

angénieux®

bandpro



J|CineCast
Capturing Beyond Limits

FULL FRAME OPTIMO PRIME SERIES

with
Integrated Optical Palette

BE CREATIVE
BE CRAZY
BE YOURSELF

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...).





OPTIMO PRIME **18**



OPTIMO PRIME **21**



OPTIMO PRIME **24**

Focal Length (mm)	Max T-Stop	Minimum Object Distance (feet/m)	Front Diameter (mm)	Image Circle (mm)	Weight (lbs/kg)	Reference (feet/meters)
18	2	1'2"/0.36	95	46.31	4.4/2	324783/324887
21	1.8	1'2"/0.36	95	46.31	3,7/1.7	324778/324882
24	1.8	1'2"/0.36	95	46.31	3.5/1.6	324786/324890

Length (inches/mm) From PL Mount	Horizontal FoV Sensor size : H40.5mmxV22.8mm	Vertical FoV	Focus Rotation MOD to Infinity	Focus Rotation end stop to end stop	Iris Rotation	Drive Gears
6.30/160	97.0°	65.0°	300°	320°	75°	0.8 Metric Module (Industry Standard)
5.51/140	87.8°	57.0°	300°	320°	75°	
5.04/128	81.3°	51.4°	300°	320°	75°	



OPTIMO PRIME **28**



OPTIMO PRIME **32**



OPTIMO PRIME **40**

Focal Length (mm)	Max T-Stop	Minimum Object Distance (feet/m)	Front Diameter (mm)	Image Circle (mm)	Weight (lbs/kg)	Reference (feet/meters)
28	1.8	1'2"/0.36	95	46.31	3.3/1.5	324776/324880
32	1.8	1'2"/0.36	95	46.31	3.3/1.5	324781/324885
40	1.8	1'2"/0.36	95	46.31	3.5/1.6	324775/324879

Length (inches/mm) From PL Mount	Horizontal FoV	Vertical FoV	Focus Rotation MOD to Infinity	Focus Rotation end stop to end stop	Iris Rotation	Drive Gears
5.04/128	72.5°	44.7°	300°	320°	75°	0.8 Metric Module (Industry Standard)
5.04/128	65.3°	39.5°	300°	320°	75°	
5.04/128	54.3°	32.0°	300°	320°	75°	



OPTIMO PRIME **50**



OPTIMO PRIME **60**



OPTIMO PRIME **75**

Focal Length (mm)	Max T-Stop	Minimum Object Distance (feet/m)	Front Diameter (mm)	Image Circle (mm)	Weight (lbs/kg)	Reference (feet/meters)
50	1.8	1'4"/0.41	95	46.31	3.5/1.6	324780/324884
60	1.8	1'8"/0.51	95	46.31	3.3/1.5	324784/324888
75	1.8	2'/0.61	95	46.31	3.5/1.6	324779/324883

Length (inches/mm) From PL Mount	Horizontal FoV <i>Sensor size : H40.5mmxV22.8mm</i>	Vertical FoV	Focus Rotation MOD to Infinity	Focus Rotation end stop to end stop	Iris Rotation	Drive Gears
5.04/128	44,3°	25.7°	300°	320°	75°	0.8 Metric Module (Industry Standard)
5.04/128	37.3	21.5°	300°	320°	75°	
5.04/128	30.1°	17.3°	300°	320°	75°	



OPTIMO PRIME **100**



OPTIMO PRIME **135**



OPTIMO PRIME **200**

Focal Length (mm)	Max T-Stop	Minimum Object Distance (feet/m)	Front Diameter (mm)	Image Circle (mm)	Weight (lbs/kg)	Reference (feet/meters)
100	1.8	2'4"/0.71	95	46.31	3.5/1.6	324782/324886
135	1.8	3'3"/0.99	95	46.31	4.1/1.9	324777/324881
200	2.2	4'/1.22	114	46.31	5.5/2.5	324785/324889

Length (inches/mm) From PL Mount	Horizontal FoV Sensor size : H40.5mmxV22.8mm	Vertical FoV	Focus Rotation MOD to Infinity	Focus Rotation end stop to end stop	Iris Rotation	Drive Gears
5.04/128	22.9°	13.0°	300°	320°	75°	0.8 Metric Module (Industry Standard)
5.51/140	17°	9.6°	300°	320°	75°	
7.48/190	11.5°	6.5°	300°	320°	75°	

Characteristics subject to change without notice

Major characteristics

The Angénieux Optimo Primes are incredibly compact and lightweight: 7 out of 12 lenses (F24/F28/F32/F40/F50/F60/F75) have the same volume and weight (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.

They also have all the functionalities 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» infinity 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
- Compatible with High-end cameras such as :
 - Arri Alexa LF
 - Arri Mini LF
 - Red Monstro 8K
 - Sony Venice

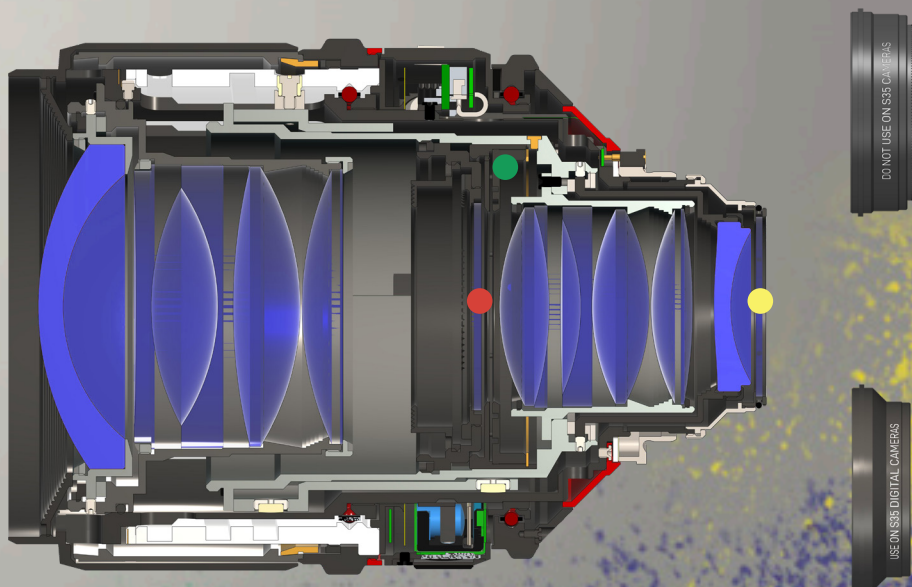
Integrated Optical Palette (IOP)



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 includes customizable elements:

- Interchangeable iris: 3, 9 iris blade (9 as standard), oval
- Internal glass elements: diffusion/vintage, flare, anamorphic-like streaks/blue reflection (+oval iris)
- Screw-in Rear filter: custom design rear filter with 40.5mm (S35) & 46mm (FF) thread

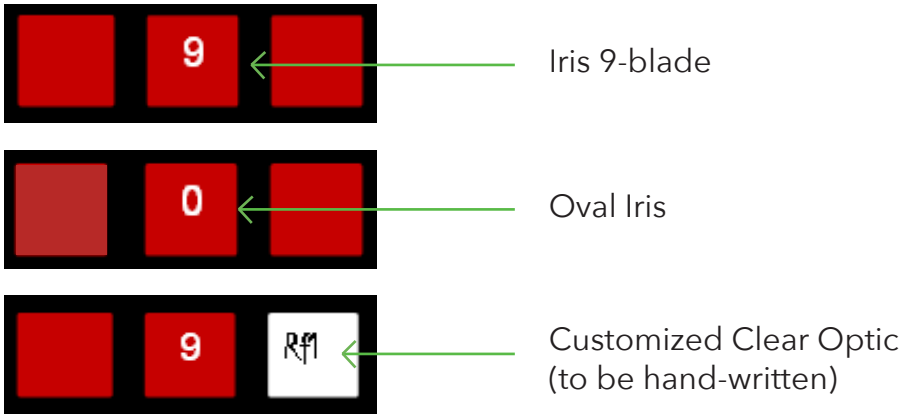


Creative options*: Phase One offer

Type		Reference		Compatibility
IRIS	3-blade iris triangular	D38 D38 inv D26	66066978AA 66066979AA 66066980AA	F28 / F40 / F100 / F135 / F200 F24 / F32 / F50 / F60 / F75 F18 / F21
	Oval	D38 D38 inv D26	66068661AA 66068662AA 66068663AA	F28 / F40 / F100 / F135 / F200 F24 / F32 / F50 / F60 / F75 F18 / F21
INTERNAL GLASS ELEMENT (AFOCAL)		Clear filter Uncoated Blue streak	66068016AA 66067549AA 66068076AA	
REAR FILTER		Vintage S35	66069063AA	

The effects generated by the different irises and internal elements will be the same for all focal lengths. The actual intensity of those effects will depend on picture content, lightning conditions and lens settings.

The Optimo Primes come with interchangeable special pins, in order to indentify which element of the palette is integrated in a lens.



The background features a series of faint, concentric circles in shades of grey and white, creating a ripple effect. In the bottom right corner, there are vibrant, textured splatters of yellow, blue, green, and red, resembling paint or ink. The overall composition is minimalist and artistic.

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3-BLADE IRIS

Such an iris with 3 triangular blades gives a strong bokeh. The desired effect is a perfect equilateral triangle. This iris will generate a particular effect on the bokeh and particularly on the highlights. 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 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.

OVAL IRIS

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

For instance, if this oval iris is cumulated with a bluestreak effect element, the anamorphic is recreated on the basis of a spherical lens. This way, images shot with anamorphic lenses can easily be matched with images made with a spherical 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 really authentic images.

CLEAR FILTER

This IOP element, which replaces the element that was originally installed on the lens, can be used as a support to express your full creativity. It is made for a free access to custom effects. You can use all kinds of products to generate special artistic effects. For instance, some hairspray on it or some glue, some shims will create very specific looks. A broken clear filter will give a special ray effect... This product is considered as a consumable item.

UNCOATED

This is a filter on which the antireflective coatings have been removed allowing to emphasize the reflection effects. It creates a very specific look to give a particular atmosphere with reflect.

The intention is to create a subtle flare effect on the image brightnesses maintaining the intrinsic quality level of the prime lens. It can be combined with other items to emphasize the effect.

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.

BLUE STREAK

This IOP element allows to materialize 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 so 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.

VINTAGE REAR FILTER

Easy to unscrew and screw, this rear filter will give a unique vintage look to your image to create all kind of old fashioned atmospheres.

IOP EFFECT EXAMPLES



CRACKED IOP ELEMENT



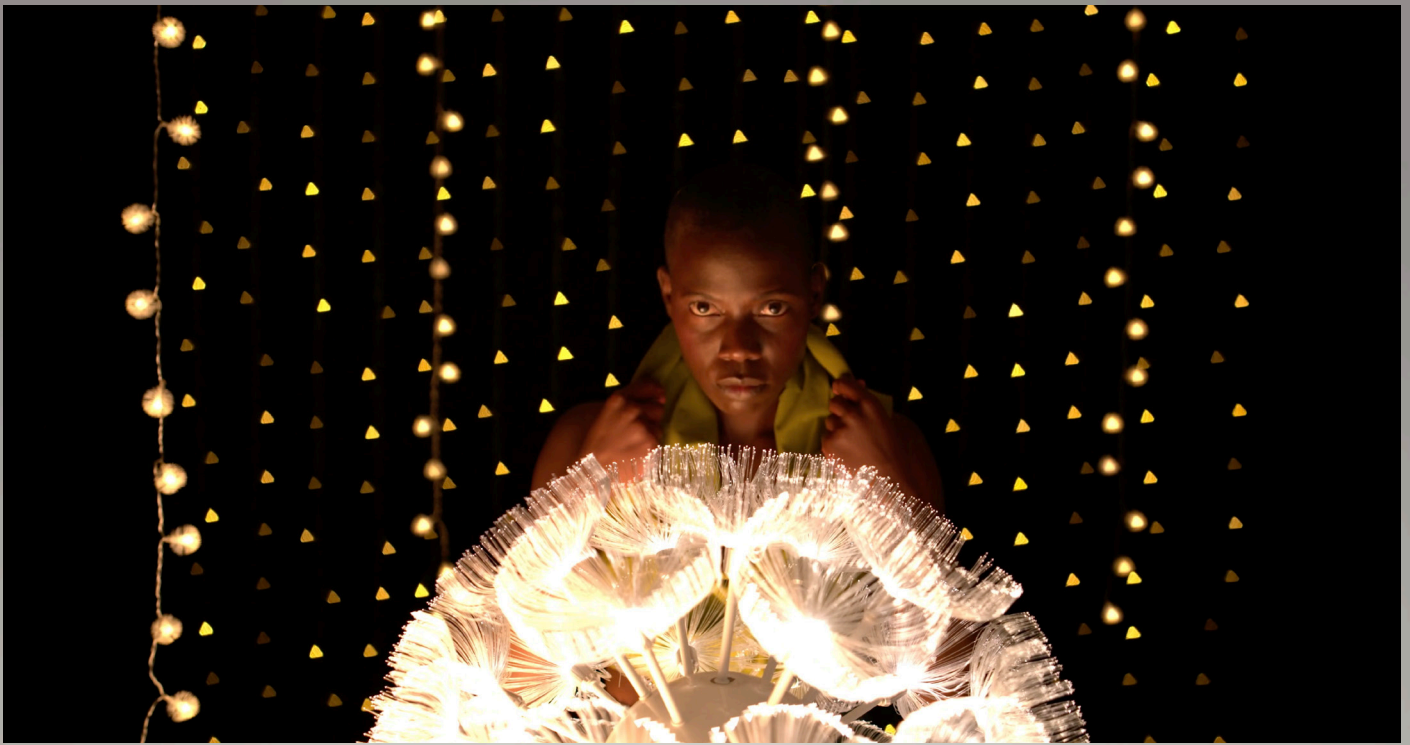
BLUE STREAK ELEMENT



**UNCOATED IOP ELEMENT + YELLOW ND
ON LIGHT SOURCE**



UNCOATED ELEMENT



3-BLADE IRIS



9-BLADE IRIS

Optimo Primes with IOP Effects video

[Click Here](#)



For more information on the Optimo Prime Series, please contact for:

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September 2021 Edition

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