash constantly. In general continuous lighting is faster and easier, the only downside is that sometimes you are in a situation where you just need more power, for example when working outdoors in daylight conditions, or where you need greater distance to the subject.

In Flash mode AEOS is 250% brighter than it is in continuous mode, which is an entire stop in photography terms which when shooting outdoors would allow you to expose for the ambient conditions to get a proper exposure for the sky, but use the power of AEOS to light the model, so that the whole shot is perfectly exposed. Also when you want to freeze action using a high shutter speed, you need more power to ensure the subject is still well lit.

Having a light like AEOS that is both a continuous light and HSS strobe all in one, provides the best of both and allows you to switch between the two as conditions and shoot dictates. It also means if you also shoot any video, you can buy one light that you can use for both your stills and video work.

## **What is the flash duration( t1). How does it compare to moonlights. And what is the comparable power output.**

The Flash duration is adjustable from 1/50th-1/2500th at max power. Aeos is capable of a maximum shutter sync speed of 1/8000th which allows you to freeze action and keep up with the high frame rate cameras. In terms of comparable power output, Jason Lanier has stated that he believes this to be equivalent to a 350Watt second strobe, so brighter than a Pro Photo B2 for example. Specifically in continuous mode it has a light output of 5750 lux at three feet, and is 250% brighter (or a whole stop brighter, in flash mode).

## **Can the continuous lighting power be adjusted and used as dimmable modelling light and then fire the "strobe"**

Yes indeed it can and that is a major advantage over traditional strobe where the modelling light is typically a separate lighting element, ultimately not reflective of the actual light that is output from the flash bulb. This also allows you to compose your subject, set your exposure, and focus, all of which can be a problematic when shooting with a strobe or speedlite when you are not easily able to preview the end result, or the modelling light is not an accurate representation of the actual strobe output.

## **What advantages does AEOS have over a speedlite ?**

As far as the light quality is concerned, AEOS is both brighter, and a much larger light source, and as such has a much softer light output which will be significantly more flattering on your subject and also covers a much wider area, ensuring group shots are perfectly lit, or a subject is lit evenly from head to toe without any hot spots. Being a round light, it also creates a gorgeous circular catchlight in the subject's eye, something Rotolight is particularly known for. Aeos offers some incredible advantages over traditional strobe or speedlights - firstly AEOS uses the exact same LEDs to flash as it does for continuous or modelling light which allows you to compose your subject, set your exposure, and focus, all of which can be a problematic when shooting with a speed light when you are not easily able to preview the end result. AEOS unlike many speedlite's is High speed sync capable (1/800th) and literally has NO recycle time unlike any speedlite or strobe meaning you can 'freeze action' and never miss a shot, can be used for both photo and video. Just to put that into context, a speedlite will typically have a recycle time of somewhere between 3-5 seconds before you are able to fire a full power flash again. If you are shooting a wedding, that 5 seconds, means as the bride and groom are walking down the aisle, you get one shot with a speedlite - in context, you could fire AEOS 20 times a second, at full power, with no loss of power and capture 100 shots, fully lit in the 5 seconds it took you to fire a single shot and recharge. Aeos is also the first strobe in the world that can change the colour of the strobe, electronically - this allows you to achieve the exact skin tone you want on the model, and/or to match to your ambient lighting conditions (i.e. a beautiful sunset - you want a warmer light, rather than just a bright white light from a strobe which kills that beautiful ambient light). It is also super portable and lightweight, which can be a real bonus on a shoot. One major advantage is also battery life - a typical speedlite will last somewhere between 70-200 full power flashes before the batteries are empty. Aeos is incredibly efficient on power and can do 150,000 (!) full power flashes before the (optional) Rotolight RL-95-BATT is empty. That means you can do an entire shoot on a single battery, and can save money on buying multiple spare batteries, and carry less gear with you on shoot. Finally, Aeos is considerably lighter and more portable than conventional strobe and the countless modifiers required, Aeos weighs just 1.4kg (<3 pounds) which makes it great for location shooting where portability is key. Thanks David, hope that helps!

## **What is the guide number when using the flash function of this light ? Could i achieve the same result with a speedlite ?**

As for exposure information and guide numbers please see this F stop/ GN table here which makes clear exactly what you can expect at various distances and exposure settings :

<https://www.dropbox.com/s/etsafibpyfo4a0y/FStop%20Values%20AEOS%20to%20issue.xlsx?dl=0> . As

for the comparison to speedlites, As far as the light quality is concerned, AEOS is both brighter, and a much larger light source, and as such has a much softer light output which will be significantly more

flattering on your subject and also covers a much wider area, ensuring group shots are perfectly lit, or a subject is lit evenly from head to toe without any hot spots. Being a round light, it also creates a gorgeous circular catchlight in the subjects eye, something Rotolight is particularly known for. Aeos offers some incredible advantages over traditional strobe or speedlights - firstly AEOS uses the exact same LEDs to flash as it does for continuous or modelling light which allows you to compose your subject, set your exposure, and focus, all of which can be a problematic when shooting with a speed light when you are not easily able to preview the end result. AEOS unlike many speedlite's is High speed sync capable(1/800th) and literally has NO recycle time unlike any speedlite or strobe meaning you can 'freeze action' and never miss a shot, can be used for both photo and video. Just to put that into context, a speedlite will typically have a recycle time of somewhere between 3-5 seconds before you are able to fire a full power flash again. If you are shooting a wedding, that 5 seconds, means as the bride and groom are walking down the aisle, you get one shot with a speedlite - in context, you could fire AEOS 20 times a second, at full power, with no loss of power and capture 100 shots, fully lit in the 5 seconds it took you to fire a single shot and recharge. Aeos is also the first strobe in the world that can change the colour of the strobe, electronically - this allows you to achieve the exact skin tone you want on the model, and/or to match to your ambient lighting conditions (i.e. a beautiful sunset - you want a warmer light, rather than just a bright white light from a strobe which kills that beautiful ambient light). It is also super portable and lightweight, which can be a real bonus on a shoot. One major advantage is also battery life - a typical speedlite will last somewhere between 70-200 full power flashes before the batteries are empty. Aeos is incredibly efficient on power and can do 150,000 (!) full power flashes before the (optional) Rotolight RL-95-BATT is empty. That means you can do an entire shoot on a single battery, and can save money on buying multiple spare batteries, and carry less gear with you on shoot. Finally, Aeos is considerably lighter and more portable than conventional strobe and the countless modifiers required, Aeos weighs just 1.4kg (<3 pounds) which makes it great for location shooting where portability is key.

### **Why should i buy an Aeos etc instead of xxxx (brand) strobe?**

Aeos offers a number of advantages over a traditional strobe. Firstly, as a continuous light Aeos allows you to 'shoot what you see', compose your model and shadows/highlights on your model exactly as you want them, and to easily adjust exposure settings on your camera. Unlike a strobe, Aeos can also be used for video (eliminating the need for a separate purchase if you do both) and indeed has a number of great additional features like designer fades to finish an interview and special FX for film making also. For photography Aeos offers some incredible advantages over traditional strobe - it is High speed sync capable(1/800th) and literally has NO recycle time unlike every other strobe meaning you can 'freeze action' and never miss a shot, can be used for both photo and video. Aeos is also the first strobe in the world that can change the colour of the strobe, electronically - this allows you to achieve the exact skin tone you want on the model, and/or to match to your ambient lighting conditions (i.e. a beautiful sunset - you want a warmer light, rather than just a bright white light from a strobe which kills that beautiful ambient light). It is also super portable and lightweight, which can be a real bonus on a shoot. One major advantage is also battery life - a typical strobe will last somewhere between 250-400 full power flashes before the battery pack is empty. Aeos is incredibly efficient on power and can do 150,000 (!) full power flashes before the (optional) Rotolight RL-95-BATT is empty. That means you can do an entire shoot on a single battery, and can save money on buying multiple spare batteries, and carry less gear with you on shoot. Finally, Aeos is considerably lighter and more portable than conventional strobe and the

countless modifiers required, Aeos weighs just 1.4kg (<3 pounds) which makes it great for location shooting where portability is key.

Let us know if you have any other questions! Thanks

### **What is the watt equivalent of AEOS?**

The comparison to watt seconds is a little challenging for LED as a 'watt' is actually a measure of how much power something consumes, rather than how bright it is. LED is 96% more energy efficient than a typical flash bulb so the wattage Aeos consumes is very low (42 Watts), yet it is still very bright, indeed Aeos is 5750 Lux at 3 feet making it one of the brightest LED lights on the market.

That being said, Jason Lanier who is a professional photographer and Sony Artisan of Imagery has said he believes the Aeos to be equivalent in his opinion to a typical 350 Watt seconds strobe if that helps for comparison.

For photography Aeos offers some incredible advantages - it is High speed sync capable (1/800th) and literally has NO recycle time unlike every other strobe meaning you can 'freeze action' and never miss a shot, can be used for both photo and video. AEOS is also the first strobe in the world that can change the colour of the strobe, electronically - this allows you to achieve the exact skin tone you want on the model, and/or to match to your ambient lighting conditions (i.e. a beautiful sunset - you want a warmer light, rather than just a bright white light from a strobe which kills that beautiful ambient light). It is also super portable and lightweight, which can be a real bonus on a shoot. One major advantage is also battery life - a typical strobe will last somewhere between 250-400 full power flashes before the battery pack is empty. AEOS is incredibly efficient on power and can do 150,000 (!) full power flashes before the (optional) Rotolight RL-95-BATT is empty.

The best thing though in terms of definitive measurement is to review the attached Fstop table for you so you can get a very good idea of what exposure settings are achievable, as you will see AEOS will work very well at a good distance of say 9-12 feet (for example at ISO 400, 9 feet, 1/60th you would be at F5.6, same settings at 12 feet F4.0) which is more than enough light, and is perfect for portraits, group shots, etc which would be typically shot on a prime lens at say 1.4/1.8/ 2.8 etc for separation of background.

Compared to say a Profoto B2 (which the Aeos is brighter than) it can do 250 flashes before the battery pack is dead, whereas Aeos will flash 150,000 times on a single battery before it needs to be charged! If you have not seen it already, there is a brand new video up here which might be useful to you : <https://youtu.be/uvsy6CPU8Oo>

I'm sure you'll love the Aeos, let me know if you have any other questions!

### **Does the Aeos come with a battery?**

We do include a power supply so you can run Aeos from mains power, but no a battery is not included (this is an LED industry standard), but it is a V mount so you don't have to buy our battery(although we do make a nice one :) !

Do bear in mind that one major advantage of Aeos over a typical strobe is battery life - a typical strobe will last somewhere between 250-400 full power flashes before the battery pack is empty. Aeos is incredibly efficient on power and can do 150,000 (!) full power flashes before the (optional) Rotolight RL-95-BATT is empty so instead of needing to buy 3-4 to cover a days shooting, one battery will last the entire shoot!

If you are buying a battery along with an Aeos we are willing to offer a significant discount on the battery to help you (or indeed anyone else) out, you can enter promo code battery20 at checkout on [rotolight.com](http://rotolight.com) to save 20% off any battery, charger or battery bundle .

### **Why would i want to hand hold the Aeos?**

Having the ability to hand hold the light provides a lot of extra flexibility when you are doing a shoot on your own and particularly if working in smaller environments. You don't need to hold the light straight onto the subject you can easily hold it to the side so no need for the photo to be flat. And if you don't want to hold it, then as Jason shows in the video, put it on a tripod, or light stand - or even on the floor - its up to you!

### **Does the trigger come with the kit? If so, would it support HSS on all systems?**

No the trigger/ receiver is not included and should be purchased separately.

Aeos will work with any HSS trigger/receiver combo with either a PC sync port or 3.5mm flash sync port on the receiver. The only thing that matters is that it is high speed sync capable trigger/receiver (HSS), that your camera is capable of HSS (not all are - particularly Fuji's) and that the receiver has a PC sync port or 3.5mm flash sync port, so you can connect it to Aeos, which has a 3.5mm mini jack flash sync port. You can also just use a wired PC sync cable to 3.5mm mono jack cable (for Aeos) for a much cheaper option if desired.

See recommend flash trigger options for more information.

### **What is the difference between the Anova PRO and the Aeos?**

The primary difference essentially is that Aeos is a ultra portable location LED light, ideal for portrait, location and event photography as well as smaller scale video productions and interviews. Anova PRO is an extremely high quality professional light source, ideal particularly for studio applications, portrait/ fashion photography and larger scale video productions. In general terms, if photography is your main application and you value portability and form factor, as well as flash power, then Aeos is the light for you. If your main application is video and you value outright power, special FX capability (Anova PRO has a lot more CineSFX modes, and the ability to control third party lights over DMX) and functionality, then Anova PRO is the light for you.

**Power :** In terms of power/ light output, in continuous light mode, Anova PRO produces 7200 lux at 3 feet vs 5750 in continuous mode, so is 25% brighter than Aeos when used this way. In flash mode however, Aeos is currently brighter than the Anova PRO, so if flash photography and HSS is your primary intended use, then AEOS is the better option.

**Form Factor :** Aeos also features a unique ultra thin design concept, weighing in at less than 1.4Kg, making it one of the lightest LED panels on the market. This makes it great for location work, where you have to keep the weight of the gear you have to carry to a minimum. In comparison, Anova PRO is better suited to studio work, and weighs closer to 4kg.

**Battery Life :** Aeos will last longer on battery (3 hours vs 2.5) and will consume less energy also, again making it ideal for location.

**Feature set:** Anova PRO features a larger suite of CineSFX for video, and also has the capability of being a DMX master to control third party lights. Anova PRO also includes a Yoke for studio/ C-stand mounting as standard, whereas for Aeos, this is an optional accessory.

### **Which (Anova PRO vs. AEOS) is better for photography?**

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### **Which (Anova PRO vs. AEOS) is better for videography?**

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## What do i need to make Flash work with Rotolight Aeos and my camera?

Aeos will work with any HSS trigger/receiver combo with either a PC sync port or 3.5mm flash sync port on the receiver. The only thing that matters is that it is high speed sync capable trigger/receiver (HSS), that your camera is capable of HSS (not all are - particularly Fuji's) and that the receiver has a PC sync port or 3.5mm flash sync port, so you can connect it to Aeos, which has a 3.5mm mini jack flash sync port. You can also just use a wired PC sync cable to 3.5mm mono jack cable (for AEOS) for a much cheaper option if desired.

### We have tested and would specifically recommend:

Pixel King PRO (Approx \$120-140 per set of 2, depending on camera type)

This is the set of 2 (one can be transmitter, one the receiver)

**For Sony (King PRO S):** [https://www.amazon.com/Pixel-Transceivers-Screen-Cameras-RX10III/dp/B01M7NG4EO/ref=sr\\_1\\_4?ie=UTF8&qid=1499182077&sr=8-4&keywords=pixel+king+pro+sony](https://www.amazon.com/Pixel-Transceivers-Screen-Cameras-RX10III/dp/B01M7NG4EO/ref=sr_1_4?ie=UTF8&qid=1499182077&sr=8-4&keywords=pixel+king+pro+sony)

**For Canon :** [https://www.amazon.com/Pixel-King-PRO-Set-Canon/dp/B016PSIP7K/ref=sr\\_1\\_1?ie=UTF8&qid=1499182143&sr=8-1&keywords=pixel+king+pro+canon](https://www.amazon.com/Pixel-King-PRO-Set-Canon/dp/B016PSIP7K/ref=sr_1_1?ie=UTF8&qid=1499182143&sr=8-1&keywords=pixel+king+pro+canon)

**For Nikon :** [https://www.amazon.com/Pixel-Generation-Wireless-Trigger-Nikon/dp/B00EXA7KX8/ref=sr\\_1\\_1?ie=UTF8&qid=1499182203&sr=8-1&keywords=pixel+king+pro+nikon](https://www.amazon.com/Pixel-Generation-Wireless-Trigger-Nikon/dp/B00EXA7KX8/ref=sr_1_1?ie=UTF8&qid=1499182203&sr=8-1&keywords=pixel+king+pro+nikon)

Other options we like :

1. **Phottix ODIN II** (Canon/ Nikon) (approx \$300 for trigger + receiver)

**Trigger :** <http://www.phottix.com/index.php/en/flash-triggers/odin-ii-transmitter-canon-nikon-sony.html?options=cart>

**Receiver :** <http://www.phottix.com/index.php/en/flash-triggers/odin-ii-receiver-canon-nikon.html?options=cart>

Or

2. Sony HSS transmitter/ receiver (\$450)

(Jason Lanier Sony Ambassador) uses this but it is pretty pricey so option 1 is a better bet.

### Trigger:

Sony FA-WRC1M

### Receiver:

Sony FA-WRR1

3. Wired PC sync cable

The vastly cheaper option (although obviously a little less flexible than wireless triggers) is to buy a PC sync cable, IF your camera has a PC sync port on it. Not all of them do, but if it does then you can just use a long PC sync cable like this :

<https://www.calphoto.co.uk/product/broncolor-5M-Sync-Lead/371-300D?tracking=|searchterm:pc|sync%20cable>

Thanks let me know if you have any other questions!

## **Which trigger should I use when shooting HSS with my camera ?**

Aeos will work with any HSS trigger/receiver combo, where the receiver has a PC sync or 3.5mm mono jack flash sync port. The only thing that matters is that it is high speed sync capable trigger/receiver (HSS), that your camera is capable of HSS (not all are - particularly Fuji's) and that the receiver has a PC sync or 3.5mm flash sync port on it, so you can connect it to Aeos, which has a 3.5mm mono jack flash sync port. You can also just use a wired PC sync cable to 3.5mm mono jack cable (for AEOS) for a much cheaper option if desired.

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For **Olympus**:

For **Leica**:

For **Fuji**:

For **Pentax**:

For **Samsung**:

For **Panasonic**:

For **Hasselblad**:

Other options we like :

1. **Phottix ODIN II** (Canon/ Nikon) (approx \$300 for trigger + receiver)

**Trigger** : <http://www.phottix.com/index.php/en/flash-triggers/odin-ii-transmitter-canon-nikon-sony.html?options=cart>

**Receiver** : <http://www.phottix.com/index.php/en/flash-triggers/odin-ii-receiver-canon-nikon.html?options=cart>



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### **Which trigger should I use for HSS with my Sony camera?**

AEOS will work with any HSS trigger/receiver combo, where the receiver has a PC sync or 3.5mm mono jack flash sync port. The only thing that matters is that it is high speed sync capable trigger/receiver (HSS), that your camera is capable of HSS (not all are - particularly Fuji's) and that the receiver has a PC sync or 3.5mm flash sync port on it, so you can connect it to AEOS, which has a 3.5mm mono jack flash sync port. You can also just use a wired PC sync cable to 3.5mm mono jack cable (for AEOS) for a much cheaper option if desired.

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*Otherwise Sony have a nice HSS transmitter receiver but it is an expensive option (\$450), and we have tested the above which works very well.*

#### **Trigger:**

Sony FA-WRC1M

#### **Receiver:**

Sony FA-WRR1

### **What Flash Trigger does Jason Lanier (Sony Ambassador) use?**

*Jason uses :*

#### **Trigger:**

Sony FA-WRC1M

#### **Receiver:**

Sony FA-WRR1

*This is a great option but it can be a little pricey, For a cheaper option for Sony, we have tested the **Pixel King PRO S** For Sony which works great, is HSS and supports up to 1/8000th :*

[https://www.amazon.com/Pixel-Transceivers-Screen-Cameras-RX10III/dp/B01M7NG4EO/ref=sr\\_1\\_4?ie=UTF8&qid=1499182077&sr=8-4&keywords=pixel+king+pro+sony](https://www.amazon.com/Pixel-Transceivers-Screen-Cameras-RX10III/dp/B01M7NG4EO/ref=sr_1_4?ie=UTF8&qid=1499182077&sr=8-4&keywords=pixel+king+pro+sony)

### **How many flashes can you do with the Aeos on a single battery?**

One major advantage of Aeos over a typical strobe is battery life. A typical strobe will last somewhere between 250-400 full power flashes before the battery pack is empty. Replacement battery packs can be very costly, not to mention heavy to carry. Aeos is incredibly efficient on power and can do 150,000 (!) full power flashes before the (optional) Rotolight RL-95-BATT is empty so instead of needing to buy 3-4 to cover a days shooting, one battery will last the entire shoot! *The Rotolight Aeos also supports high speed sync (1/8000th), and has no recycle time, meaning you will never miss a shot, whether it be a wedding, sports or general portrait photography.*