

The awaited core of the Angénieux Gight-End Full Frame Solution

Optimo Prime Series

With  Integrated[®]
Optical Palette





An Optimo Prime Series for Full Frame

The Full Frame Optimo Prime Series is a perfect match with the Optimo Ultra 12X, the new long-range zoom reference of the industry. The Optimo Prime series is part of Angénieux's latest high-end lens collection and is ideal for demanding productions requiring native cinema design. 70-years after the first Angénieux prime series, Optimo Primes are the result of decades of proven experience and know-how in high-precision optics and mechanics. They are based on cinematographers and rental companies feedback.

Each lens in the 12 pieces of the series (from 18mm to 200mm) was designed to be incredibly compact and lightweight, most of them at a fast T1.8 with Optimo-class mechanics and feel that embodies the legendary Angénieux look.

Optimo Primes are like several series in one with customizable lenses thanks to the unique Integrated Optical Palette providing special user-features (interchangeable Iris, internal glass elements, rear filter) to express your own creativity.

When associated, the Optimo Ultra 12x and the Optimo Prime Series make a solid Full Frame global solution for all types of applications (High-end feature films, short films, commercials...).



The Angénieux Optimo Primes are **incredibly compact & lightweight.**

7 out of 12 lenses have the **same volume and weight**
F24 - F28 - F32 - F40 - F50 - F60 - F75 : 1,7kg / 3,75lbs

Each focal length has a **specific design** including :
Optimo class mechanics & Optimo optical quality
(200lp/mm resolution)

And the famous **Angénieux** look.

Functionalites of **High-end cine lenses**

- ◆ Constant volume
- ◆ Linear iris
(as for Optimo Zoom Range)
- ◆ Non-linear focus
(as for Optimo Zoom range)
with 320° focus rotation angle, possibility to go "beyond" ∞ and close focus
- ◆ Identical colorimetry across the range
matched to Optimo Zooms
- ◆ Round bokeh across image plane
- ◆ Interchangeable feet/meter ring
- ◆ Front diameter 95mm
(except for 200 mm which is at 114 mm)
- ◆ Meta data (Cooke-I)
- ◆ All 12 lenses share the same gear positions
to allow quick lens change without moving external lens motors
- ◆ Available in PL mount
- ◆ Support Full Frame & Super35



Focal Length (mm)

18

21

24

28

Max T-Stop	2	1,8	1,8	1,8
Minimum object distance	1'2"	1'2"	1'2"	1'2"
Front diameter	3,74" / 95mm	3,74" / 95mm	3,74" / 95mm	3,74" / 95mm
Image circle	1,8/46.31	1,8/46.31	1,8/46.31	1,8/46.31
Length from PL mount	6.30" / 160mm	5.51" / 140mm	5.04" / 128mm	5.04" / 128mm
Horizontal FOV	97.0°	87.8°	81.3°	72.5°
Vertical FOV	65.0°	57.0°	51.4°	44.7°
Focus Barrel Rotation MOD to Infinity	320°	320°	320°	320°
Focus Barrel Rotation end stop to end stop	300°	300°	300°	300°
Iris Barrel Rotation	75°	75°	75°	75°
Weight	<1.9kg / 4.2lbs	<1.9kg / 4.2lbs	<1.7kg / 3.75lbs	<1.7kg / 3.75lbs
Reference (feet)	324783	324778	324786	324776
Reference (meters)	324887	324882	324890	324880



Focal Length (mm)	32	40	50	60
Max T-Stop	1,8	1,8	1,8	1,8
Minimum object distance	1'2"	1'2"	1'4"	1'8"
Front diameter	3,74" / 95mm	3,74" / 95mm	3,74" / 95mm	3,74" / 95mm
Image circle	1,8/46.31	1,8/46.31	1,8/46.31	1,8/46.31
Length from PL mount	5.04" / 128mm	5.04" / 128mm	5.04" / 128mm	5.04" / 128mm
Horizontal FOV	65.3°	54.3°	44.3°	37.3°
Vertical FOV	39.5°	32.0°	25.7°	21.5°
Focus Barrel Rotation MOD to Infinity	320°	320°	320°	320°
Focus Barrel Rotation end stop to end stop	300°	300°	300°	300°
Iris Barrel Rotation	75°	75°	75°	75°
Weight	<1.7kg / 3.75lbs	<1.7kg / 3.75lbs	<1.7kg / 3.75lbs	<1.7kg / 3.75lbs
Reference (feet)	324781	324775	324780	324784
Reference (meters)	324885	324879	324884	324888



Focal Length (mm)

75

100

135

200

Max T-Stop

Minimum object distance

1,8

2'

Front diameter

3,74" / 95mm

Image circle

1,8/46.31

Length from PL mount

5.04" / 128mm

Horizontal FOV

30.1°

Vertical FOV

17.3°

Focus Barrel Rotation MOD to Infinity

320°

Focus Barrel Rotation end stop to end stop

300°

Iris Barrel Rotation

75°

Weight

<1.7kg / 3.75lbs

1,8

1'8"

3,74" / 95mm

1,8/46.31

5.04" / 128mm

22.9°

13.0°

320°

300°

75°

<1.8kg / 3.96lbs

1,8

3'3"

3,74" / 95mm

1,8/46.31

5.51" / 140mm

17°

9.6°

320°

300°

75°

<2.0kg / 4.4lbs

2,2

4'

4,50" / 114mm

1,8/46.31

7.48" / 190mm

11.5°

6.5°

320°

300°

75°

<2.3kg / 5.07lbs

Reference (feet)

324779

324782

324777

324785

Reference (meters)

324883

324886

324881

324889

Compatible with High-end Cameras

Red Monstro

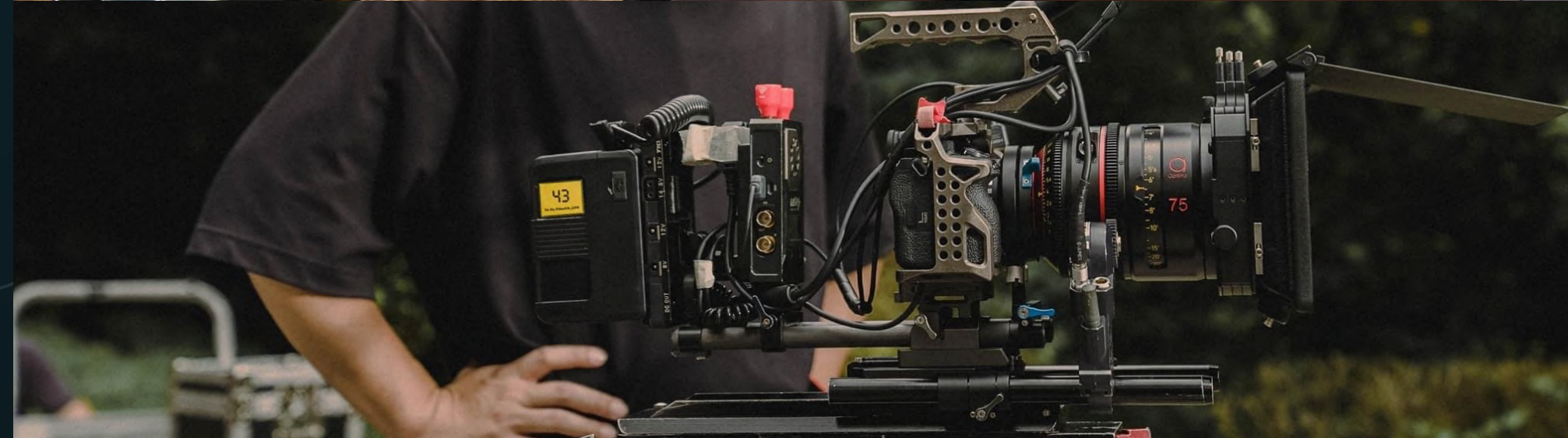
Arri Mini LF

Arri Alexa LF

Sony Venice

Burano

Alexa 35





IOP[®] Integrated[®] Optical Palette by Angénieux

The Angénieux Optimo Prime Series includes unique creative possibilities for cinematographers, based on a new technology by Angénieux called Integrated Optical Palette (IOP).

The IOP technology, just like the IRO technology for the zooms, is the result of well-known Angénieux's innovation capabilities.



The palette uncludes Customizable Elements

- Inter-changeable iris : 3, 9 iris blade (9 as standard), oval (*coming soon*)
- Internal glass elements : Clear, Uncoated, Glimmer Glass $\frac{1}{8}$, Black Satin $\frac{1}{8}$, Black Pro Mist $\frac{1}{8}$, Low Contrast $\frac{1}{8}$, Blue Streak, Net Optics
- Screw-in Rear filter : custom-designed vintage rear filter with 40.5mm (S35) & 46mm (FF) thread.

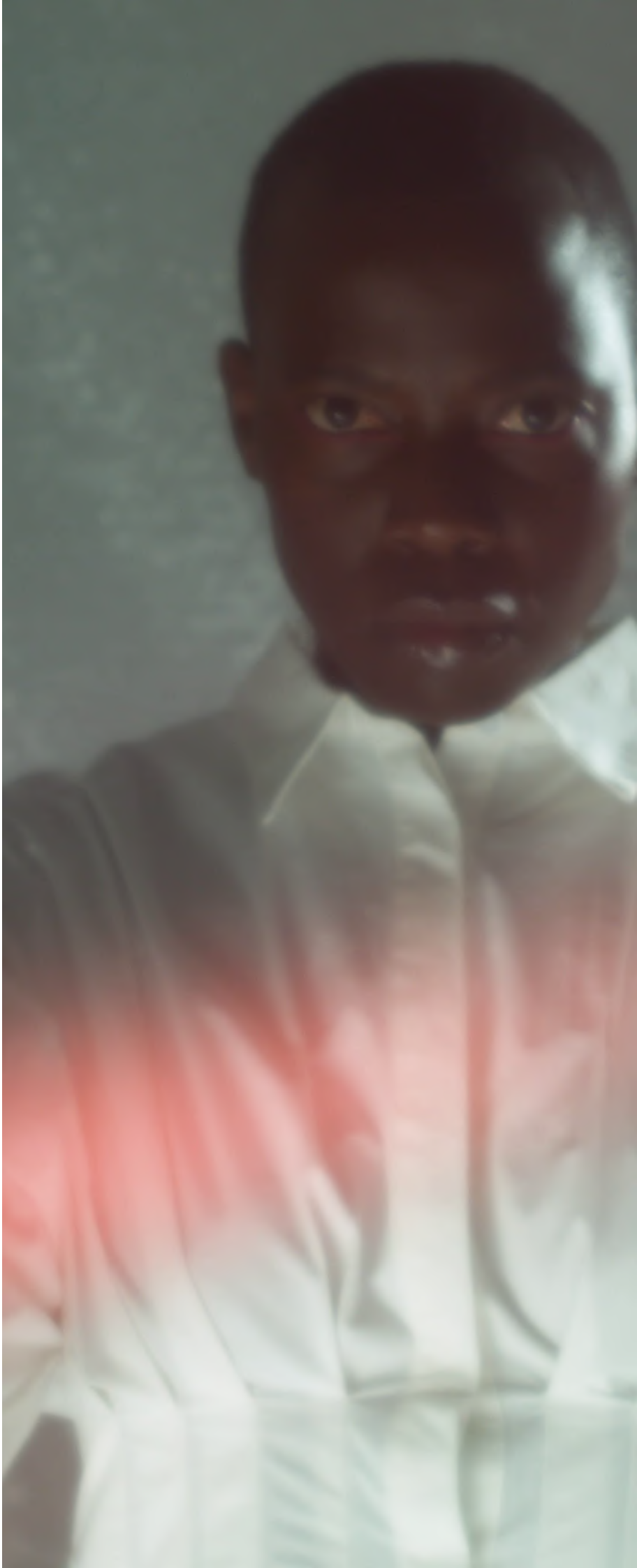
The IOP offer is still to be fully completed
so some elements may not be immediately available

Clear

The Clear Optic is the most customizable support to express your full creativity. It is made out of optic glass for you to have a free access to custom effects.
The main idea is for you to own this glass and alter it or tweak it the way you feel.

Express yourself using all kind of products to generate special artistic effects. Any spray, glue or shims would provide very specific and unique looks.
A cracked clear filter will give a special ray effect, introducing flares.

This product has to be considered as a consumable part, craft and go run your trials!



Uncoated

Just imagine our Clear Optic filter on which the anti-reflective coating has been removed.

Basically, a transparent piece of glass that allows reflections. The intention is to create a subtle flare effect on the image's brightness maintaining the intrinsic quality level of the prime lens.

To be noted that with a strong luminosity, the effect of the filter is quite soft, but with a low luminosity, with strong contrast, the effect becomes major on the illuminances.



Black ProMist^{1/8}

It is easy to see why the Black Pro-Mists have been such a success for over the past 30 or so years.

Its unique layering of contrast combined with a gauzy paint like halation, function as a twist on the stand of the pro halation spill effect.

Even at its lowest density, it delivers an effective and increase in the halation which adds a pleasing depth of warmth, but is not transported to the skin tone values.

These characteristics will become more apparent when you use densities of 1 quarter and above. In the heavier densities, the spill is quite aggressive from the practical light, with the warm tone becoming more apparent. Yet the subtle but effective look still continues to make the pro mist filter a staple filter for many cinematographers in the digital world.



Black Satin^{1/8}

The Black Satin Filter helps to reduce the overall contrast of an image and better control the highlights within a scene. In addition to rendering highlights with a grittier, more grainy appearance, this filter also helps to subtly soften facial blemishes and wrinkles for a natural, refined look.

This filter helps maintaining a clear focus and realizes a more filmic look than purely digital capture can otherwise record.



Glimmer Glass^{1/8}

Glimmerglass is a line of diffusion filters that produces a soft clean halation around practical and specular light sources, while keeping an apparent sharpness on the overall image.

On close ups, the apparent sharpness and fine detail is kept as the effect of the filter lowers contrast while softly rolling into the shadow area. This low contrast affect moderately mutes bright colors. This makes the lower end of the glimmer glass diffusion line produce a non-destructive or invasive look. Even at heavier densities, the filter never becomes overly powerful in its spread of halation.

The Glimmerglass series of filters also has a benefit of sparkling when viewed, which can add reassurance to your talent when shooting beauty; that way you can fully concentrate on the look of your shot.



Low Contrast^{1/8}

The Low Contrast Filter works to lessen contrast across the image by creating a small amount of controlled flare near highlight areas. This enables greater detail to be attained in shadow regions, while unaffected the highlights values, in order to produce lower apparent contrast.

This filter is ideal for use during midday and other high contrast lighting situations when it is difficult to control both overexposed highlights and underexposed shadows.



Blue Streak

This IOP element allows materializing the flare effects in reference to the cylindrical elements of front anamorphic lenses.

The orientation is defined when the product is installed. It provides a unique blue line on the image, which is characteristic of anamorphic lenses. If an image or footage is made with an anamorphic lens for the primary purpose of getting a greater aspect ratio than what is possible when only using spherical lenses on a 35mm format, the direct result will appear compressed and distorted.

A complementary effect of this process after it is completed is the creation of elongated, blue-colored, horizontally symmetrical highlights from point light sources that can extend through the frame. This filter is most effective for pictures where the light source used to generate the streak effect is a highlight with a significant degree of contrast from the rest of the image.



Net Optics

Angénieux Net Optics has been designed to specifically create a net diffusion effect homogeneously within an image.

A black colored frame is integrated inside this filter's glass in order to soften focus and ease the image. The idea behind this filter is to recreate the "Chanel stocking" technique well known in the industry. Available in black, the Net Optics filter will allow you to recreate a soft vintage look within your shot while maintaining a contrast level.

Installed within the lens in between optical groups, the Net Optics filter will offer you consistency over any of the Optimo Prime lenses Focal length. You do not need to worry about filter strengths anymore in order to match your sequence; the same filter does it all!



3 Blades

Stand out with an original bokeh, such an iris with 3 triangular blades provides a very noticeable bokeh signature.

This iris will generate a perfect equilateral triangle shape, the bokeh will take the shape of the lens pupil, which appears, in the highlights. The triangular effect appears only from T2.8. At T1.8 on full aperture, the bokeh remains perfectly standard, a round one.

Three blade irises were used traditionally on some lenses in the 60s, to give a very unique look to the image and bring new creativity to the cinematographer. This IOP element will be perfect to generate a certain atmosphere in a commercial or a feature film. To be noted that for this iris, three types of subassemblies are proposed to cover the whole Optimo Prime range of lenses.

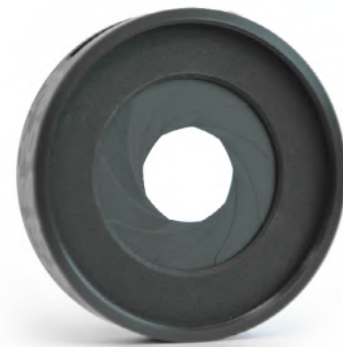


9 Blades

Already integrated in your Prime, for the classic Angénieux look.

As original equipment, our Optimo Prime Lenses are equipped with properly balanced nine blades irises. An equiponderant round diaphragm designed by Angénieux Opticians and Engineers expertise.

Paired with the excellent image resolution of our Optimo Prime lenses, the 9 blades iris will guarantee a symmetrical bokeh look from the center of the image up to the edges and the corners. The ability to observe such harmonious bokeh over the entire scene will allow you to achieve consistency over the whole range of Optimo Prime Lenses, no matter the focal length.



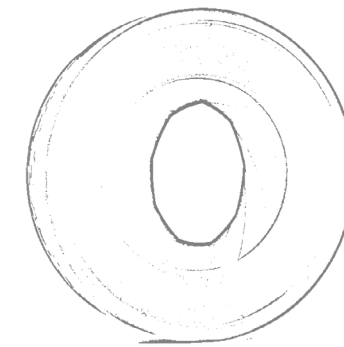
Oval

This IOP element provides a mimic of the the front anamorphic lenses bokeh.

If this oval iris is cumulated with a blue streak effect element, the anamorphic is recreated while using a spherical lens. This way, images shot with anamorphic lenses can easily be matched with images made with an Optimo Prime.

Some horizontal flares, which are typical from the anamorphic format, appear. For instance, such an iris allows to obtain effects that make the glimmers more attractive. A uniform blue light line is generated for appealing and authentic images.

Comming soon.



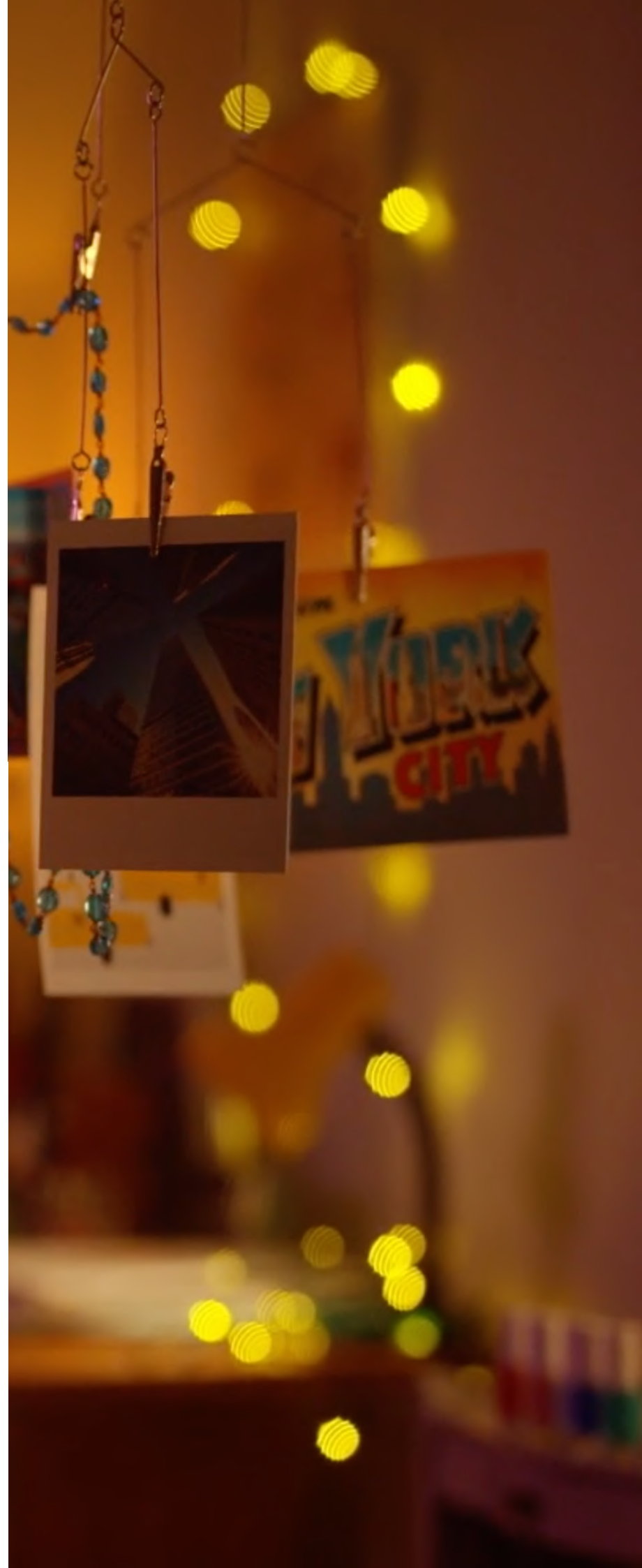
Vintage

Stand out with an original bokeh, such an iris with 3 triangular blades provides a very noticeable bokeh signature.

Easy to screw and unscrew in a matter of a few seconds, our internally processed rear filter will provide a very unique vintage look to your image to help you create all kind of old fashioned atmospheres.

Our Vintage filters glass went through a very specific and controlled process of polishing and tuning accuracy in order to reproduce the mighty Angénieux 25x250 HR zoom look. The rear Vintage filter will help you to escape this crisp digital world by achieving soft and magical dreamy effect.

Out of stocks.
















IOP Tooling Set

The IOP tooling set has been specifically designed by Angénieux to provide easy interchangeability of all IOP elements. This operation should be done in a clean environment and will require a limited amount of time (around 15 minutes) if done by a trained technician at your rental company or Angénieux Service Center.

This high-quality set will allow you to change the iris subassembly, internal IOP elements or rear filter.





Clear	
Uncoated	
Black Pro Mist	
Black Satin	
Glimmer Glass	
Low Contrast	
Blue Streak	
Net Optics	
3 Blades Iris	
Oval Blade Iris	
9 blades Iris	
Vintage	
IOP Tool Kit	

Continuity of the effect on all the lenses...
for controlled creative result.

Want to get **your own set of Optimo FF ?**
Please contact :

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Contact the **service team** closest to you.

If you have trouble finding the closest repair or service center for your Angénieux Optimo lenses, you can go to [the service & support page on our website](#) to find the list of our fully factory-trained international partners.

Or you can **contact the Angénieux service team :**

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Angénieux Optimo Primes
with IOP effects by PolarMedia



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Angénieux Tutorial Video
for Optimo Ultra 12x



KNOW YOUR LENSES
The expression of the French
savoir-faire in all its splendor



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disassembling & reassembling