



The ARRI-Guide

for Ground Glasses, Frameglow-, Format Masks and Exposed Negative Areas

for ARRICAM, ARRIFLEX 535, 535B, 435 and ARRIFLEX 16SR 3 / Advanced Cameras

By K. Jacumet & J. Thieser

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2. Glossary

In every production and distribution step, the size of the image is reduced to compensate for tolerances and avoid image distortions, which might occur at the edge of the image. The image sizes start at the largest possible image area and are gradually reduced according to the post production and distribution stage.

**Exposed negative area
(camera aperture)**

Image area on the negative film which is exposed in various aspect ratios and sizes according to international standards.

TV scanned

Image area which is scanned by telecines or high resolution film scanners to convert to electronic data. The actually scanned area can usually be zoomed in size and shifted in position by the scanner.

TV transmitted

Image area which is originally broadcasted but will not be entirely visible on home TV sets.

Projected area

Image area which is projected on cinema screens according to respective international standards.

TV safe action

Image area considered to be visible on every TV set.

TV safe title

Image area inside the TV safe action area in which titles can be expected to be displayed in optimum quality at the TV screen.

**DIN Super 35
(DIN S35)**

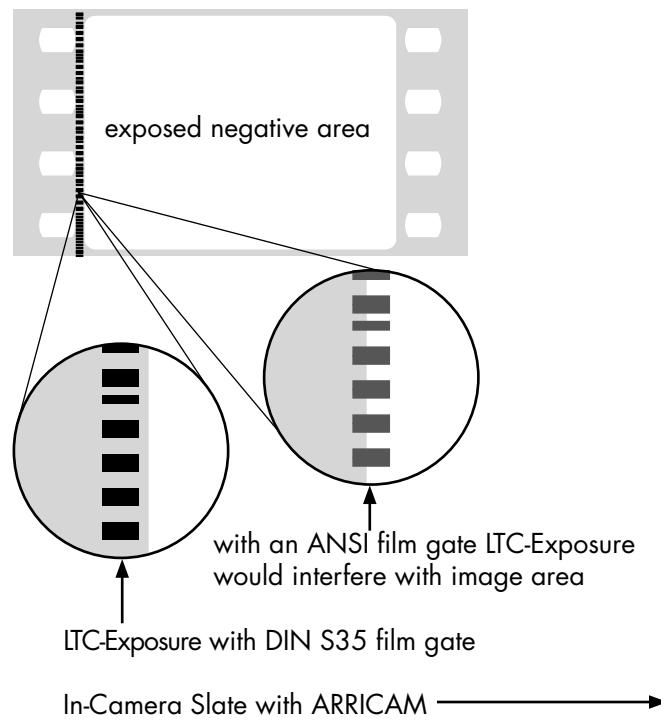
This format was originally developed in the 1950ties to use a maximum recording space of 24 mm width without a sound track. The format was standardized in an (DIN) industry norm.

**ANSI Super 35
(ANSI S35)**

To make even better use of the available negative space the width of the used picture area was enlarged to 24.9 mm without being part of any industry norm. Only as late as in the 1990ties this format was standardized in an ANSI norm.

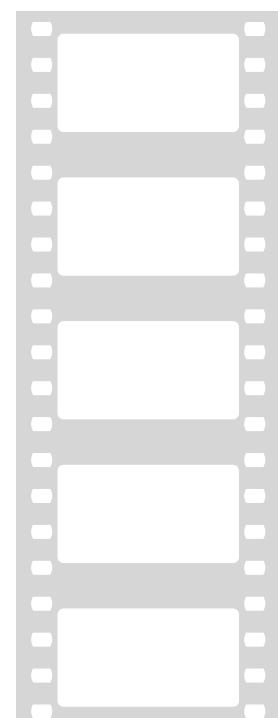
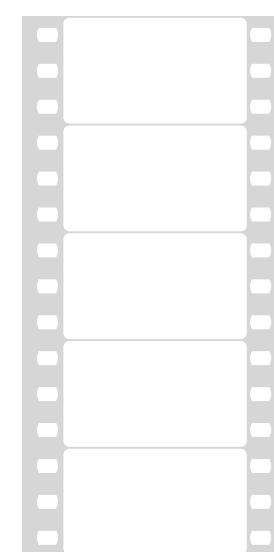
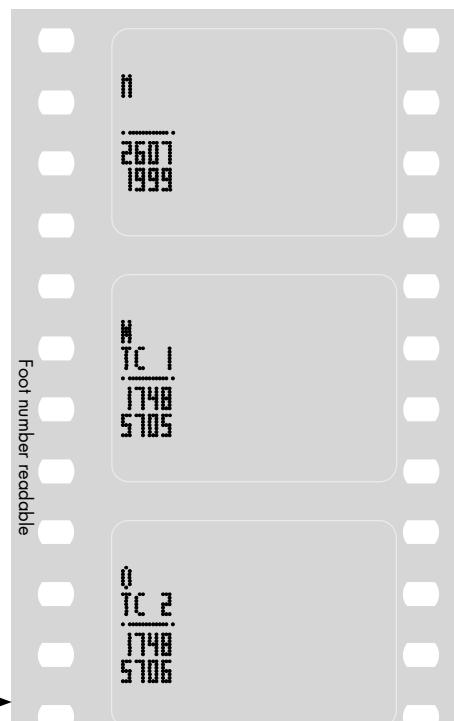
TC Exposure

The DIN S35 format was small enough to leave an unused space between the perforation and the image area on the film, which is used to record LTC with the ARRIFLEX 435 and ARRIFLEX 535/535B cameras. With the wider ANSI picture formats this space is no longer available, and subsequently the LTC can no longer be recorded without harming the picture. The ARRICAM cameras also support the ANSI standard, but employs a different recording method for TC with the In-Camera Slate System. Therefore in-camera slate recording in the ANSI format is possible with the ARRICAM cameras. See graphics



3-Perforation Filming

The 3-perforation format uses a pulldown and subsequently an image area that is only 3 perforation holes high, saving 25 % of raw stock, intermed positive, answer prints etc. also in the postproduction. This format is ideal when opting for the digital lab.



25% savings
per generation

Specific to ARRI Ground Glasses, please note:**Camera aperture
+ unexposed safety
viewing space**

Area on the ground glass which is larger than the actually exposed negative area to enable viewing of incoming objects e. g. microphones on top and bottom of the frame.

**Maximum ground glass
area**

As Super 35 format covers the entire available space on 35 mm negative size, the ground glasses are designed to show an extra area all around the actual camera aperture to aid framing.

Extended viewing space

Additional area around the outer frame lines to check for incoming objects e.g. microphones. Parts of this additional area might not be visible on the negative.

Format Masks**Please Note:**

This quoted format masks in the 35 mm ground glass drawings section represents the smallest aperture suitable for the respectively given ground glass. It is however possible to use format masks with larger apertures and to extract the required image format from the negative in post-production

Technical notes regarding this document:

In order to speed up download time all hatched areas on ground glasses have been replaced with a gray field which is similar to the appearance of the actual ground glass in the view finder.

In the PDF-file you may click on the drawings for further navigation!

3. 35 mm

3.1 N35 – Ground Glass Template



1.37 (Academy)

ARRICAM: —
Glowmask ST: —
Glowmask LT: —
ARRIFLEX 435/535: K2.44420.0
Glowmask 435/535: K2.47004.3

1.66

ARRICAM: K2.54101.0
Glowmask ST: K2.54118.0
Glowmask LT: K2.54118.0
ARRIFLEX 435/535: K2.44420.A
Glowmask 435/535: K2.47012.3

1.85

ARRICAM: K2.54103.0
Glowmask ST: K2.54112.0
Glowmask LT: K2.54112.0
ARRIFLEX 435/535: K2.44420.B
Glowmask 435/535: K2.47011.3

Scope (Factor 2) 2.35

ARRICAM: K2.54084.0
Glowmask ST: K2.54123.0
Glowmask LT: K2.54123.0
ARRIFLEX 435/535: K2.44420.C
Glowmask 435/535: K2.47006.3

TV 1.33 Safe (R 3.6 mm)

ARRICAM: —
Glowmask ST: —
Glowmask LT: —
ARRIFLEX 435/535: K2.44420.D
Glowmask 435/535: K2.47013.S

TV 1.33 safe (R 0.5 mm)

ARRICAM: K2.54100.0
Glowmask ST: K2.54117.0
Glowmask LT: K2.54117.0
ARRIFLEX 435/535: K2.41200.E
Glowmask 435/535: K2.47010.3

1.85+1.37

ARRICAM: —
Glowmask ST: —
Glowmask LT: —
ARRIFLEX 435/535: K2.44420.K
Glowmask 435/535: K2.46435.3

1.85+1.37+TV 1.33 safe

ARRICAM: K2.54059.0
Glowmask ST: K2.54053.0
Glowmask LT: K2.54053.0
ARRIFLEX 435/535: K2.44420.L
Glowmask 435/535: K2.47055.S

1.66+1.37

ARRICAM: —
Glowmask ST: —
Glowmask LT: —
ARRIFLEX 435/535: K2.44420.M
Glowmask 435/535: K2.47058.3

1.66+1.37+TV 1.33 safe

ARRICAM: K2.54058.0
Glowmask ST: K2.54052.0
Glowmask LT: K2.54052.0
ARRIFLEX 435/535: K2.44420.N
Glowmask 435/535: K2.47057.S

1.66+TV 1.33 safe

ARRICAM: —
Glowmask ST: —
Glowmask LT: —
ARRIFLEX 435/535: K2.44420.P
Glowmask 435/535: K2.47016.S

1.85+TV 1.33 safe

ARRICAM: K2.54104.0
Glowmask ST: K2.54120.0
Glowmask LT: K2.54120.0
ARRIFLEX 435/535: K2.44420.S
Glowmask 435/535: K2.47015.S

1.85+1.66

ARRICAM: —
Glowmask ST: —
Glowmask LT: —
ARRIFLEX 435/535: K2.44420.V
Glowmask 435/535: K2.47017.3

TV 1.78 trans

ARRICAM: K2.54102.0
Glowmask ST: K2.54113.0
Glowmask LT: K2.54113.0
ARRIFLEX 435/535: K2.44420.X
Glowmask 435/535: K2.47007.3

1.78+1.55+1.33 CGG

ARRICAM: K2.54086.0
Glowmask ST: K2.54090.0
Glowmask LT: K2.54090.0
ARRIFLEX 435/535: —
Glowmask 435/535: —

1.37+TV 1.33 safe

ARRICAM: K2.54000.0
Glowmask ST: K2.54051.0
Glowmask LT: K2.54051.0
ARRIFLEX 435/535: —
Glowmask 435/535: —

3 P TV 1.33 safe/trans

ARRICAM: K2.54062.0
Glowmask ST: K2.54056.0
Glowmask LT: K2.54056.0
ARRIFLEX 435/535: —
Glowmask 435/535: —

3.2 DIN S35 – Ground Glass Template

DIN S35 Silent 1.33

ARRICAM: —
 Glowmask ST: —
 Glowmask LT: —
 ARRIFLEX 435/535: K2.44420.E
 Glowmask 435/535: K2.47005.3

DIN S35 2.35 off center

ARRICAM: —
 Glowmask ST: —
 Glowmask LT: —
 ARRIFLEX 435/535: K2.44420.F
 Glowmask 435/535: K2.47018.3

DIN S35 1.85

ARRICAM: —
 Glowmask ST: —
 Glowmask LT: —
 ARRIFLEX 435/535: K2.44420.G
 Glowmask 435/535: K2.47009.3

DIN S35 2.35 + 1.85 common top

ARRICAM: —
 Glowmask ST: —
 Glowmask LT: —
 ARRIFLEX 435/535: K2.44420.H
 Glowmask 435/535: K2.47172.3

DIN S35 1.85+TV 1.33 safe

ARRICAM: —
 Glowmask ST: —
 Glowmask LT: —
 ARRIFLEX 435/535: K2.44420.I
 Glowmask 435/535: K2.47059.3

DIN S35 2.35 centric

ARRICAM: —
 Glowmask ST: —
 Glowmask LT: —
 ARRIFLEX 435/535: K2.44420.W
 Glowmask 435/535: K2.47035.3

DIN S35 TV 1.78 safe

ARRICAM: —
 Glowmask ST: —
 Glowmask LT: —
 ARRIFLEX 435/535: K2.44420.2
 Glowmask 435/535: K2.47008.3

DIN S35 TV 1.33 safe

ARRICAM: —
 Glowmask ST: —
 Glowmask LT: —
 ARRIFLEX 435/535: K2.41200.F
 Glowmask 435/535: K2.47281.3

3.3 ANSI S35 Ground Glass Template

ANSI S35 Silent 1.33

ARRICAM: K2.54083.0
 Glowmask ST: K2.54119.0
 Glowmask LT: K2.54119.0
 ARRIFLEX 435/535: K2.47433.0
 Glowmask 435/535: K2.47434.0

ANSI S35 TV 1.33 safe

ARRICAM: K2.54105.0
 Glowmask ST: K2.54121.0
 Glowmask LT: K2.54121.0
 ARRIFLEX 435/535: K2.47413.0
 Glowmask 435/535: K2.47425.0

ANSI S35 TV 1.78 trans

ARRICAM: K2.54106.0
 Glowmask ST: K2.54122.0
 Glowmask LT: K2.54122.0
 ARRIFLEX 435/535: K2.47414.0
 Glowmask 435/535: K2.47426.0

ANSI S35 TV 1.78 + 1.33 trans

ARRICAM: K2.54060.0
 Glowmask ST: K2.54054.0
 Glowmask LT: K2.54054.0
 ARRIFLEX 435/535: K2.47410.0
 Glowmask 435/535: K2.47422.0

ANSI S35 TV 1.78 safe

ARRICAM: K2.54107.0
 Glowmask ST: K2.54115.0
 Glowmask LT: K2.54115.0
 ARRIFLEX 435/535: K2.47415.0
 Glowmask 435/535: K2.47427.0

ANSI S35 1.78+1.55+1.33 CGG

ARRICAM: K2.54085.0
 Glowmask ST: K2.54089.0
 Glowmask LT: K2.54089.0
 ARRIFLEX 435/535: K2.47419.0
 Glowmask 435/535: K2.47431.0

ANSI S35 1.85

ARRICAM: K2.54108.0
 Glowmask ST: K2.54114.0
 Glowmask LT: K2.54114.0
 ARRIFLEX 435/535: K2.47409.0
 Glowmask 435/535: K2.47421.0

ANSI S35 2.35+1.85+TV 1.33 trans

ARRICAM: K2.54061.0
 Glowmask ST: K2.54055.0
 Glowmask LT: K2.54094.0
 ARRIFLEX 435/535: K2.47411.0
 Glowmask 435/535: K2.47423.0

ANSI S35 2.35 centric

ARRICAM: K2.54109.0
 Glowmask ST: K2.54092.0
 Glowmask LT: K2.54092.0
 ARRIFLEX 435/535: K2.47416.0
 Glowmask 435/535: K2.47428.0

ANSI S35 2.35+1.85 1/4 offset

ARRICAM: K2.54110.0
 Glowmask ST: K2.54088.0
 Glowmask LT: K2.54096.0
 ARRIFLEX 435/535: K2.47417.0
 Glowmask 435/535: K2.47429.0

ANSI S35 2.35+1.85 centric

ARRICAM: K2.54087.0
 Glowmask ST: K2.54091.0
 Glowmask LT: K2.54091.0
 ARRIFLEX 435/535: K2.47420.0
 Glowmask 435/535: K2.47432.0

ANSI S35 2.35+1.85 common top

ARRICAM: K2.54111.0
 Glowmask ST: K2.54116.0
 Glowmask LT: K2.54095.0
 ARRIFLEX 435/535: K2.47418.0
 Glowmask 435/535: K2.47430.0

ANSI S35 3 P TV 1.78+1.33 trans

ARRICAM: K2.54063.0
 Glowmask ST: K2.54057.0
 Glowmask LT: K2.54057.0
 ARRIFLEX 435/535: K2.47412.0
 Glowmask 435/535: K2.47424.0

Blank

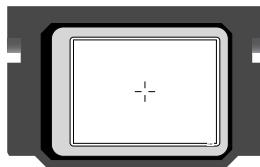
ARRICAM: K2.54142.0
 Glowmask ST: K2.54141.0
 Glowmask LT: K2.54141.0
 ARRIFLEX 435/535: —
 Glowmask 435/535: K2.47169.0

Ground Glass

ARRICAM

N/A

ARRIFLEX 435/535

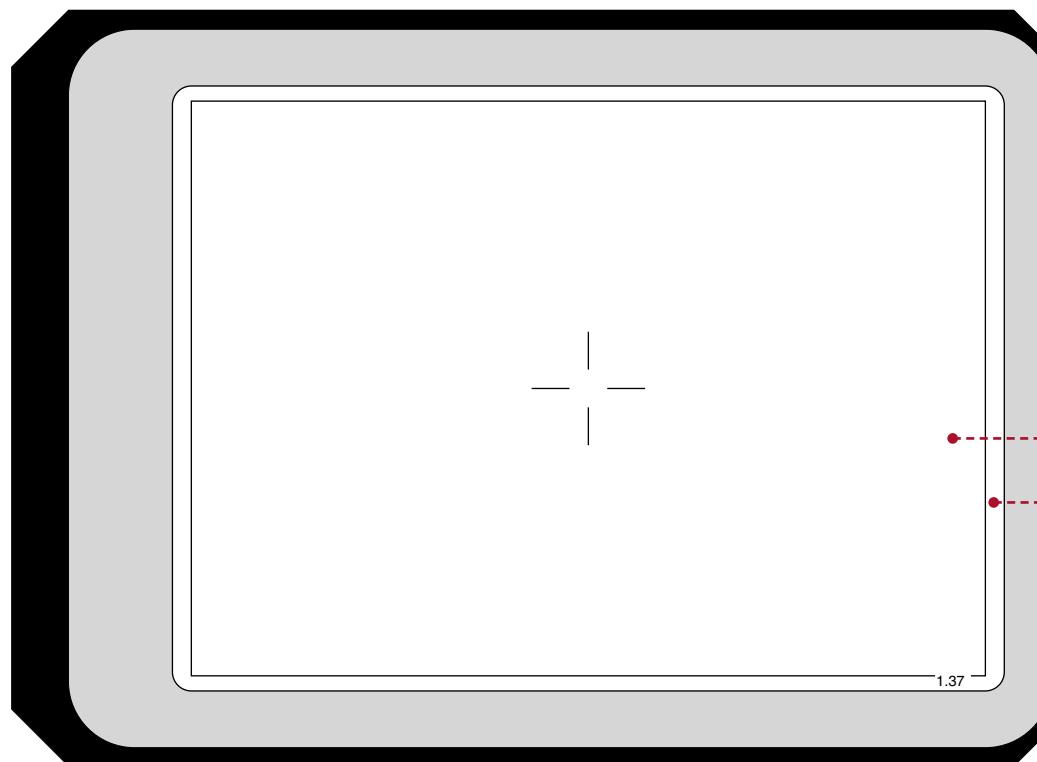
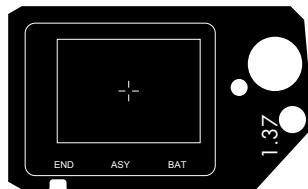


K2.44420.0

Frameglow

N/A

K2.47004.3

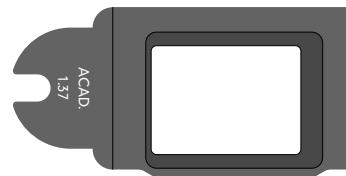


drawing scale 5:1

© ARRI

4-Perforation

Format-Mask



K5.42387.0

exposed negative area:
22 mm x 16 mmNo 3-perforation
operation possible!

Capping Shutter Format Mask for ARRIFLEX 435

No 3-perforation
operation possible!

K2.52057.0

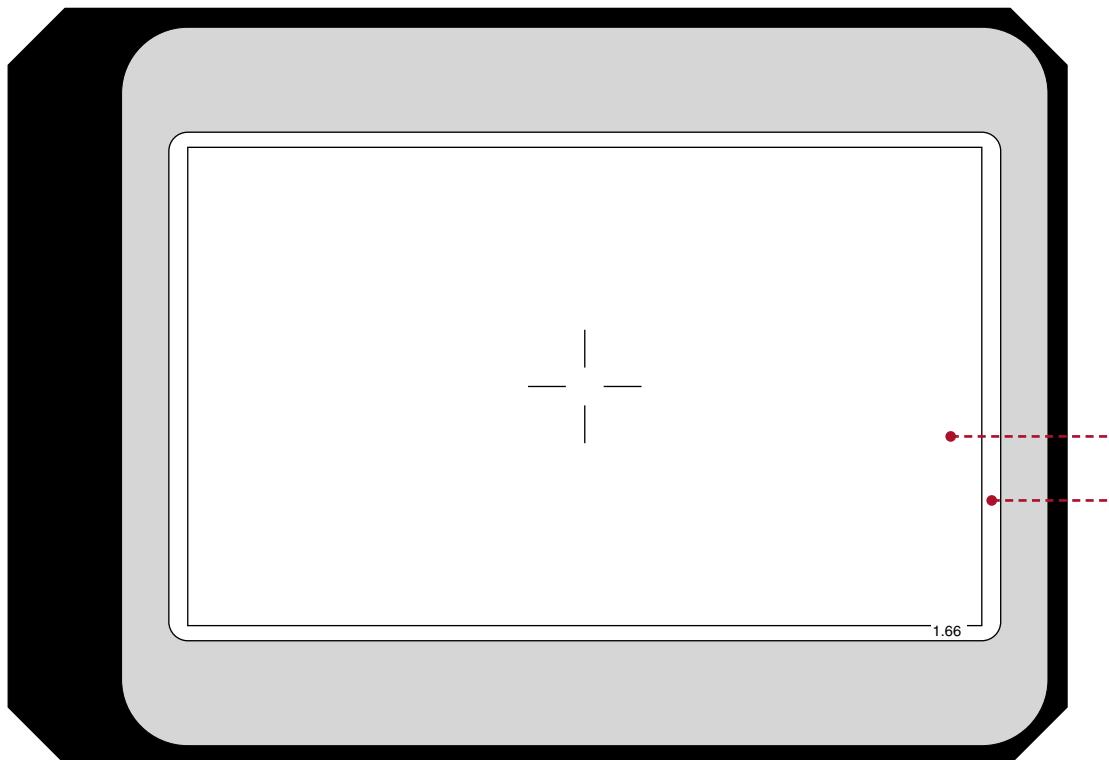
exposed negative area:
22 mm x 16 mm

Ground Glass Marking Dimensions

21 mm x 15.2 mm = N35 projected area 1.37

22 mm x 16 mm = camera aperture
with format mask K5.42387.0tolerance for format markings on ground glass ± 0.02 mm

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54101.0	K2.54118.0		ARRICAM ST and LT Conversion Kit K2.54165.0 exposed negative area: 24.9 mm x 13.9 mm
ARRIFLEX 435/535	K2.44420.A	K2.47012.3		ARRIFLEX 435: dedicated 3-perforation camera ARRIFLEX 535/535B: Conversion Kit K4.47760.0 exposed negative area: 24.25 mm x 14 mm



drawing scale 5:1

© ARRI

Capping Shutter Format Mask for ARRIFLEX 435**K2.52060.0**exposed negative area:
22 mm x 13.2 mm

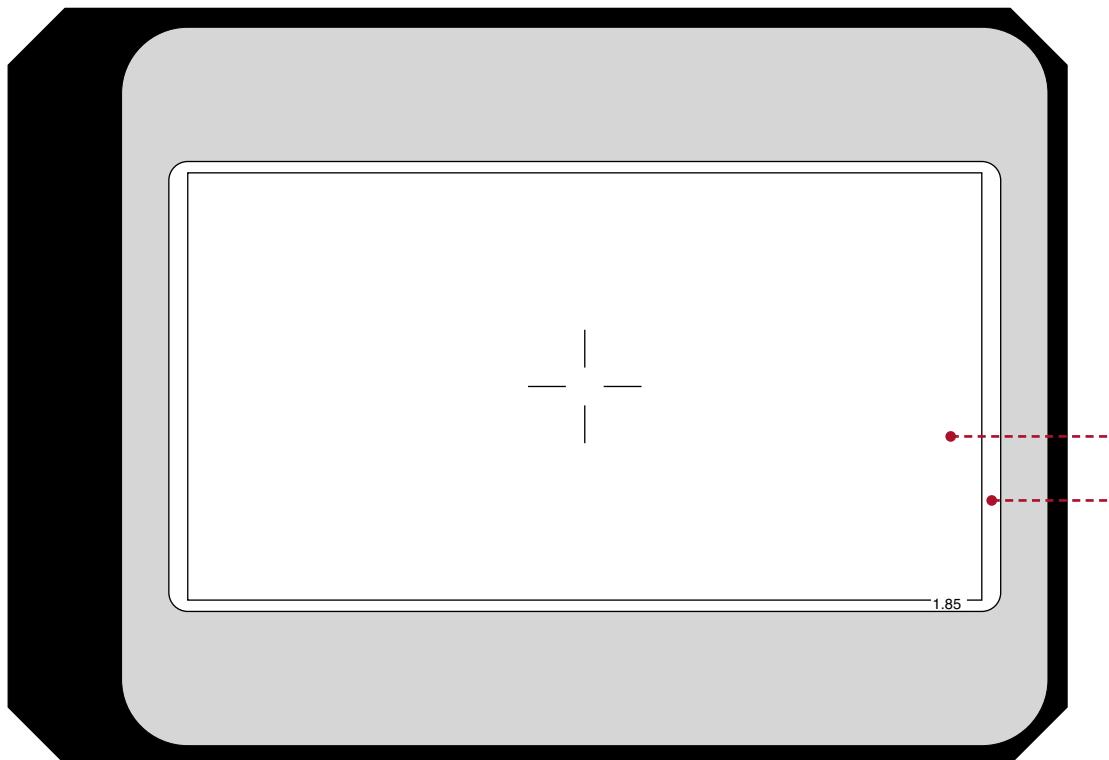
in preparation

Ground Glass Marking Dimensions

21 mm x 12.65 mm = N35 projected area 1.66

22 mm x 13.45 mm = camera aperture
with format mask K5.42390.0
+ unexposed safety viewing spacetolerance for format markings on ground glass ± 0.02 mm

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54103.0	K2.54112.0	Format-Mask	ARRICAM ST and LT: Conversion Kit K2.54165.0 exposed negative area: 24.9 mm x 13.9 mm
ARRIFLEX 435/535	K2.44420.8	K2.47011.3	K5.42391.0 exposed negative area: 22 mm x 11.9 mm	ARRIFLEX 435: dedicated 3-perforation camera ARRIFLEX 535/535B: Conversion Kit K4.47760.0 exposed negative area: 24.25 mm x 14 mm



Capping Shutter Format Mask for ARRIFLEX 435

K2.52061.0

in preparation

exposed negative area:
22 mm x 11.9 mm

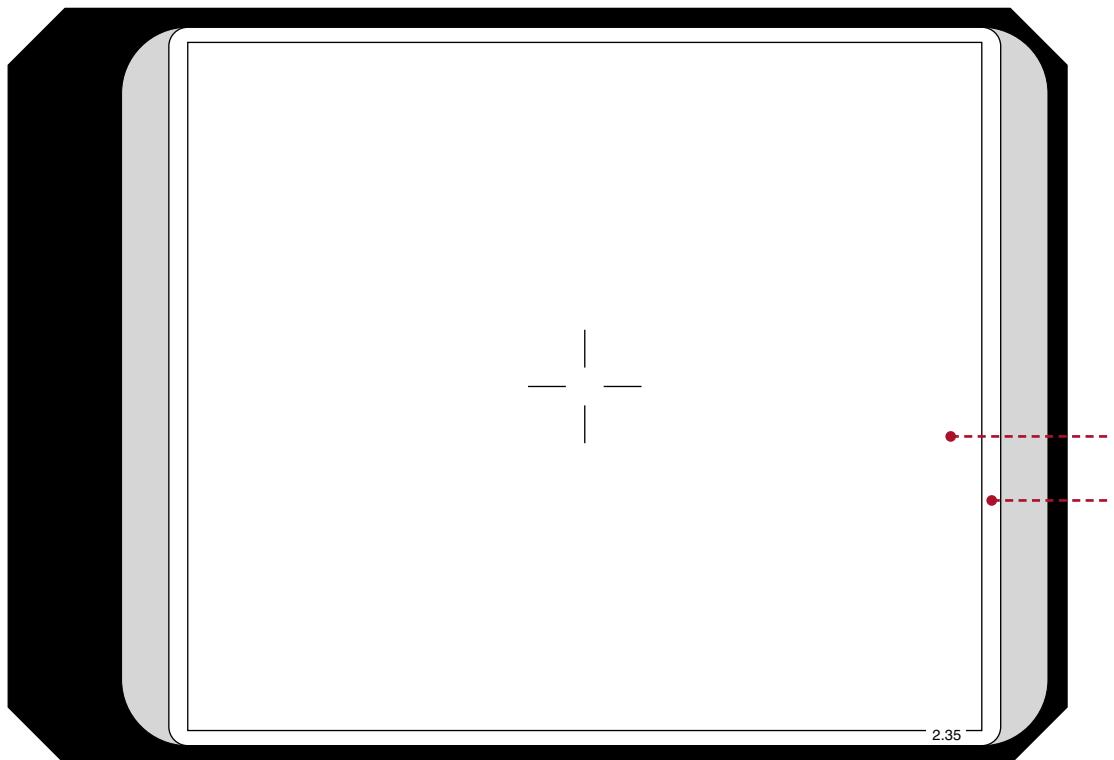
Ground Glass Marking Dimensions

21 mm x 11.3 mm = N35 projected area 1.85

22 mm x 11.9 mm = camera aperture
with format mask K5.42391.0

The diagram illustrates several film frame formats:

- Ground Glass**: A standard frame with a central rectangular area for the image.
- Frameglow**: A frame with a thin black border around the image area.
- 4-Perforation**: A frame with four perforations at the top edge. It includes a **Format-Mask** (labeled K5.42388.0) which has two circular holes at the bottom edge. The exposed negative area is 22 mm x 18.6 mm.
- 3-Perforation**: A frame with three perforations at the top edge. A warning icon (triangle with exclamation mark) indicates that no 3-perforation operation is possible.
- ARRICAM**: A frame with a central rectangular area for the image.
- K2.54084.0**: A frame with a central rectangular area for the image.
- K2.54123.0**: A frame with a central rectangular area for the image, labeled with '2.35 (F2)' and 'SILVER'.
- ARRIFLEX 435/535**: A frame with a central rectangular area for the image.
- K2.44420.C**: A frame with a central rectangular area for the image.
- K2.47006.3**: A frame with a central rectangular area for the image, labeled with 'END', 'ASY', and 'BAT' at the bottom, and '2.35 (F2)' on the right.



drawing scale 5:1

© ARRI

tolerance for format markings on ground glass ± 0.02 mm

Ground Glass Marking Dimensions

21 mm x 18.2 mm = N35 projected area 2.35

22 mm x 19 mm = camera aperture
with format mask K5.42388.0
+ unexposed safety viewing space

N35 TV 1.33 safe (R 3.6 mm)



Ground Glass

Frameglow

4-Perforation

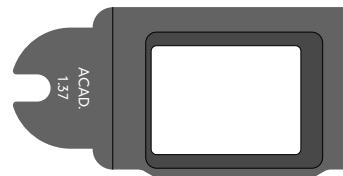
3-Perforation

ARRICAM

N/A

N/A

Format-Mask



K5.42387.0
exposed negative area:
22 mm x 16 mm

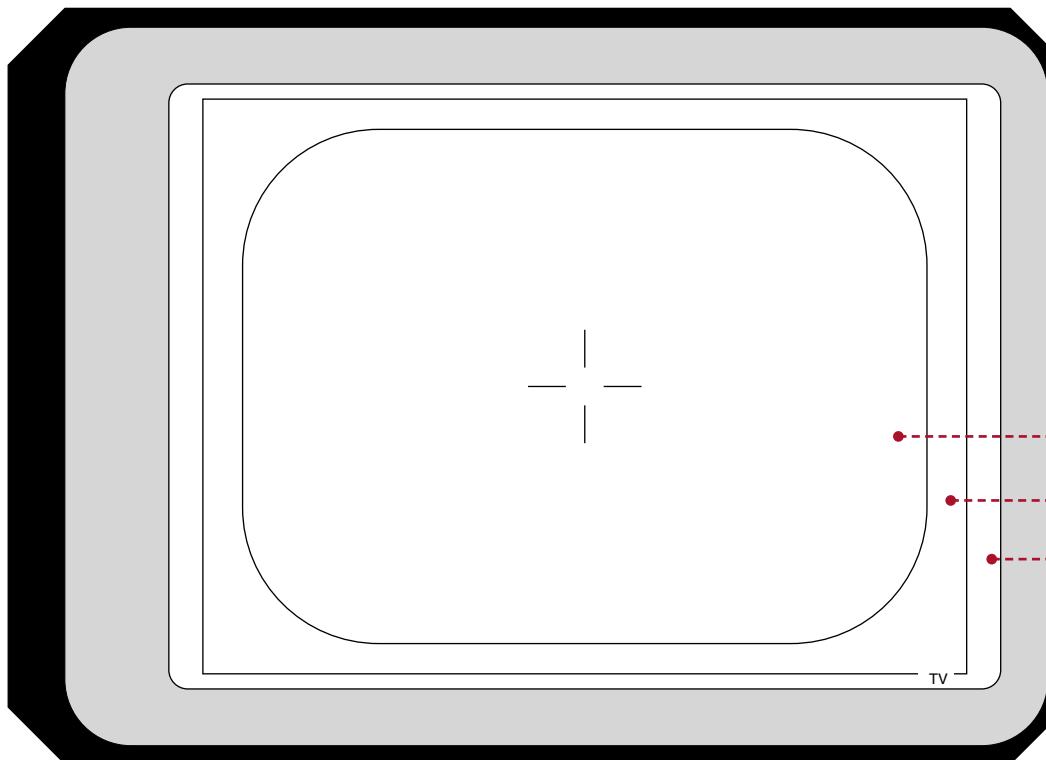
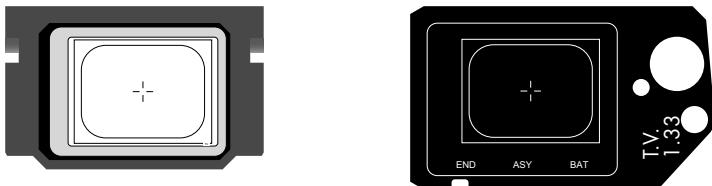


No 3-perforation
operation possible!

ARRIFLEX 435/535

K2.44420.D

K2.47013.S



drawing scale 5:1

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Capping Shutter Format Mask for ARRIFLEX 435

K2.52057.0
exposed negative area:
22 mm x 16 mm



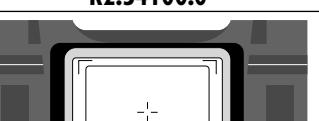
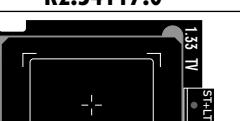
No 3-perforation
operation possible!

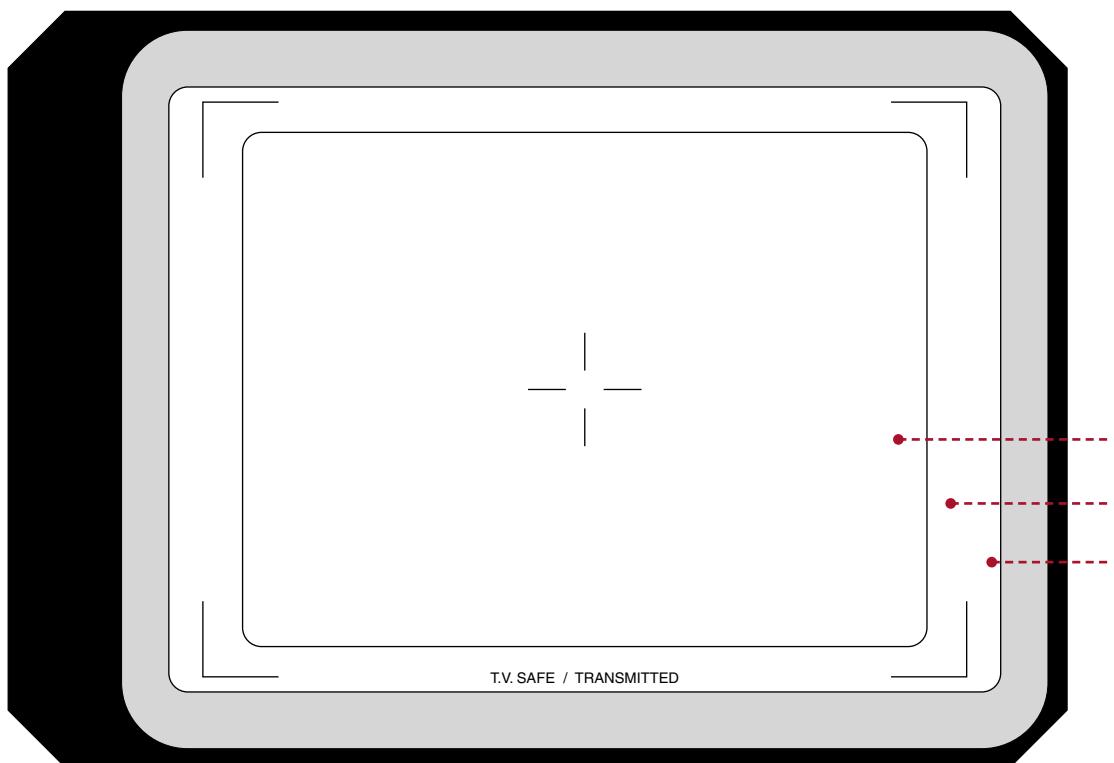
Ground Glass Marking Dimensions

18.1 mm x 13.6 mm	=	N35 TV 1.33 safe action (4:3)
20.2 mm x 15.2 mm	=	N35 TV 1.33 transmitted (4:3)
22 mm x 16 mm	=	camera aperture with format mask K5.42387.0

tolerance for format markings on ground glass ± 0.02 mm

N35 TV 1.33 safe (R 0.5 mm)

	Ground Glass ARRICAM K2.54100.0	Frameglow K2.54117.0	4-Perforation Format-Mask K5.42387.0 exposed negative area: 22 mm x 16 mm	3-Perforation  No 3-perforation operation possible!
ARRIFLEX 435/535	 K2.41200.E	 K2.47010.3		
	 no longer available	 no longer available		



drawing scale 5:1

© ARRI

tolerance for format markings on ground glass ± 0.02 mm

Ground Glass Marking Dimensions

18.1 mm x 13.6 mm	=	N35 TV 1.33 safe action (4:3)
20.2 mm x 15.2 mm	=	N35 TV 1.33 transmitted (4:3)
22 mm x 16 mm	=	camera aperture with format mask K5.42387.0

 No 3-perforation operation possible!

N35 1.85 + 1.37

ARRI ARRI

Ground Glass

Frameglow

4-Perforation

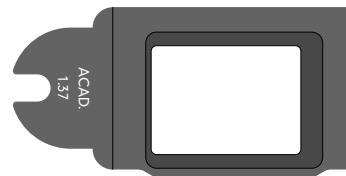
3-Perforation

ARRICAM

N/A

N/A

Format-Mask

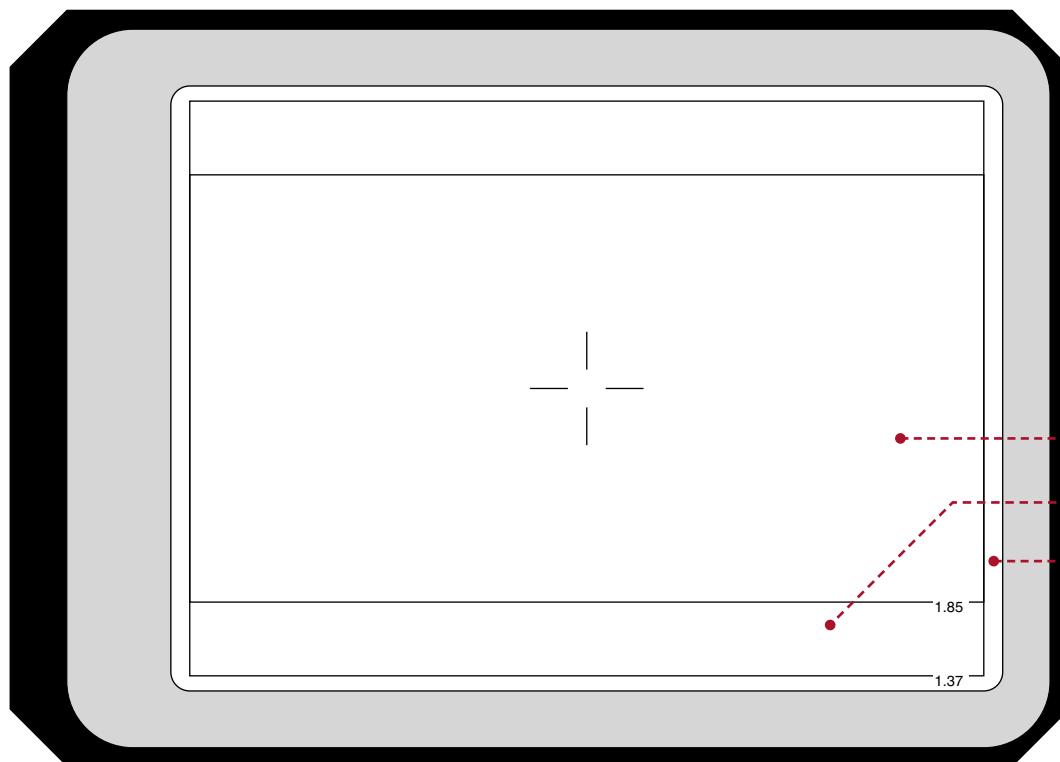
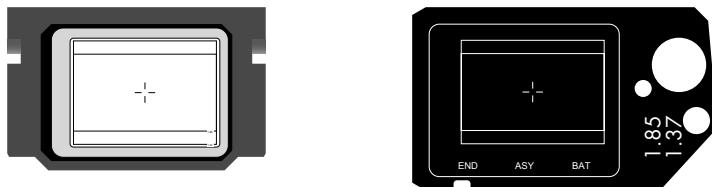


No 3-perforation
operation possible!

ARRIFLEX 435/535

K2.44420.K

K2.46435.3



drawing scale 5:1

© ARRI

16

Capping Shutter Format Mask for ARRIFLEX 435

K2.52057.0

exposed negative area:
22 mm x 16 mm



No 3-perforation
operation possible!

Ground Glass Marking Dimensions

21 mm x 11.3 mm = N35 projected area 1.85

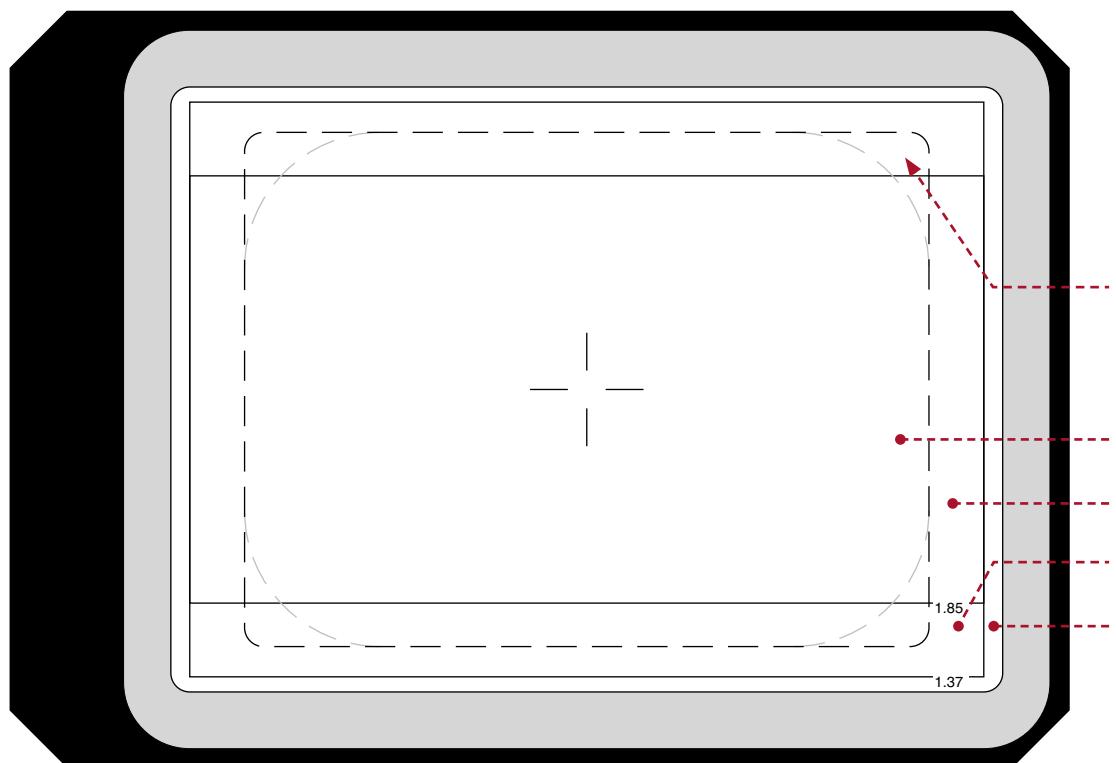
21 mm x 15.2 mm = N35 projected area 1.37

22 mm x 16 mm = camera aperture
with format mask K5.42387.0

tolerance for format markings on ground glass ± 0.02 mm

N35 1.85 + 1.37 + TV 1.33 safe

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54059.0	K2.54053.0		
ARRIFLEX 435/535	K2.44420.L	K2.47055.S		No 3-perforation operation possible!



drawing scale 5:1

© ARRI

Capping Shutter Format Mask for ARRIFLEX 435

K2.52057.0
exposed negative area:
22 mm x 16 mm

No 3-perforation operation possible!

R 3.6 mm for ARRIFLEX 435/535 ground glass and frameglow
R 0.5 mm for ARRICAM ground glass and frameglow.

Ground Glass Marking Dimensions

- | | | |
|-------------------|---|--|
| 18.1 mm x 13.6 mm | = | N35 TV 1.33 safe action (4:3) |
| 21 mm x 11.3 mm | = | N35 projected area 1.85 |
| 21 mm x 15.2 mm | = | N35 projected area 1.37 |
| 22 mm x 16 mm | = | camera aperture
with format mask K5.42387.0 |

tolerance for format markings on ground glass ± 0.02 mm

N35 1.66 + 1.37

ARRI ARRI

Ground Glass

Frameglow

4-Perforation

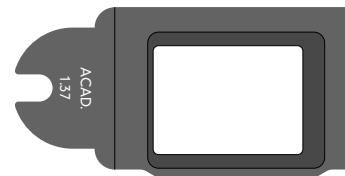
3-Perforation

ARRICAM

N/A

N/A

Format-Mask



No 3-perforation
operation possible!

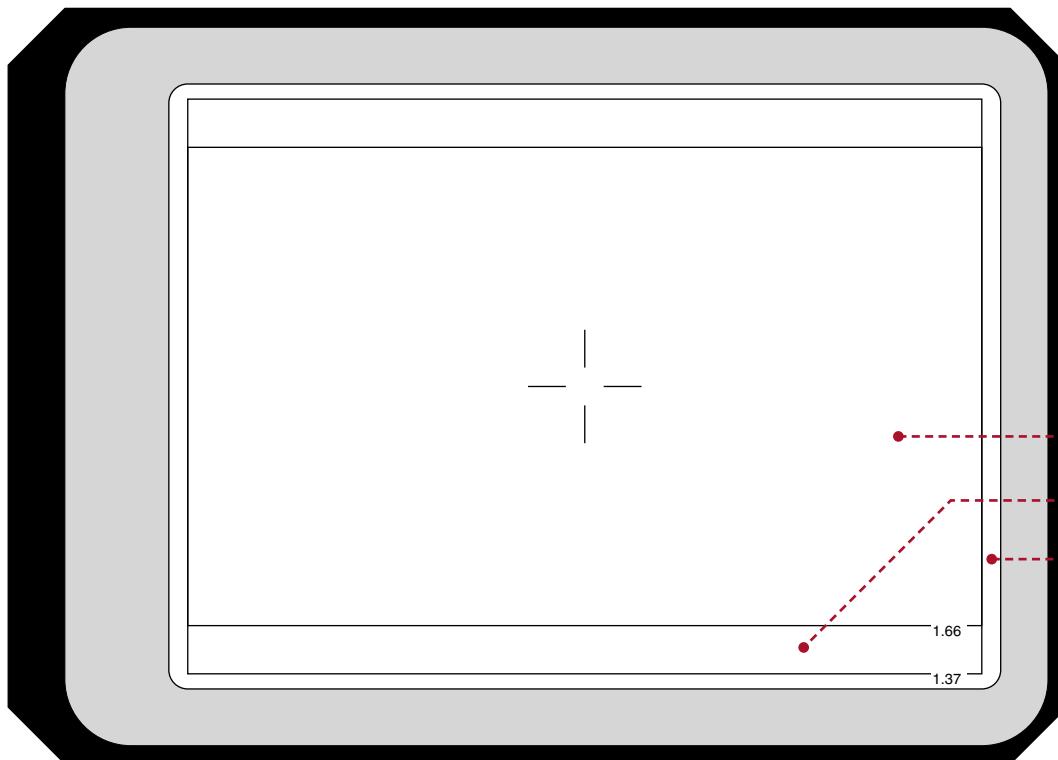
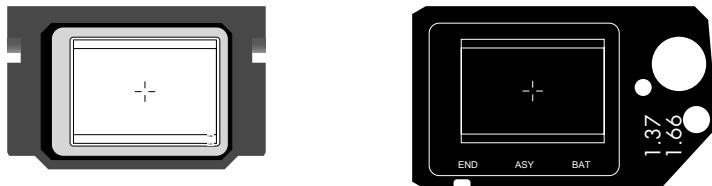
K5.42387.0

exposed negative area:
22 mm x 16 mm

ARRIFLEX 435/535

K2.44420.M

K2.47058.3



drawing scale 5:1

© ARRI

Capping Shutter Format Mask for ARRIFLEX 435



No 3-perforation
operation possible!

K2.52057.0

exposed negative area:
22 mm x 16 mm

Ground Glass Marking Dimensions

21 mm x 12.65 mm = N35 projected area 1.66

21 mm x 15.2 mm = N35 projected area 1.37

22 mm x 16 mm = camera aperture
with format mask K5.42387.0

tolerance for format markings on ground glass ± 0.02 mm

N35 1.66 + 1.37 + TV 1.33 safe

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54058.0	K2.54052.0		
ARRIFLEX 435/535	K2.44420.N	K2.47057.S		
			K5.42387.0 exposed negative area: 22 mm x 16 mm	No 3-perforation operation possible!
			Capping Shutter Format Mask for ARRIFLEX 435	
			K2.52057.0 exposed negative area: 22 mm x 16 mm	No 3-perforation operation possible!
			R 3.6 mm for ARRIFLEX 435/535 ground glass and frameglow R 0.5 mm for ARRICAM ground glass and frameglow.	
			Ground Glass Marking Dimensions	
			18.1 mm x 13.6 mm = N35 TV 1.33 safe action (4:3)	
			21 mm x 12.65 mm = N35 projected area 1.66	
			21 mm x 15.2 mm = N35 projected area 1.37	
			22 mm x 16 mm = camera aperture with format mask K5.42387.0	

drawing scale 5:1

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tolerance for format markings on ground glass ± 0.02 mm

N35 1.66 + TV 1.33 safe

ARRI ARRI

Ground Glass

Frameglow

4-Perforation

3-Perforation

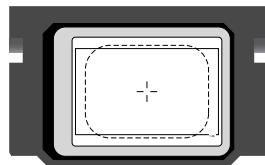
ARRICAM

N/A

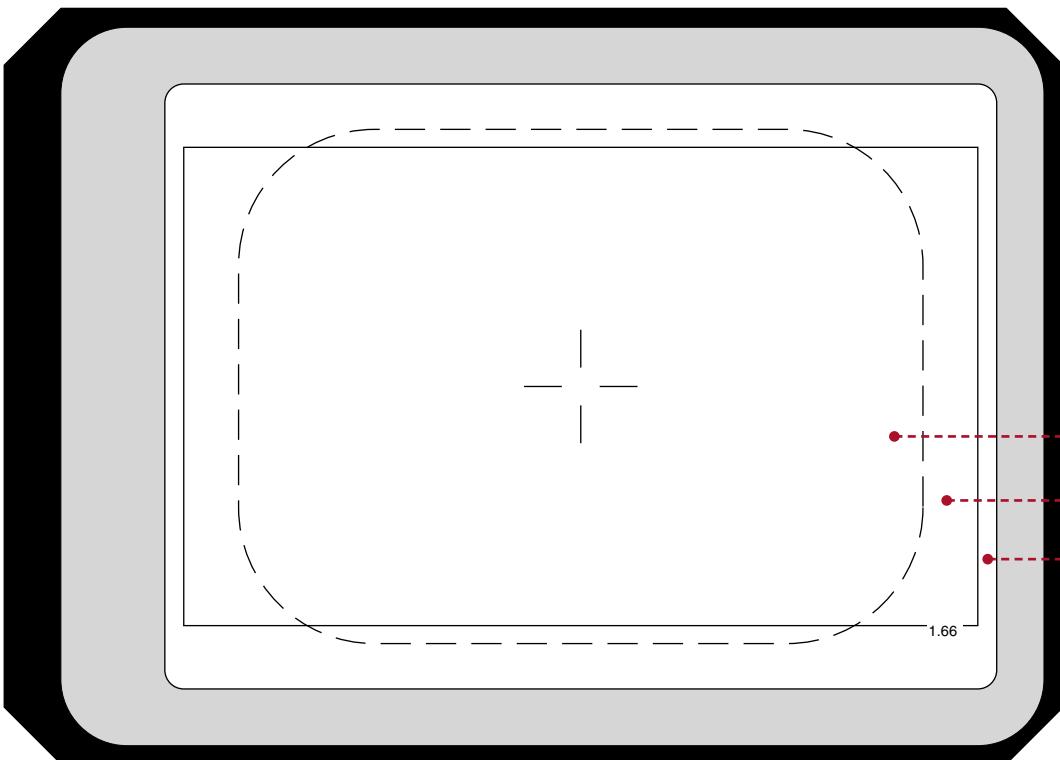
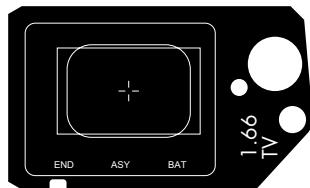
N/A

ARRIFLEX 435/535

K2.44420.P



K2.47016.S

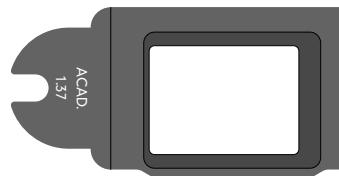


drawing scale 5:1

© ARRI

20

Format-Mask



No 3-perforation
operation possible!

K5.42387.0

exposed negative area:
22 mm x 16 mm

Capping Shutter Format Mask for ARRIFLEX 435

K2.52057.0

exposed negative area:
22 mm x 16 mm

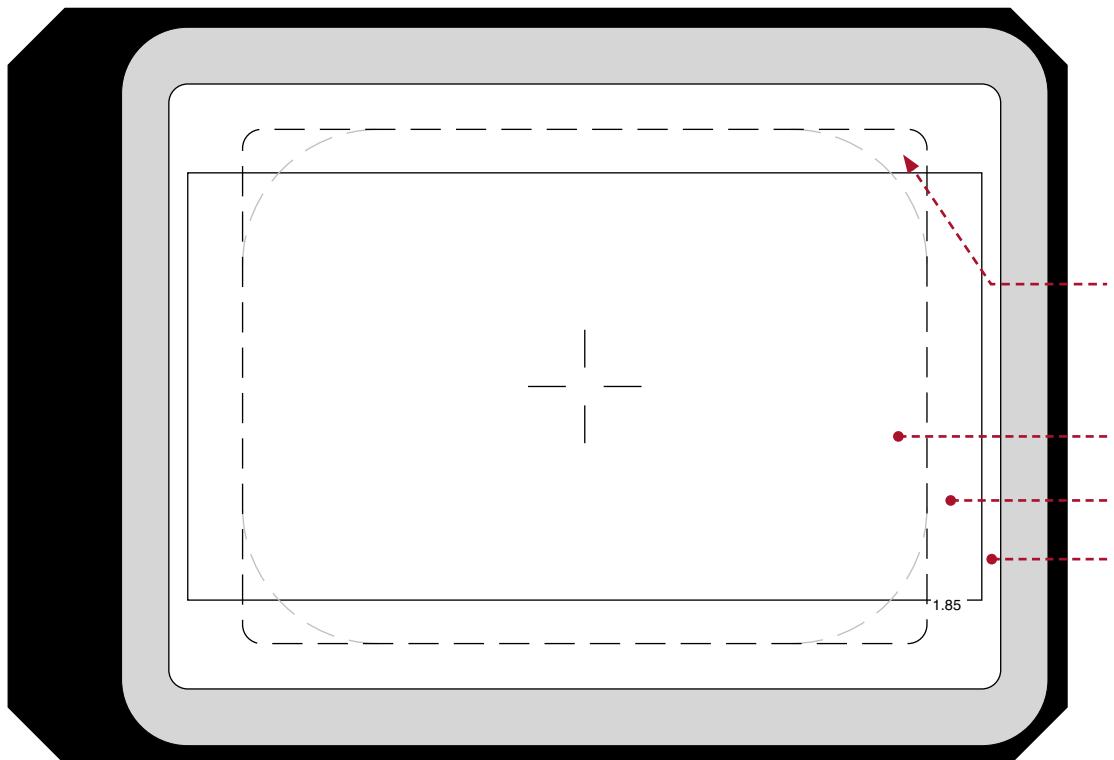
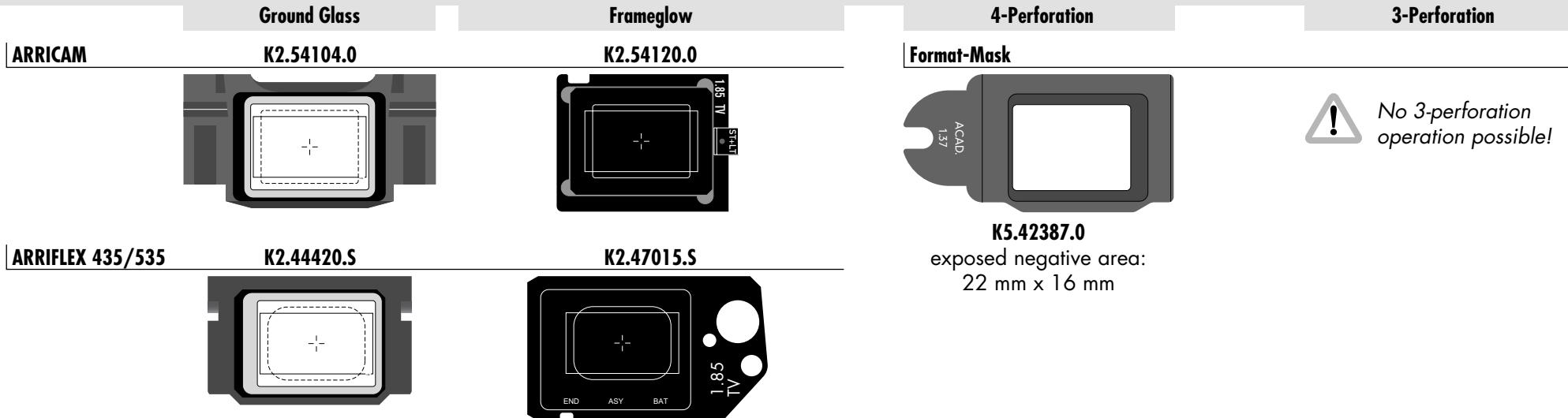


No 3-perforation
operation possible!

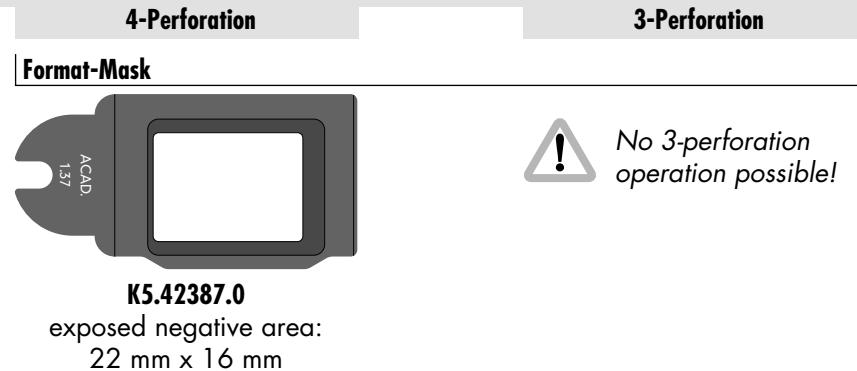
Ground Glass Marking Dimensions

- | | | |
|-------------------|---|--|
| 18.1 mm x 13.6 mm | = | N35 TV 1.33 safe action (4:3) |
| 21 mm x 12.65 mm | = | N35 projected area 1.66 |
| 22 mm x 16 mm | = | camera aperture
with format mask K5.42387.0 |

tolerance for format markings on ground glass ± 0.02 mm



tolerance for format markings on ground glass ± 0.02 mm



Capping Shutter Format Mask for ARRIFLEX 435

K2.52057.0
exposed negative area:
22 mm x 16 mm

No 3-perforation operation possible!

R 3.6 mm for ARRIFLEX 435/535 ground glass and frameglow
R 0.5 mm for ARRICAM ground glass and frameglow.

Ground Glass Marking Dimensions

18.1 mm x 13.6 mm	=	N35 TV 1.33 safe action (4:3)
21 mm x 11.3 mm	=	N35 projected area 1.85
22 mm x 16 mm	=	camera aperture with format mask K5.42387.0

N35 1.85 + 1.66

ARRI ARRI

Ground Glass

Frameglow

4-Perforation

3-Perforation

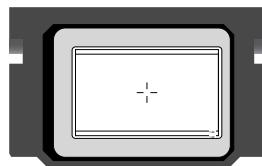
ARRICAM

N/A

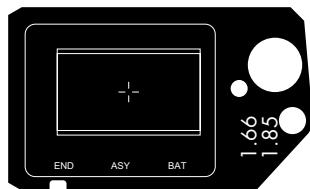
N/A

ARRIFLEX 435/535

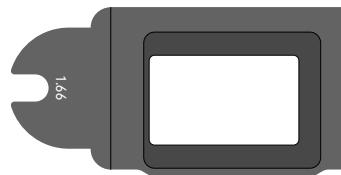
K2.44420.V



K2.47017.3



Format-Mask



K5.42390.0

exposed negative area:
22 mm x 13.2 mm

ARRICAM ST and LT:
not available

ARRIFLEX 435:
dedicated 3-perforation camera

ARRIFLEX 535/535B:

Conversion Kit K4.47760.0

exposed negative area:
24.25 mm x 14 mm

Capping Shutter Format Mask for ARRIFLEX 435

K2.52060.0

exposed negative area:
22 mm x 13.2 mm

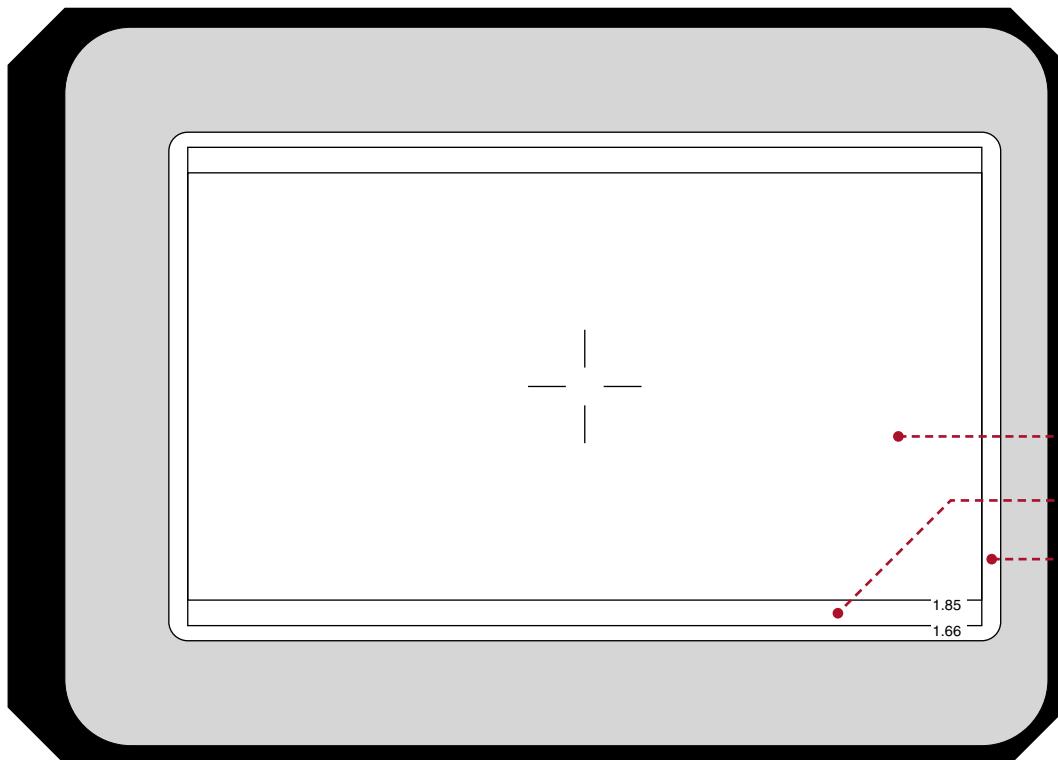
in preparation

Ground Glass Marking Dimensions

21 mm x 11.3 mm = N35 projected area 1.85

21 mm x 12.65 mm = N35 projected area 1.66

22 mm x 13.45 mm = camera aperture
with format mask K5.42390.0
+ unexposed safety viewing space

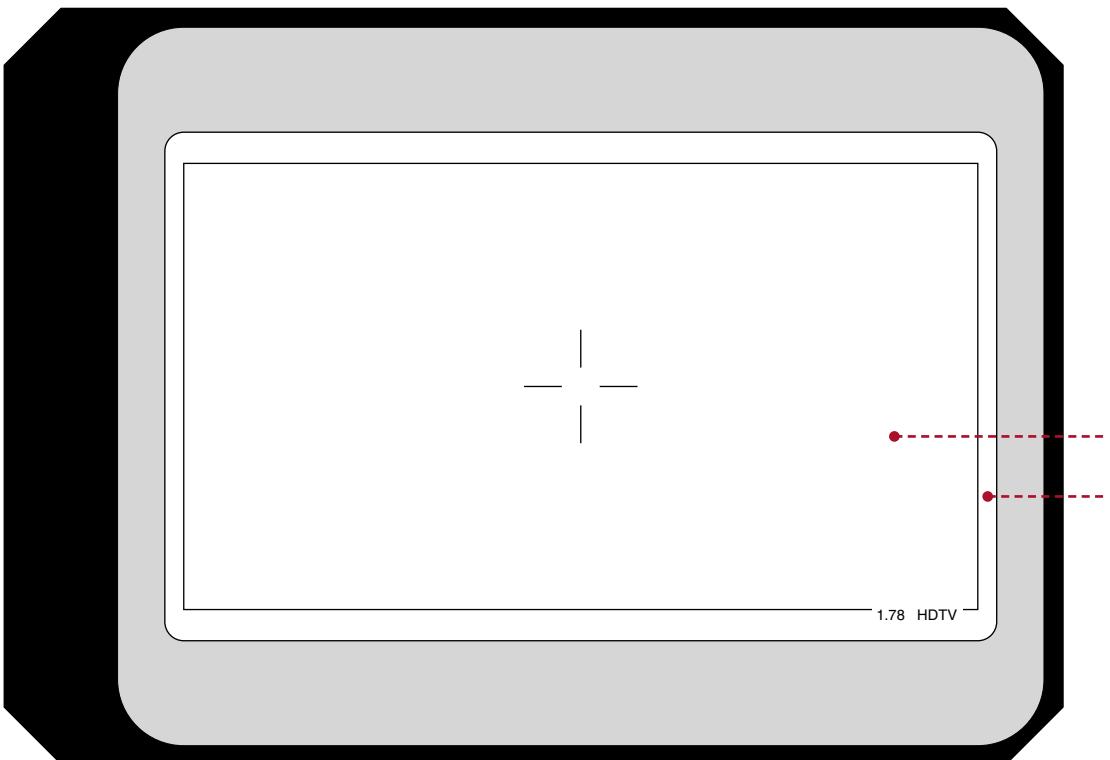


drawing scale 5:1

© ARRI

tolerance for format markings on ground glass ± 0.02 mm

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54102.0	K2.54113.0		
ARRIFLEX 435/535	K2.44420.X	K2.47007.3		



tolerance for format markings on ground glass ± 0.02 mm

Capping Shutter Format Mask for ARRIFLEX 435

K2.52060.0
exposed negative area:
22 mm x 13.2 mm

in preparation

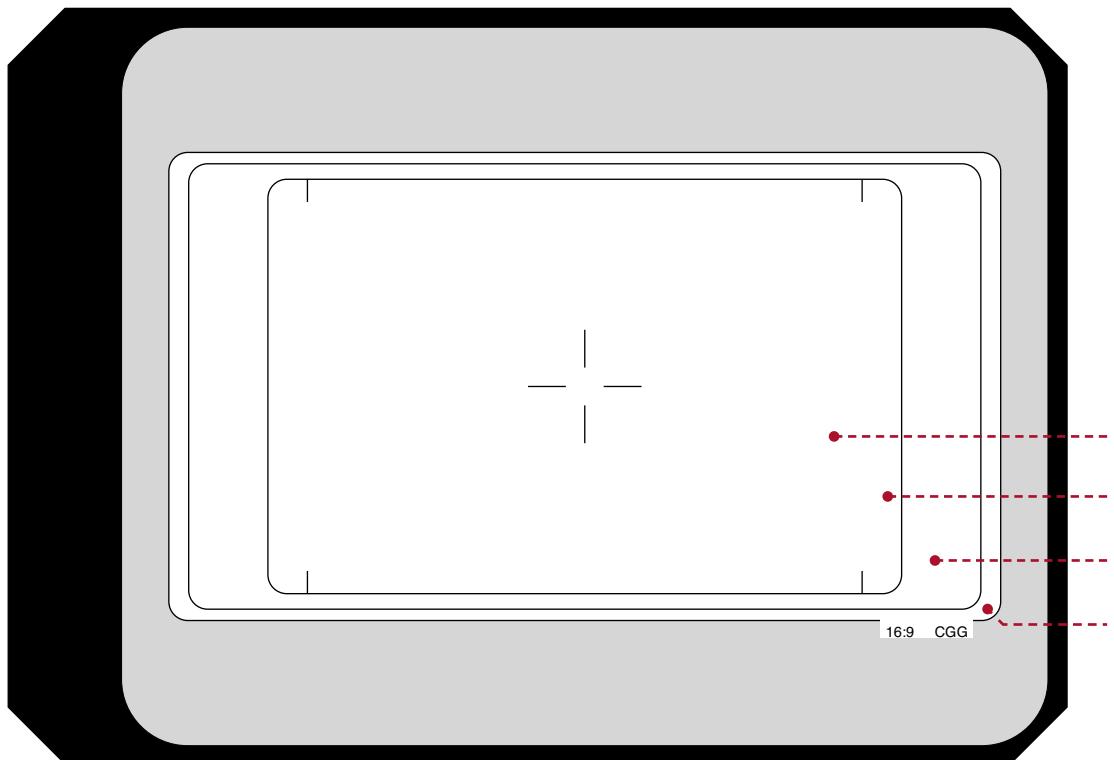
Ground Glass Marking Dimensions

- | | | |
|------------------|---|--|
| 21 mm x 11.8 mm | = | N35 TV 1.78 transmitted (16:9) |
| 22 mm x 13.45 mm | = | camera aperture
with format mask K5.42390.0
+ unexposed safety viewing space |

N35 1.78 + 1.55 + 1.33 CGG

ARRI ARRI

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54086.0	K2.54090.0		
ARRIFLEX 435/535	N/A	N/A		<p>ARRICAM ST and LT: Conversion Kit K2.54165.0 exposed negative area: 24.9 mm x 13.9 mm</p> <p>ARRIFLEX 435: not available</p> <p>ARRIFLEX 535/535B: not available</p>



drawing scale 5:1

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Capping Shutter Format Mask for ARRIFLEX 435

not available

not available

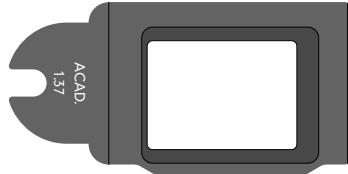
Ground Glass Marking Dimensions

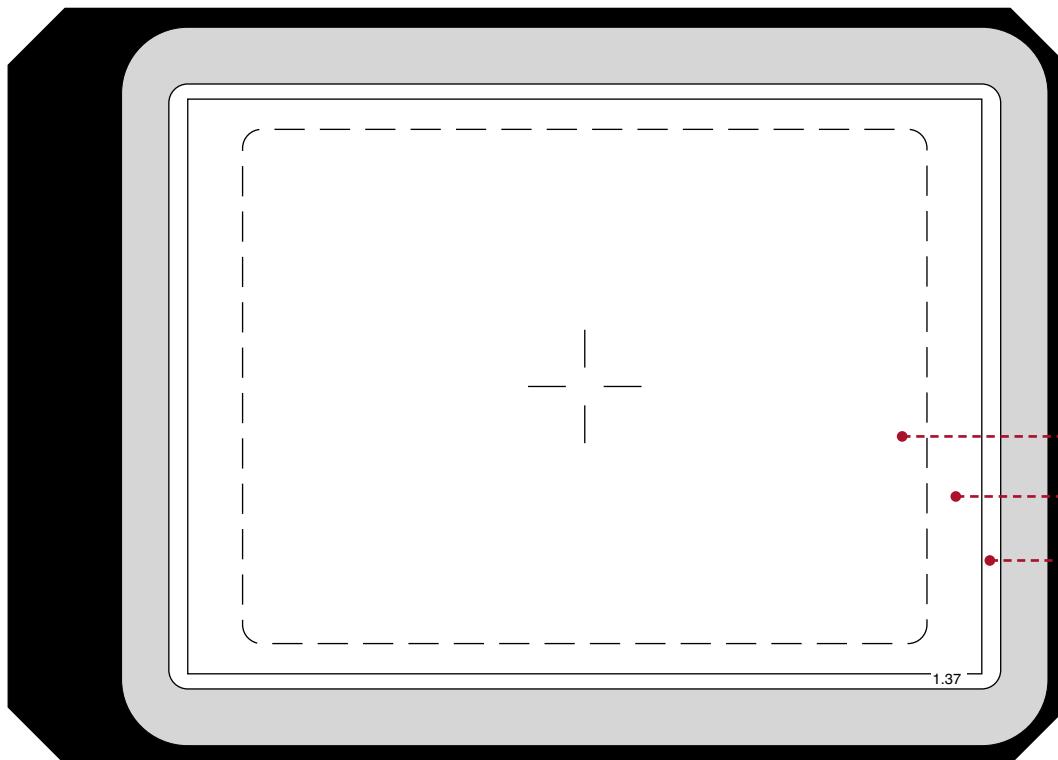
- | | | |
|---------------------|---|------------------------|
| 14.67 mm x 10.96 mm | = | N35 1.33 |
| 16.76 mm x 10.96 mm | = | N35 1.55 |
| 20.95 mm x 11.78 mm | = | N35 1.78 |
| 22 mm x 12.38 mm | = | extended viewing space |

tolerance for format markings on ground glass ± 0.02 mm

N35 1.37 + TV 1.33 safe

ARRI ARRI

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54000.0	K2.54051.0		
ARRIFLEX 435/535	N/A	N/A	 K5.42387.0 exposed negative area: 22 mm x 16 mm	 No 3-perforation operation possible!



drawing scale 5:1

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Capping Shutter Format Mask for ARRIFLEX 435

not available



No 3-perforation operation possible!

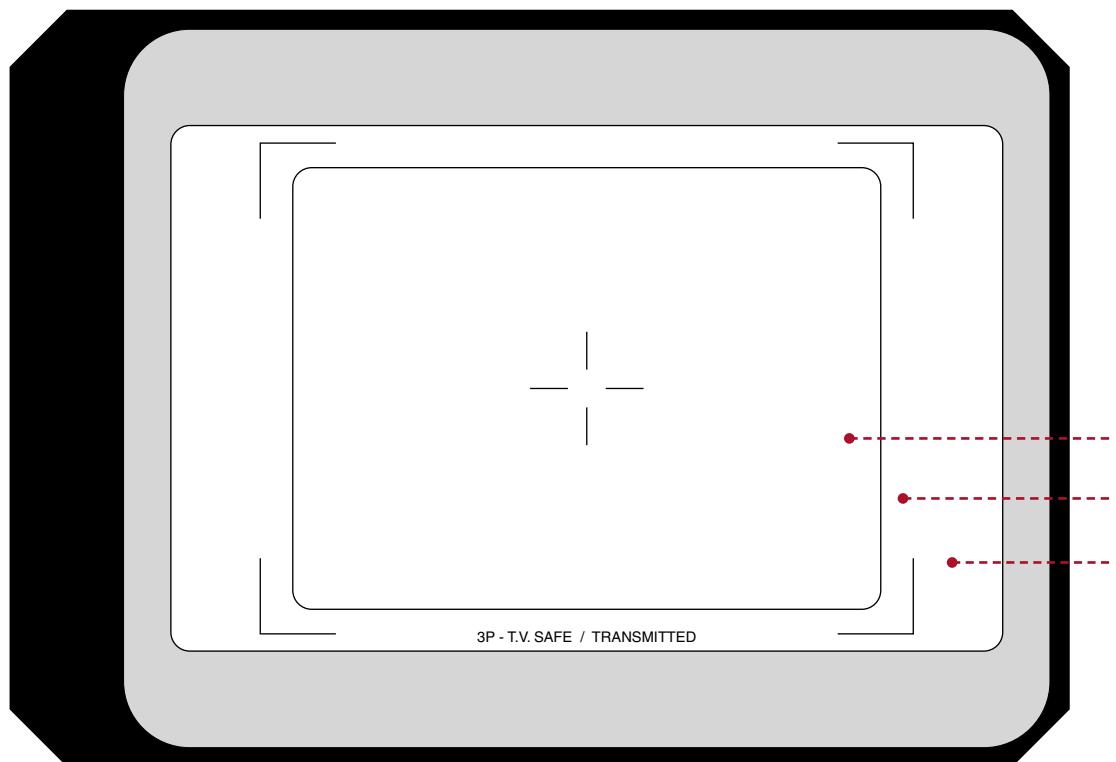
Ground Glass Marking Dimensions

- | | | |
|-------------------|---|---|
| 18.1 mm x 13.6 mm | = | N35 TV 1.33 safe action (4:3) |
| 21 mm x 15.2 mm | = | N35 projected area 1.37 |
| 22 mm x 16 mm | = | camera aperture with format mask K5.42387.0 |

tolerance for format markings on ground glass ± 0.02 mm

N35 3P TV 1.33 safe/trans

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54062.0	K2.54056.0		
ARRIFLEX 435/535			Format-Mask ! No 4-perforation operation possible!	ARRICAM ST and LT Conversion Kit K2.54165.0 exposed negative area: 24.9 mm x 13.9 mm ARRIFLEX 435: not available ARRIFLEX 535/535B: not available
	N/A	N/A		



drawing scale 5:1

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Capping Shutter Format Mask for ARRIFLEX 435

! No 4-perforation operation possible!
not available

Ground Glass Marking Dimensions

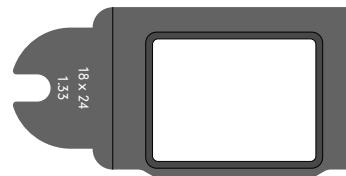
- | | | |
|---------------------|---|---|
| 15.55 mm x 11.68 mm | = | N35 3 perforation TV 1.33 safe action (4:3) |
| 17.27 mm x 12.98 mm | = | N35 3 perforation TV 1.33 transmitted (4:3) |
| 22 mm x 13.9 mm | = | extended viewing space |

tolerance for format markings on ground glass ±0.02 mm

Ground Glass**Frameglow****4-Perforation****3-Perforation****ARRICAM**

N/A

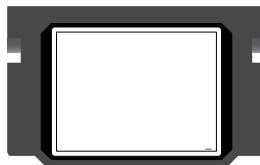
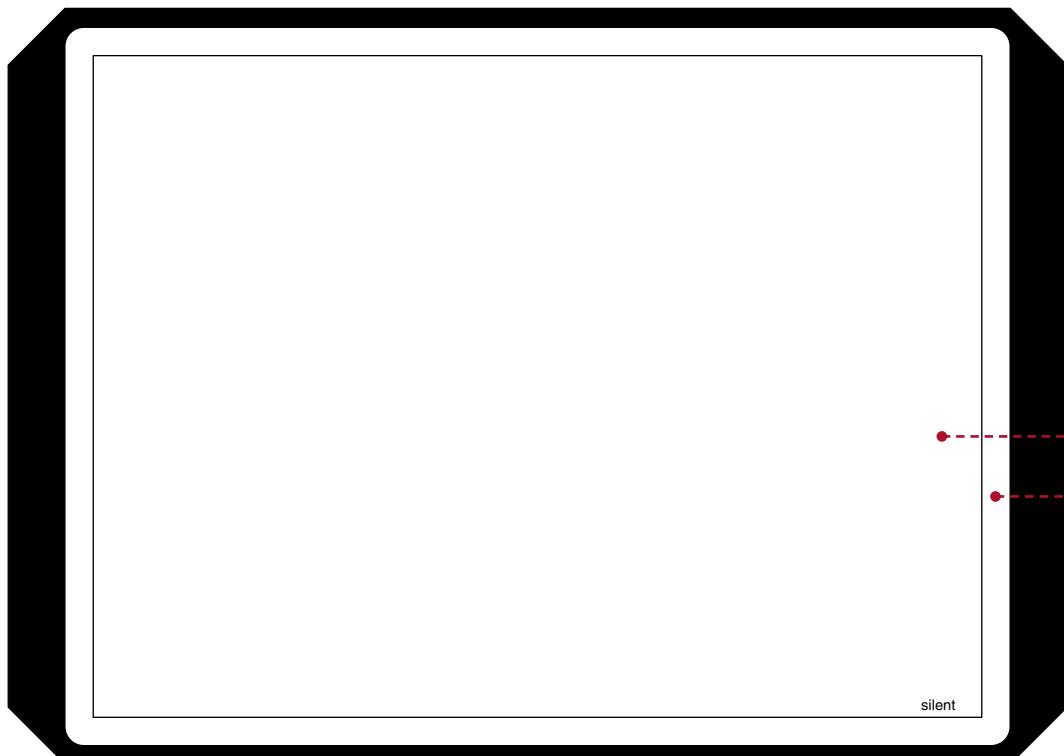
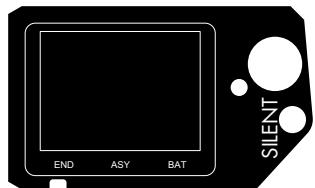
N/A

Format-Mask

No 3-perforation
operation possible!

K5.42392.0

exposed negative area:
24 mm x 18 mm

ARRIFLEX 435/535**K2.44420.E****K2.47005.3**

drawing scale 5:1

© ARRI

Capping Shutter Format Mask for ARRIFLEX 435

No 3-perforation
operation possible!

K2.52062.0

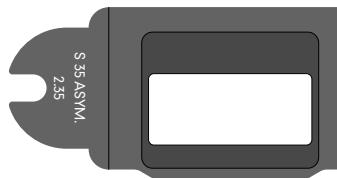
exposed negative area:
24 mm x 18 mm

Ground Glass Marking Dimensions

23.5 mm x 17.63 mm = DIN S35 projected area 1.33

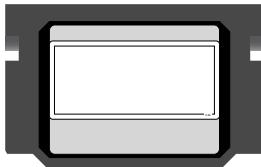
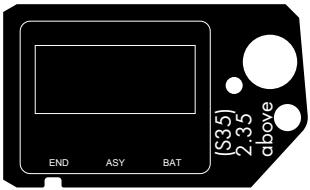
25 mm x 19 mm = camera aperture
with format mask K5.42392.0
+ unexposed safety viewing space

tolerance for format markings on ground glass ± 0.02 mm

DIN S35 2.35 off center
ARRICAM
Ground Glass
N/A
Frameglow
N/A
4-Perforation
Format-Mask

K5.41477.0

exposed negative area:
24 mm x 10.5 mm

3-Perforation
ARRICAM ST and LT:
not available
ARRIFLEX 435:
dedicated 3-perforation camera
ARRIFLEX 535/535B:
Conversion Kit K4.47760.0
exposed negative area:
24.25 mm x 14 mm

ARRIFLEX 435/535
K2.44420.F

K2.47018.3

Capping Shutter Format Mask for ARRIFLEX 435
K2.52068.0

exposed negative area:
24 mm x 10.5 mm

in preparation
Ground Glass Marking Dimensions

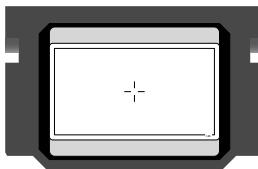
23.5 mm x 10 mm = DIN S35 projected area 2.35

25 mm x 11.5 mm = camera aperture
with format mask K5.41477.0
+ unexposed safety viewing space

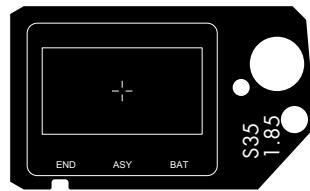
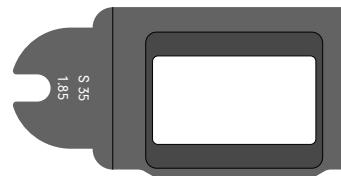
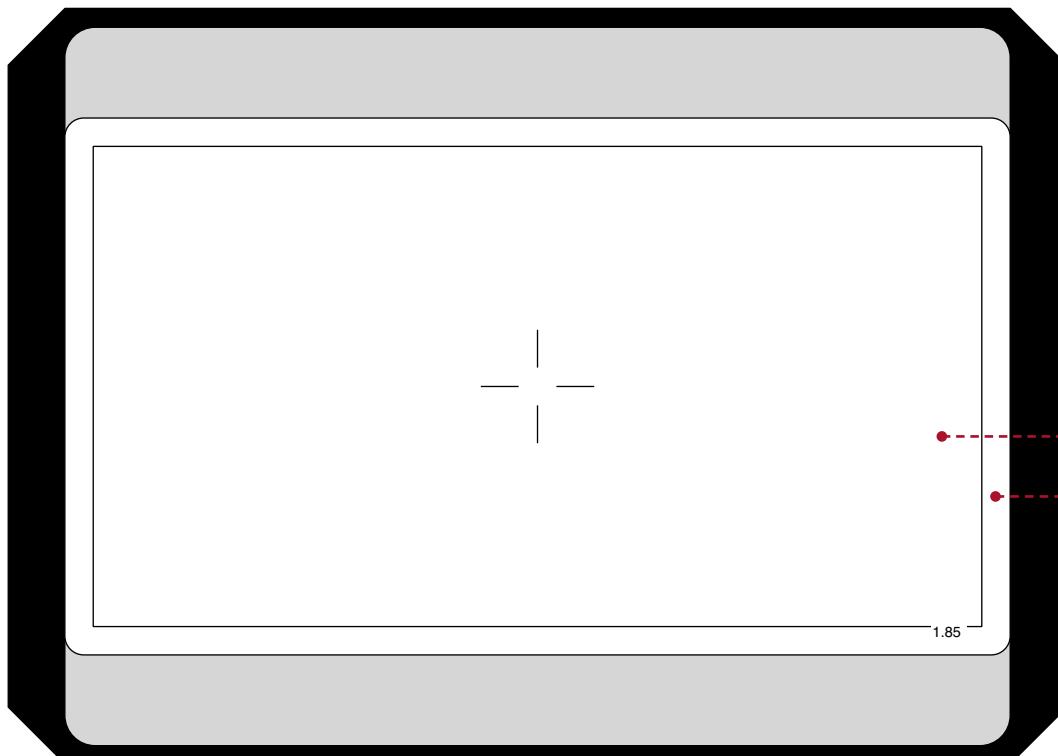
shifted 1.35 mm up against center line

Ground Glass**ARRICAM**

N/A

ARRIFLEX 435/535**K2.44420.G****Frameglow**

N/A

K2.47009.3**4-Perforation****Format-Mask****K5.44305.0**exposed negative area:
24 mm x 13 mm**3-Perforation****ARRICAM ST and LT:**
not available**ARRIFLEX 435:**
dedicated 3-perforation camera**ARRIFLEX 535/535B:****Conversion Kit K4.47760.0**exposed negative area:
24.25 mm x 14 mm**Capping Shutter Format Mask for ARRIFLEX 435****K2.52064.0**exposed negative area:
24 mm x 13 mm**in preparation****Ground Glass Marking Dimensions**

23.5 mm x 12.7 mm = DIN S35 projected area 1.85

25 mm x 14.2 mm = camera aperture
with format mask K5.44305.0
+ unexposed safety viewing space

DIN S35 2.35 + 1.85 common top



Ground Glass

Frameglow

4-Perforation

3-Perforation

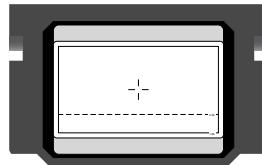
ARRICAM

N/A

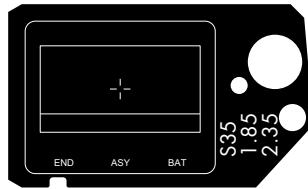
N/A

ARRIFLEX 435/535

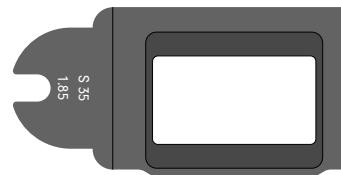
K2.44420.H



K2.47172.3



Format-Mask



K5.44305.0

exposed negative area:
24 mm x 13 mm

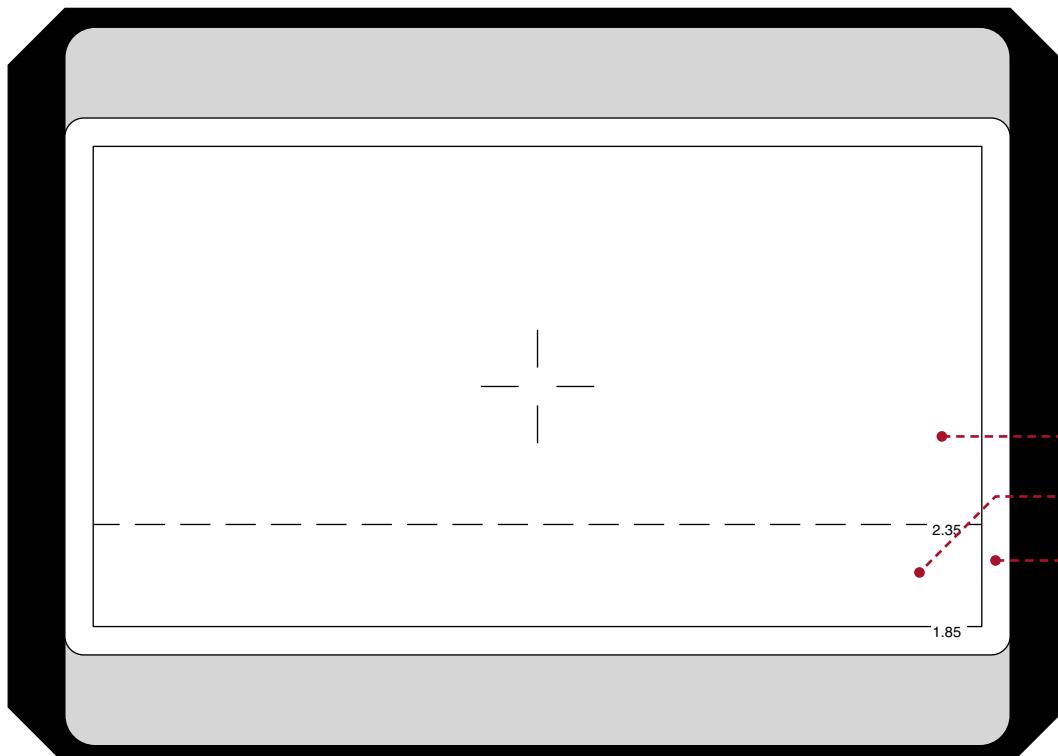
ARRICAM ST and LT:
not available

ARRIFLEX 435:
dedicated 3-perforation camera

ARRIFLEX 535/535B:

Conversion Kit K4.47760.0

exposed negative area:
24.25 mm x 14 mm



drawing scale 5:1

© ARRI

Capping Shutter Format Mask for ARRIFLEX 435

K2.52064.0

exposed negative area:
24 mm x 13 mm

in preparation

Ground Glass Marking Dimensions

23.5 mm x 10 mm = DIN S35 projected area 2.35

23.5 mm x 12.7 mm = DIN S35 projected area 1.85

25 mm x 14,2 mm = camera aperture
with format mask K5.44305.0
+ unexposed safety viewing space

tolerance for format markings on ground glass ± 0.02 mm

Ground Glass

ARRICAM

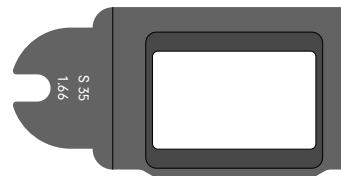
N/A

Frameglow

N/A

4-Perforation

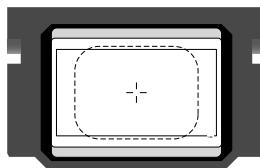
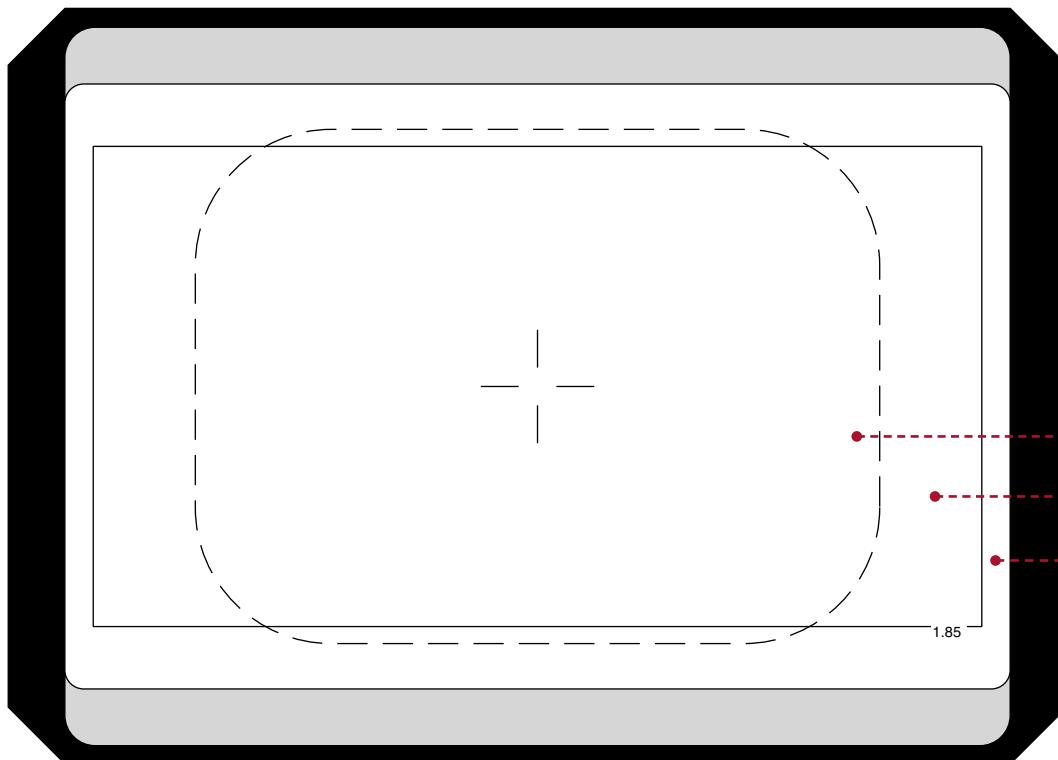
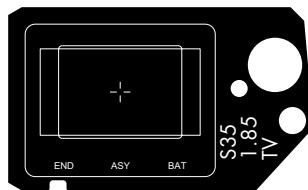
Format-Mask

**K5.41476.0**exposed negative area:
24 mm x 14.4 mm

3-Perforation

No 3-perforation
operation possible!

ARRIFLEX 435/535

K2.44420.I**K2.47059.3**

drawing scale 5:1

© ARRI

Capping Shutter Format Mask for ARRIFLEX 435

K2.52067.0exposed negative area:
24 mm x 14.4 mmNo 3-perforation
operation possible!

Ground Glass Marking Dimensions

- | | | |
|-------------------|---|--|
| 18.1 mm x 13.6 mm | = | N35 TV 1.33 safe action (4:3) |
| 23.5 mm x 12.7 mm | = | DIN S35 projected area 1.85 |
| 25 mm x 16 mm | = | camera aperture
with format mask K5.41476.0
+ unexposed safety viewing space |

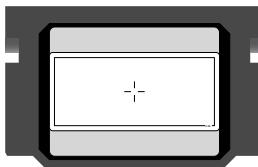
tolerance for format markings on ground glass ± 0.02 mm

Ground Glass

ARRICAM

N/A

ARRIFLEX 435/535

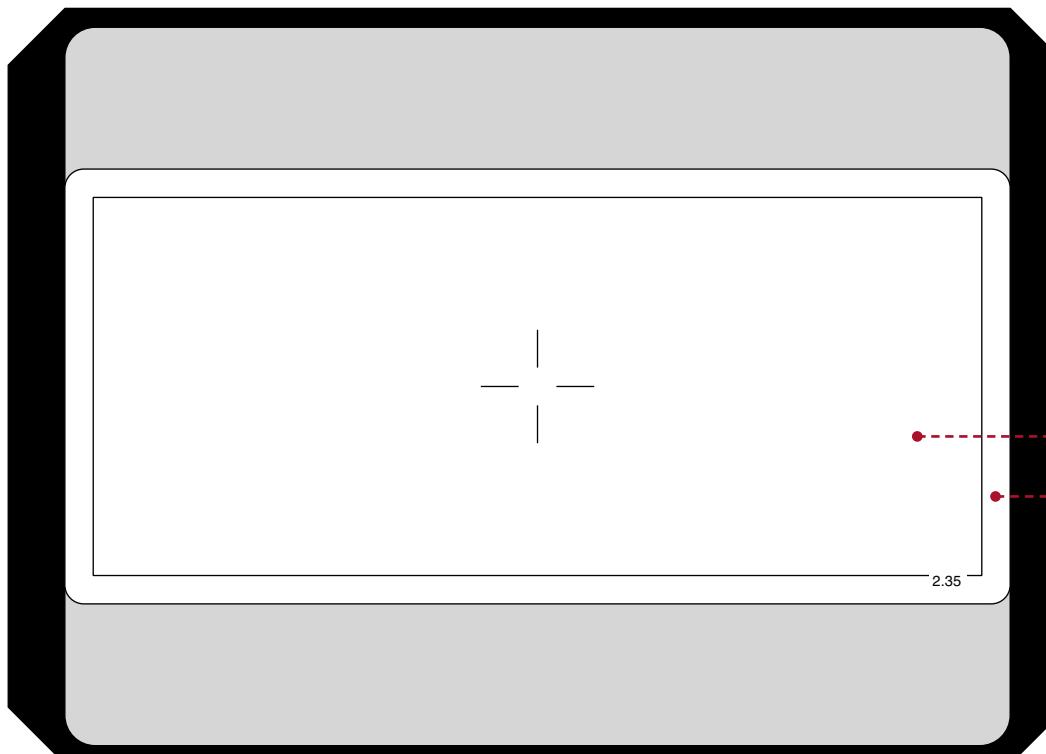
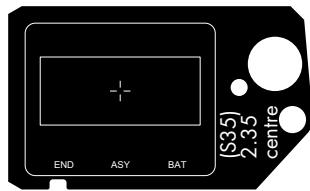


K2.44420.W

Frameglow

N/A

K2.47035.3

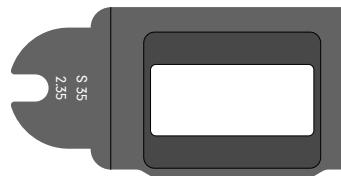


drawing scale 5:1

© ARRI

4-Perforation

Format-Mask



K5.42393.0

exposed negative area:
24 mm x 10.5 mmARRICAM ST and LT:
not availableARRIFLEX 435:
dedicated 3-perforation camera

ARRIFLEX 535/535B:

Conversion Kit K4.47760.0

exposed negative area:
24.25 mm x 14 mm

Capping Shutter Format Mask for ARRIFLEX 435

K2.52063.0

exposed negative area:
24 mm x 10.5 mm

in preparation

Ground Glass Marking Dimensions

23.5 mm x 10 mm = DIN S35 projected area 2.35

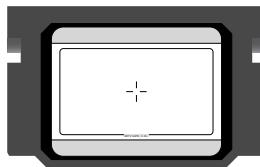
25 mm x 11.5 mm = camera aperture
with format mask K5.42393.0
+ unexposed safety viewing spacetolerance for format markings on ground glass ± 0.02 mm

Ground Glass

ARRICAM

N/A

ARRIFLEX 435/535

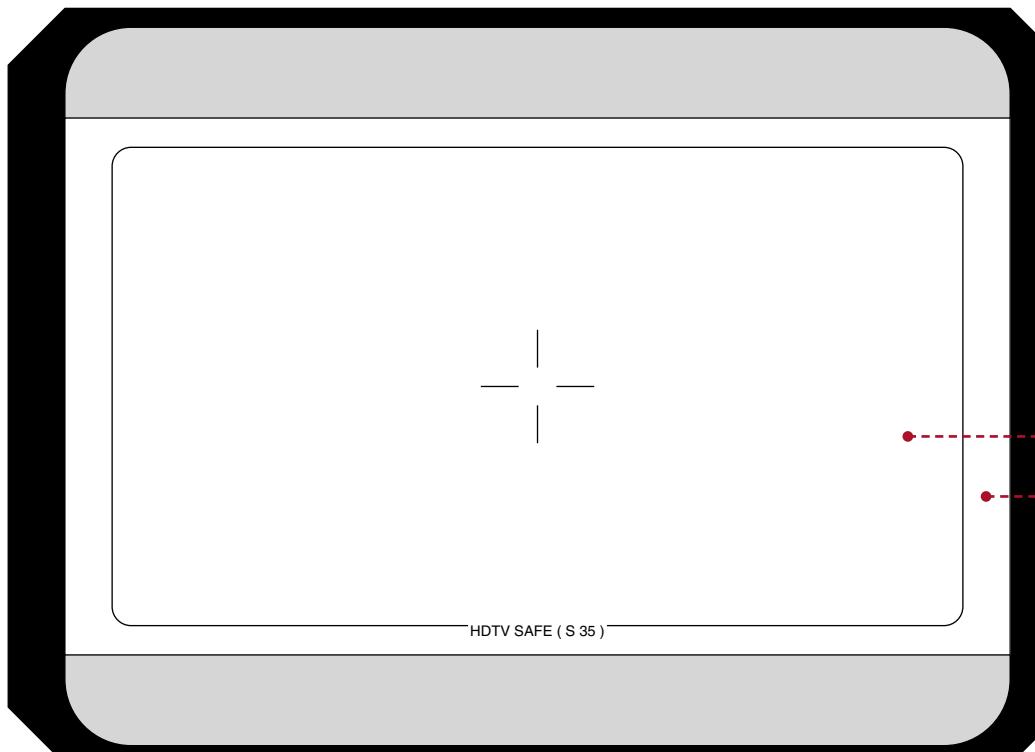
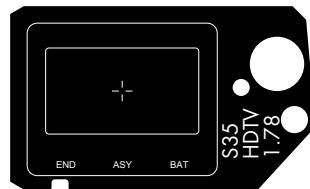


K2.44420.2

Frameglow

N/A

K2.47008.3

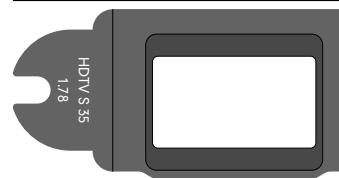


drawing scale 5:1

© ARRI

4-Perforation

Format-Mask



K5.41474.0

exposed negative area:
24 mm x 13.5 mm

3-Perforation

ARRICAM ST and LT
not available

ARRIFLEX 435:
dedicated 3-perforation camera
ARRIFLEX 535/535B:
Conversion Kit K4.47760.0
exposed negative area:
24.25 mm x 14 mm

Capping Shutter Format Mask for ARRIFLEX 435

K2.52065.0

exposed negative area:
24 mm x 13.5 mm

in preparation

Ground Glass Marking Dimensions

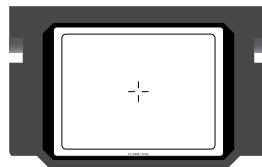
22.5 mm x 12.65 mm = DIN S35 TV 1.78 safe action (16:9)

25 mm x 14.2 mm = camera aperture
with format mask K5.41474.0
+ unexposed safety viewing space

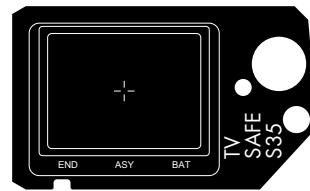
tolerance for format markings on ground glass ±0.02 mm

Ground Glass**ARRICAM**

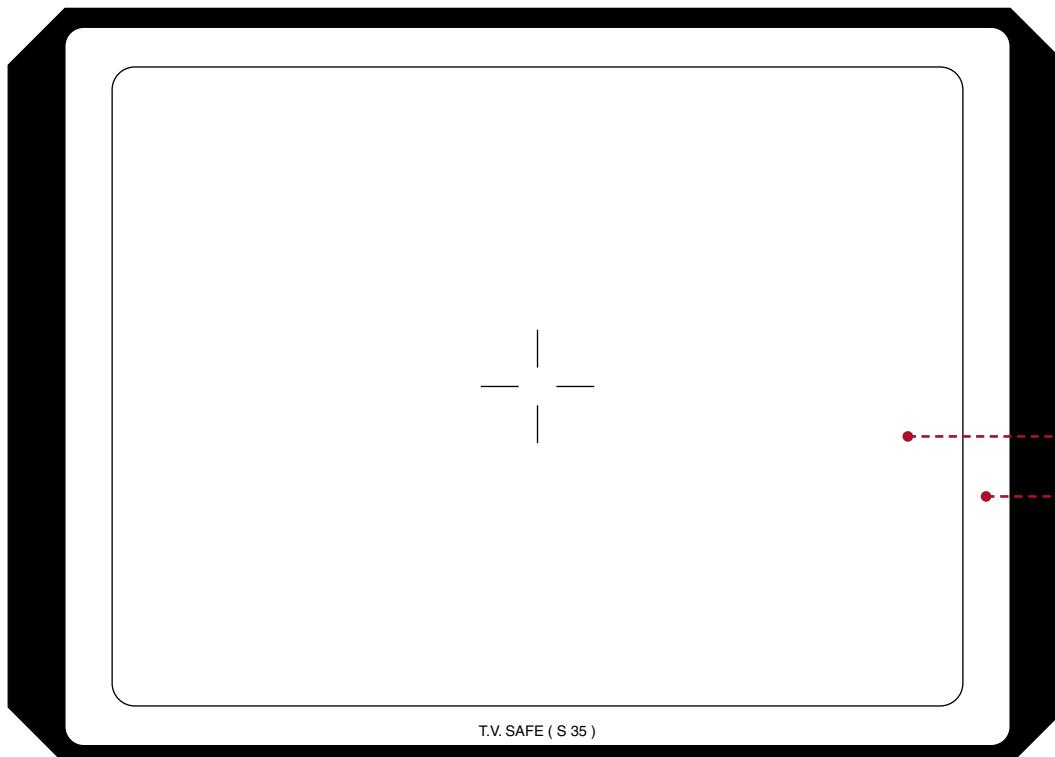
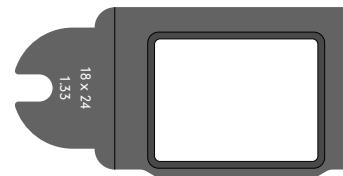
N/A

ARRIFLEX 435/535**K2.41200.F****Frameglow**

N/A

**K2.47281.3**

drawing scale 5:1

**4-Perforation****Format-Mask****K5.42392.0**exposed negative area:
24 mm x 18 mmNo 3-perforation
operation possible!

drawing scale 5:1

tolerance for format markings on ground glass ±0.02 mm

drawing scale 5:1

3-Perforation

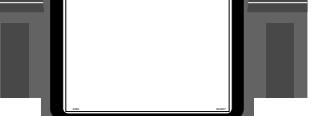
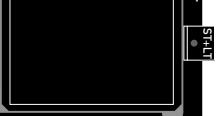
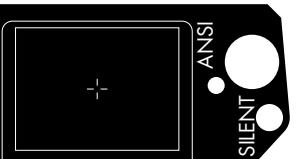
drawing scale 5:1

drawing scale 5:1

Capping Shutter Format Mask for ARRIFLEX 435**K2.52062.0**exposed negative area:
24 mm x 18 mmNo 3-perforation
operation possible!**Ground Glass Marking Dimensions**

22.5 mm x 16.9 mm = DIN S35 TV 1.33 safe action (4:3)

25 mm x 19 mm = camera aperture
with format mask K5.42392.0
+ unexposed safety viewing space

ARRICAM	Ground Glass K2.54083.0	Frameglow K2.54119.0	4-Perforation Format-Mask K5.54352.0	3-Perforation
				 No 3-perforation operation possible!
ARRIFLEX 435/535	K2.47433.0	K2.47434.0		
				
				Capping Shutter Format Mask for ARRIFLEX 435
				 No 3-perforation operation possible!
				 No Time Code exposure with ARRIFLEX 435/535
				Ground Glass Marking Dimensions
				24 mm x 18 mm = ANSI S35 projected area 1.33
				24.9 mm x 18.7 mm = camera aperture with format mask K5.54352.0

drawing scale 5:1

© ARRI

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tolerance for format markings on ground glass ± 0.02 mm

ANSI S35 TV 1.33 safe

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54105.0	K2.54121.0		
ARRIFLEX 435/535	K2.47413.0	K2.47425.0		
			K5.54352.0 exposed negative area 24.9 mm x 18.7 mm	
				No 3-perforation operation possible!
Capping Shutter Format Mask for ARRIFLEX 435				No 3-perforation operation possible!
K2.52242.0 exposed negative area: 24.9 mm x 18.7 mm				No Time Code exposure with ARRIFLEX 435/535
Ground Glass Marking Dimensions				23 mm x 17.25 mm = ANSI S35 TV 1.33 safe action (4:3) 24.9 mm x 18.7 mm = camera aperture with format mask K5.54352.0

drawing scale 5:1

© ARRI

tolerance for format markings on ground glass ±0.02 mm

ANSI S35 TV 1.78 transmitted

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54106.0	K2.54122.0		
ARRIFLEX 435/535	K2.47414.0	K2.47426.0		
				K5.59775.0 exposed negative area 24.9 mm x 14.4 mm
				Capping Shutter Format Mask for ARRIFLEX 435
			K2.52245.0 exposed negative area: 24.9 mm x 14.4 mm	No 3-perforation operation possible!
				No Time Code exposure with ARRIFLEX 435/535
			Ground Glass Marking Dimensions	
			24 mm x 13.5 mm	= ANSI S35 TV 1.78 transmitted (16:9)
			24.9 mm x 14.4 mm	= camera aperture with format mask K5.59775.0

drawing scale 5:1

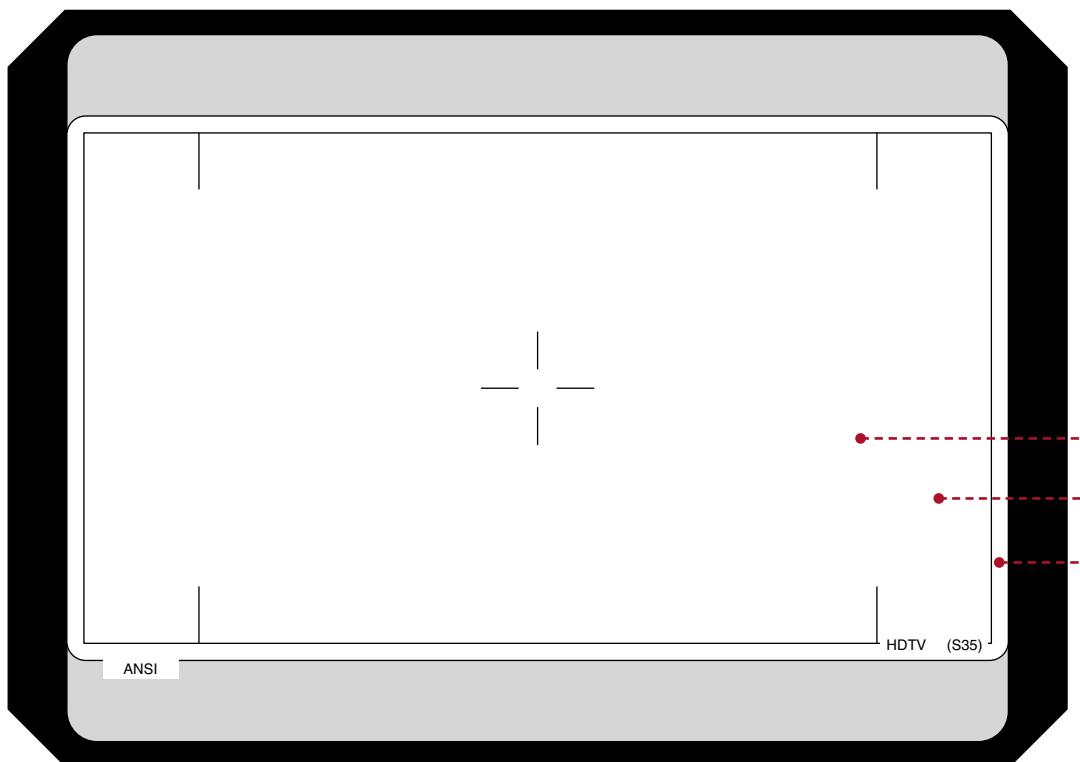
HDTV TRANS (S35)

ANSI

© ARRI

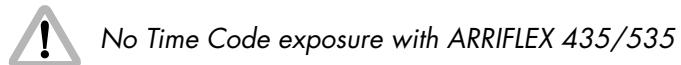
tolerance for format markings on ground glass ± 0.02 mm

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54060.0	K2.54054.0		
ARRIFLEX 435/535	K2.47410.0	K2.47422.0		



drawing scale 5:1

© ARRI

Capping Shutter Format Mask for ARRIFLEX 435**K2.52245.0**exposed negative area:
24.9 mm x 14.4 mmNo 3-perforation
operation possible!

No Time Code exposure with ARRIFLEX 435/535

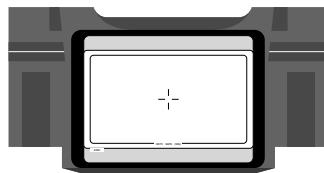
Ground Glass Marking Dimensions

- | | | |
|--------------------|---|--|
| 17.93 mm x 13.5 mm | = | ANSI S35 TV 1.33 transmitted (4:3) |
| 24 mm x 13.5 mm | = | ANSI S35 TV 1.78 transmitted (16:9) |
| 24.9 mm x 14.4 mm | = | camera aperture
with format mask K5.59775.0 |

tolerance for format markings on ground glass ±0.02 mm

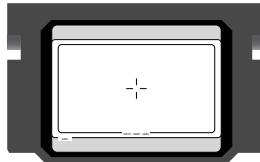
ARRICAM

Ground Glass



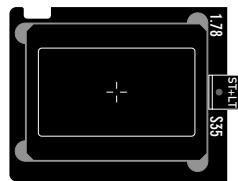
ARRIFLEX 435/535

K2.47415.0



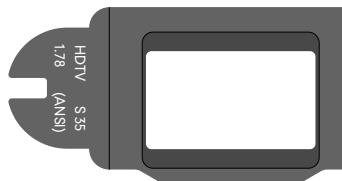
Frameglow

K2.54115.0



4-Perforation

Format-Mask

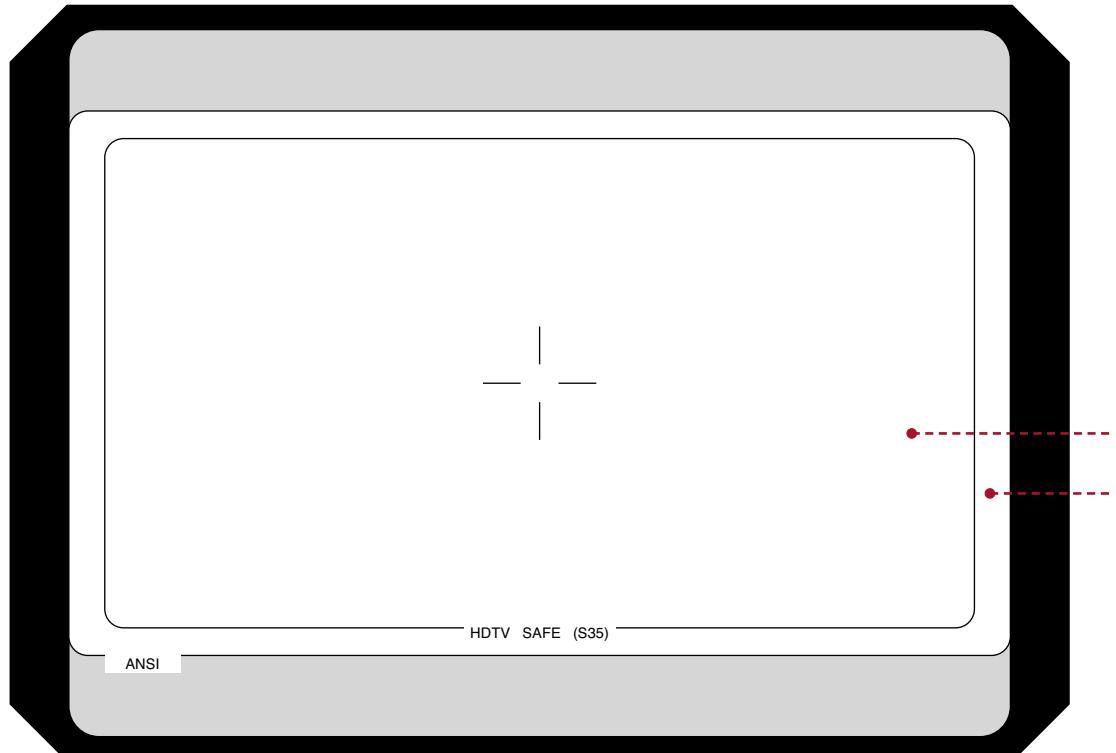
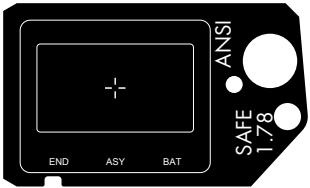


3-Perforation



No 3-perforation operation possible!

K2.47427.0



drawing scale 5:1

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Capping Shutter Format Mask for ARRIFLEX 435

K2.52245.0

exposed negative area:
24.9 mm x 14.4 mm



No 3-perforation operation possible!



No Time Code exposure with ARRIFLEX 435/535

Ground Glass Marking Dimensions

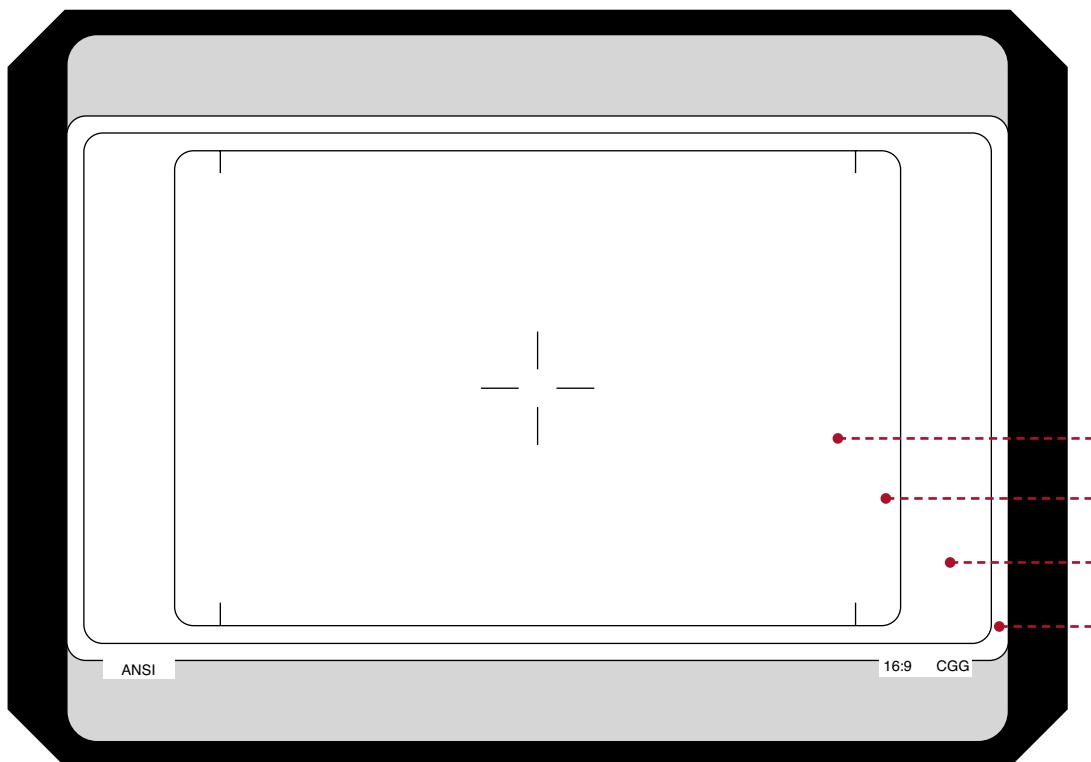
23 mm x 12.94 mm = ANSI S35 TV 1.78 safe action (16:9)

24.9 mm x 14.4 mm = camera aperture
with format mask K5.59775.0

ANSI S35 1.78 + 1.55 + 1.33 CGG



	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54085.0	K2.54089.0		
ARRIFLEX 435/535	K2.47419.0	K2.47431.0		 No 3-perforation operation possible!



drawing scale 5:1

© ARRI

Capping Shutter Format Mask for ARRIFLEX 435

K2.52245.0
exposed negative area:
24.9 mm x 14.4 mm

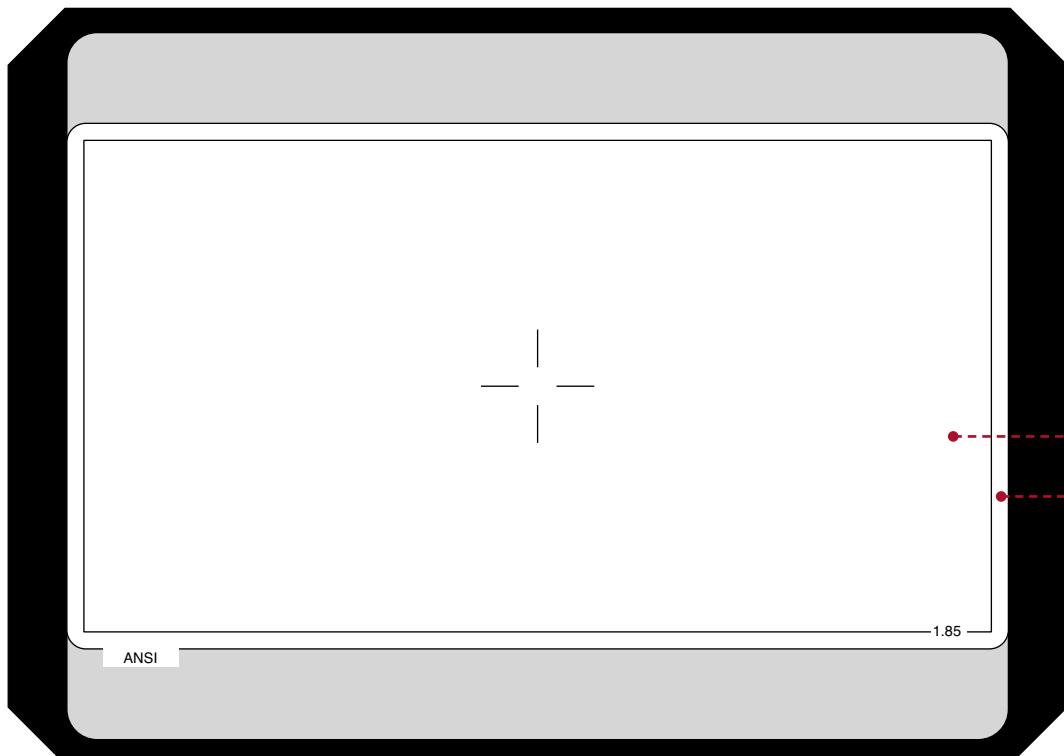
 No 3-perforation operation possible! No Time Code exposure with ARRIFLEX 435/535

Ground Glass Marking Dimensions

- | | | |
|--------------------|---|--|
| 16.8 mm x 12.56 mm | = | ANSI S35 1.33 |
| 19.2 mm x 12.56 mm | = | ANSI S35 1.55 |
| 24 mm x 13.5 mm | = | ANSI S35 TV 1.78 transmitted (16:9) |
| 24.9 mm x 14.4 mm | = | camera aperture
with format mask K5.59775.0 |

tolerance for format markings on ground glass ± 0.02 mm

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54108.0	K2.54114.0		
				ARRICAM ST and LT: Conversion Kit K2.54165.0 exposed negative area: 24.9 mm x 13.9 mm
ARRIFLEX 435/535	K2.47409.0	K2.47421.0		ARRIFLEX 435: dedicated 3-perforation camera + film gate for ANSI K2.47374.0
				ARRIFLEX 535/535B: Conversion Kit K4.47760.0 + film gate for ANSI K2.47375.0 exposed negative area: 24.9 mm x 14 mm



drawing scale 5:1

© ARRI

tolerance for format markings on ground glass ± 0.02 mm**Capping Shutter Format Mask for ARRIFLEX 435****K2.52244.0**exposed negative area:
24.9 mm x 13.9 mm

in preparation



No Time Code exposure with ARRIFLEX 435/535

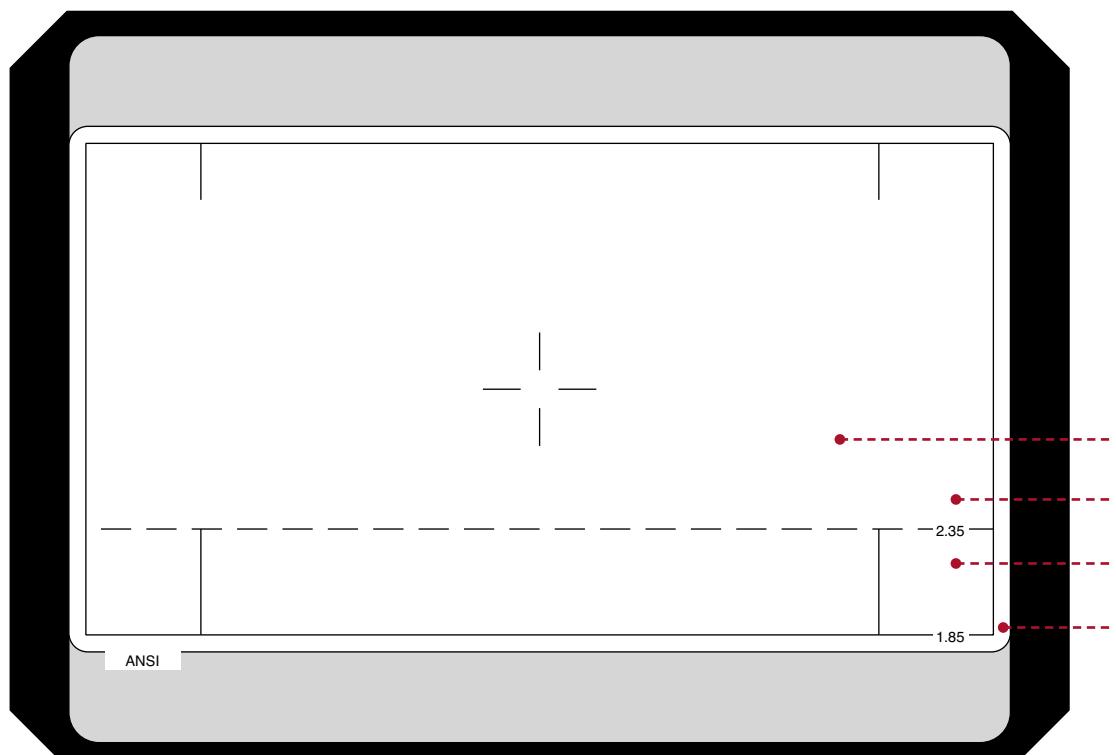
Ground Glass Marking Dimensions

24 mm x 13 mm = ANSI S35 projected area 1.85

24.9 mm x 13.9 mm = camera aperture
with format mask K5.59774.0

ANSI S35 2.35 + 1.85 + TV 1.33 Trans

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54061.0	K2.54055.0 for ST K2.54094.0 for LT		ARRICAM ST and LT: Conversion Kit K2.54165.0 exposed negative area: 24.9 mm x 13.9 mm
ARRIFLEX 435/535	K2.47411.0	K2.47423.0	K5.59774.0 exposed negative area 24.9 mm x 13.9 mm	ARRIFLEX 435: dedicated 3-perforation camera + film gate for ANSI K2.47374.0


Capping Shutter Format Mask for ARRIFLEX 435
K2.52244.0

 exposed negative area:
24.9 mm x 13.9 mm

in preparation



No Time Code exposure with ARRIFLEX 435/535

Ground Glass Marking Dimensions

17.93 mm x 13 mm	=	ANSI S35 TV 1.33 transmitted area (4:3)*
24 mm x 10.2 mm	=	ANSI S35 projected area 2.35
24 mm x 13 mm	=	ANSI S35 projected area 1.85
24.9 mm x 13.9 mm	=	camera aperture with format mask K5.59774.0

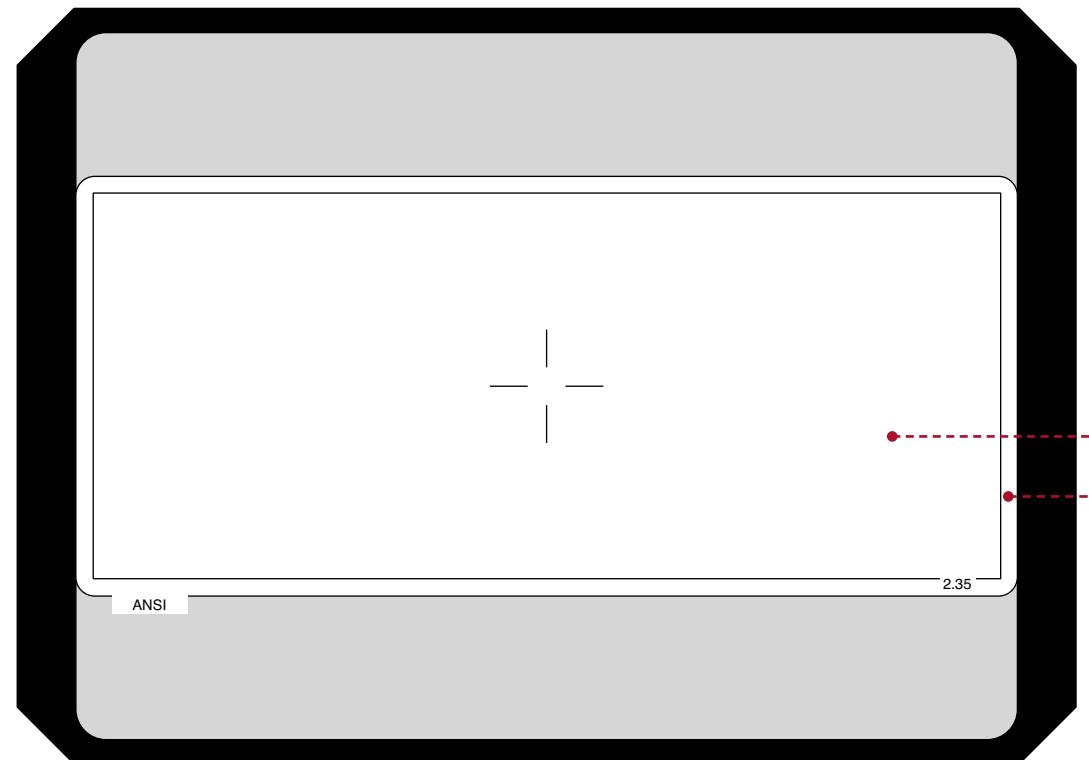
***Note:** ANSI S35 TV 1.33 transmitted area = 17.93 mm x 13.5 mm
second line not shown for better readability
tolerance for format markings on ground glass ± 0.02 mm

ANSI S35 2.35 centric

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54109.0	K2.54092.0		
ARRIFLEX 435/535	K2.47416.0	K2.47428.0		
			Format-Mask	
			K5.59773.0 exposed negative area: 24.9 mm x 13.9 mm	
				ARRIFLEX 435: dedicated 3-perforation camera + film gate for ANSI K2.47374.0
				ARRIFLEX 535/535B: Conversion Kit K4.47760.0 + film gate for ANSI K2.47375.0 exposed negative area: 24.9 mm x 14 mm
				Capping Shutter Format Mask for ARRIFLEX 435
			K2.52243.0 exposed negative area: 24.9 mm x 11.1 mm	in preparation
			No Time Code exposure with ARRIFLEX 435/535	
			Ground Glass Marking Dimensions	
			24 mm x 10.2 mm	= ANSI S35 projected area 2.35
			24.9 x 11.1 mm	= camera aperture with format mask K5.59773.0

drawing scale 5:1

tolerance for format markings on ground glass ± 0.02 mm



ANSI S35 2.35 + 1.85 $\frac{1}{4}$ offset

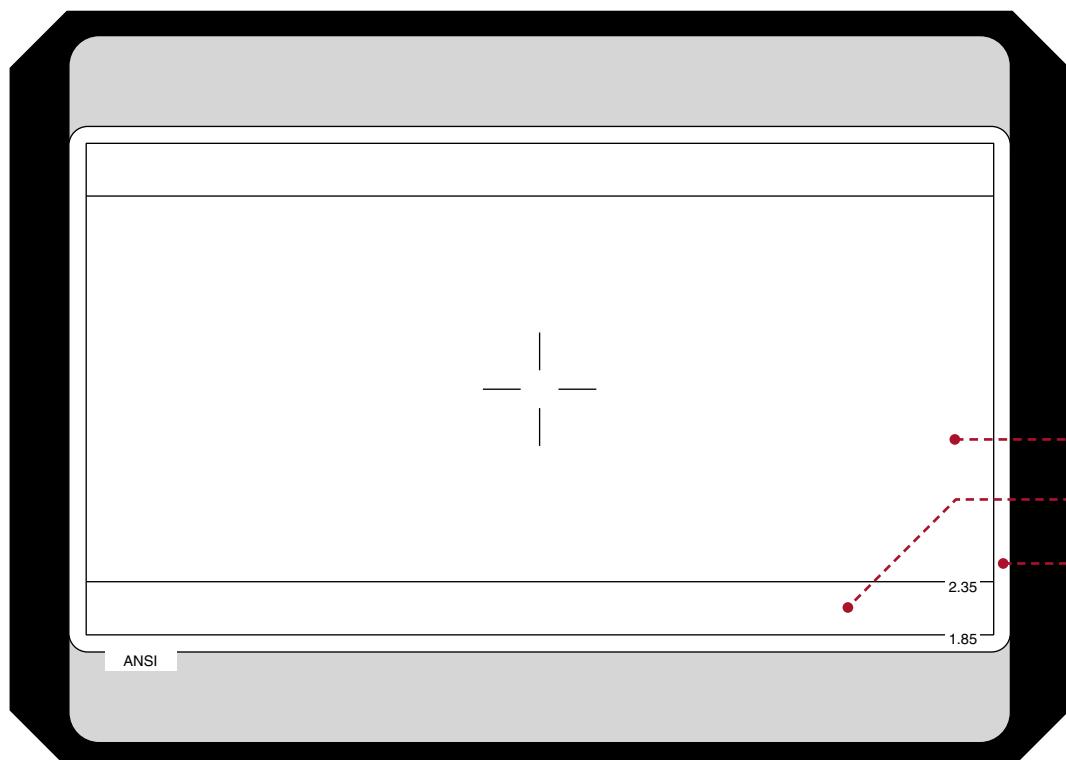
	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54110.0	K2.54088.0 for ST K2.54096.0 for LT		
ARRIFLEX 435/535	K2.47417.0	K2.47429.0		
			K5.59776.0 exposed negative area 24.9 mm x 13.9 mm	No 3-perforation operation possible!
			Capping Shutter Format Mask for ARRIFLEX 435	
			K2.52246.0 exposed negative area: 24.9 mm x 13.9 mm	No 3-perforation operation possible!
			No Time Code exposure with ARRIFLEX 435/535	
			Ground Glass Marking Dimensions	
			24 mm x 10.2 mm = ANSI S35 projected area 2.35	
			24 mm x 13 mm = ANSI S35 projected area 1.85	
			24.9 mm x 13.9 mm = camera aperture with format mask K5.59776.0	
			$\frac{1}{4}$ offset (lines 24 mm x 13 mm shifted 0.7mm down against center cross)	
			<i>tolerance for format markings on ground glass ± 0.02 mm</i>	

drawing scale 5:1

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ANSI S35 2.35 + 1.85 centric

	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54087.0	K2.54091.0		
				ARRICAM ST and LT: Conversion Kit K2.54165.0 exposed negative area: 24.9 mm x 13.9 mm
ARRIFLEX 435/535	K2.47420.0	K2.47432.0		ARRIFLEX 435: dedicated 3-perforation camera + film gate for ANSI K2.47374.0
				ARRIFLEX 535/535B: Conversion Kit K4.47760.0 + film gate for ANSI K2.47375.0 exposed negative area: 24.9 mm x 14 mm


Capping Shutter Format Mask for ARRIFLEX 435
K2.52244.0

 exposed negative area:
 24.9 mm x 13.9 mm

in preparation


No Time Code exposure with ARRIFLEX 435/535
Ground Glass Marking Dimensions

24 mm x 10.2 mm = ANSI S35 projected area 2.35

24 mm x 13 mm = ANSI S35 projected area 1.85

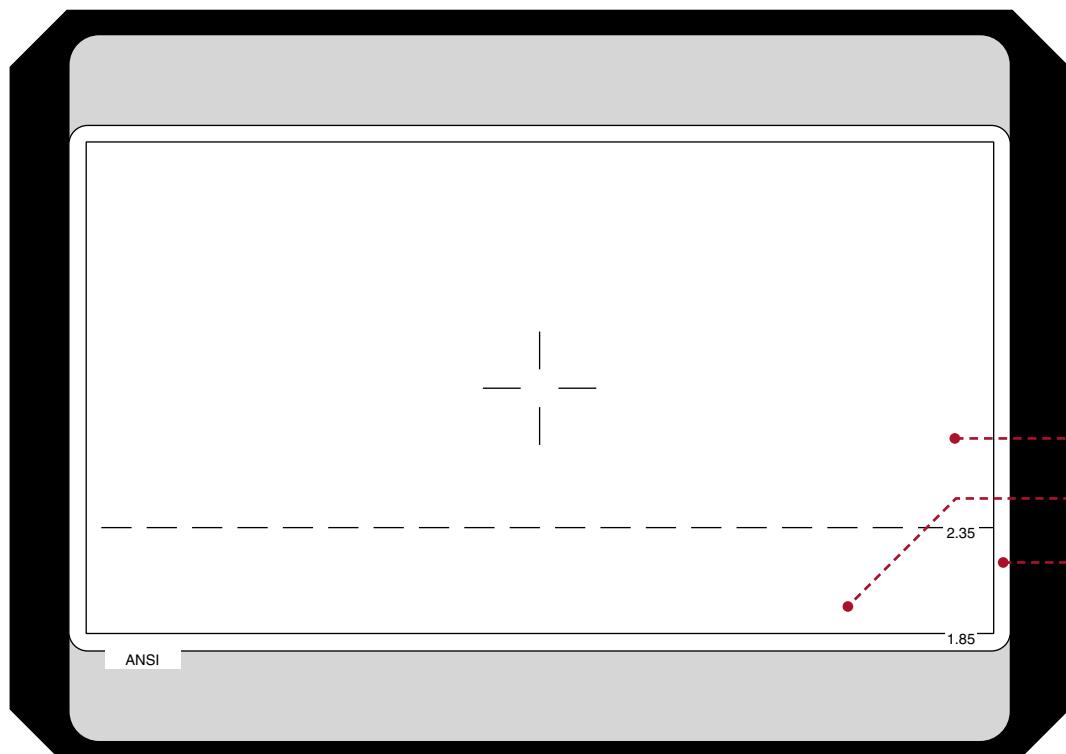
 24.9 mm x 13.9 mm = camera aperture
 with format mask K5.59774.0

centric

tolerance for format markings on ground glass ±0.02 mm

ANSI S35 2.35 + 1.85 common top

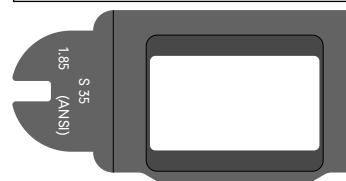
	Ground Glass	Frameglow	4-Perforation	3-Perforation
ARRICAM	K2.54111.0	K2.54116.0 for ST K2.54095.0 for LT		
ARRIFLEX 435/535	K2.47418.0	K2.47430.0		



drawing scale 5:1

© ARRI

tolerance for format markings on ground glass ± 0.02 mm

4-Perforation
Format-Mask


K5.59774.0

exposed negative area
24.9 mm x 13.9 mm

ARRICAM ST and LT:
Conversion Kit K2.54165.0
exposed negative area:
24.9 mm x 13.9 mm

ARRIFLEX 435:
dedicated 3-perforation camera
+ film gate for ANSI K2.47374.0

ARRIFLEX 535/535B:
Conversion Kit K4.47760.0
+ film gate for ANSI K2.47375.0
exposed negative area:
24.9 mm x 14 mm

Capping Shutter Format Mask for ARRIFLEX 435

K2.52244.0

exposed negative area:
24.9 mm x 13.9 mm

in preparation



No Time Code exposure with ARRIFLEX 435/535

Ground Glass Marking Dimensions

- | | | |
|-------------------|---|--|
| 24 mm x 10.2 mm | = | ANSI S35 projected area 2.35 |
| 24 mm x 13 mm | = | ANSI S35 projected area 1.85 |
| 24.9 mm x 13.9 mm | = | camera aperture
with format mask K5.59774.0 |

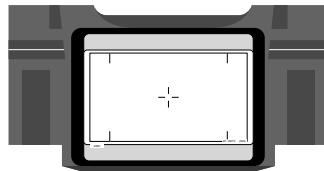
common top

ANSI S35 3 P TV 1.78 + 1.33 Trans



Ground Glass

ARRICAM

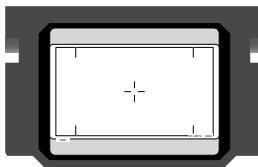


K2.54063.0

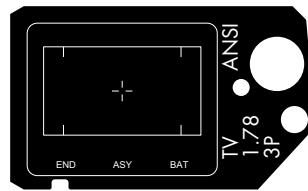
Frameglow

K2.54057.0

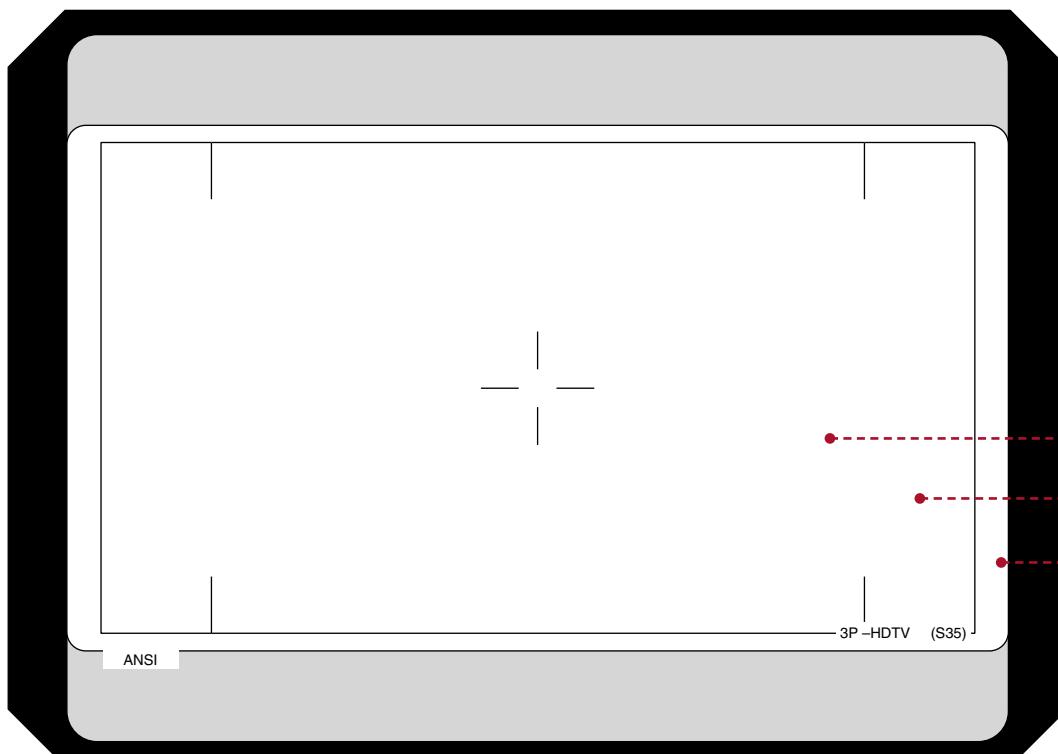
ARRIFLEX 435/535



K2.47412.0



K2.47424.0



drawing scale 5:1

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4-Perforation

Format-Mask



No 4-perforation operation possible!

3-Perforation

ARRICAM ST and LT:
Conversion Kit K2.54165.0
exposed negative area:
24.9 mm x 13.9 mm

ARRIFLEX 435:
dedicated 3-perforation camera
+ film gate for ANSI K2.47374.0

ARRIFLEX 535/535B:
Conversion Kit K4.47760.0
+ film gate for ANSI K2.47375.0
exposed negative area:
24.9 mm x 14 mm

Capping Shutter Format Mask for ARRIFLEX 435



No 4-perforation operation possible!

in preparation



No Time Code exposure with ARRIFLEX 435/535

Ground Glass Marking Dimensions

17.27 mm x 12.98 mm	=	N35 3 perforation TV 1.33 transmitted (4:3)
23.11 mm x 12.98 mm	=	ANSI S35 3 perforation TV 1.78 transmitted (16:9)
24.9 mm x 13.9 mm	=	camera aperture with 3 perforation type ARRICAMs

tolerance for format markings on ground glass ± 0.02 mm

Blank

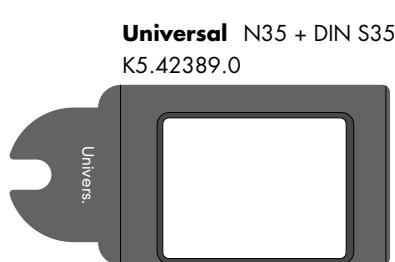
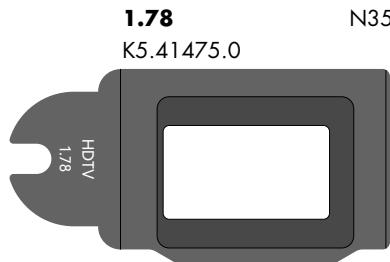
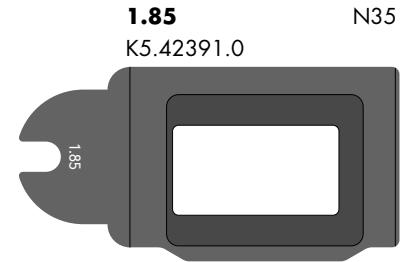
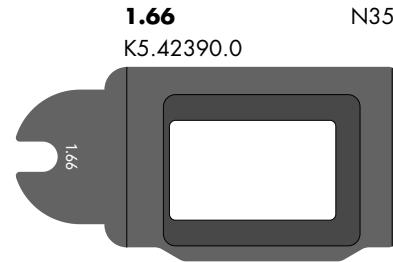
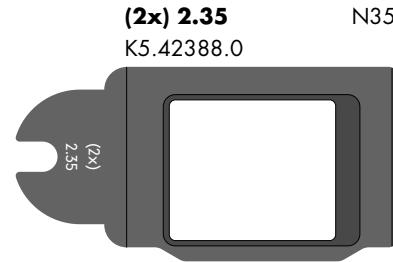
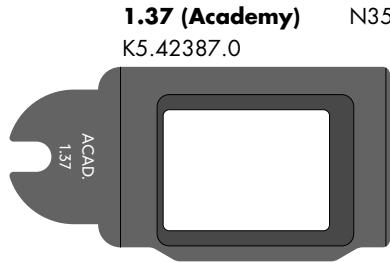
	Ground Glass	Frameglow	4-Perforation	3-Perforation	
ARRICAM	K2.54142.0	K2.54141.0			
ARRIFLEX 435/535		K2.47169.0			
	N / A			<p>! No 3-perforation operation possible!</p>	
				<p>Capping Shutter Format Mask for ARRIFLEX 435</p> <p>not available</p> <p>! No Time Code exposure with ARRIFLEX 435/535</p>	
				<p>Ground Glass Marking Dimensions</p> <p>no markings on blank ground glass</p>	

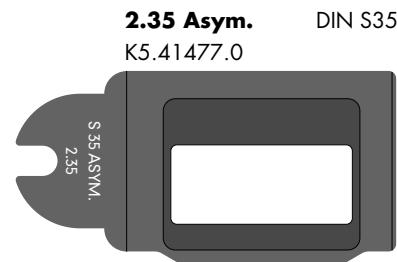
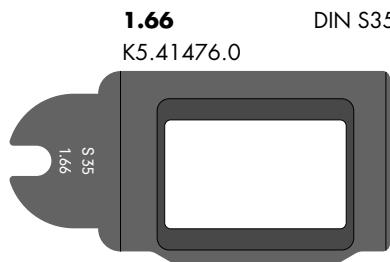
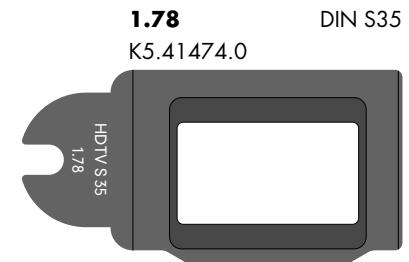
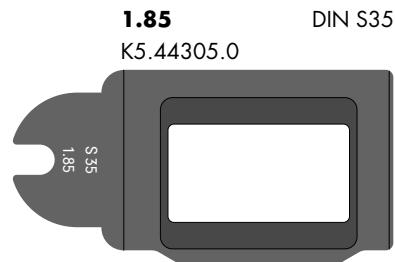
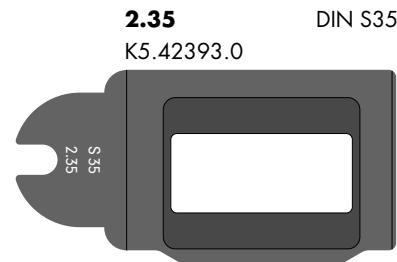
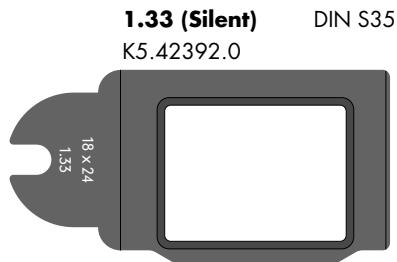
drawing scale 5:1

© ARRI

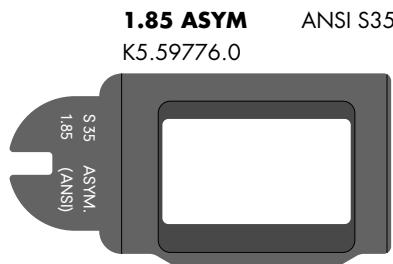
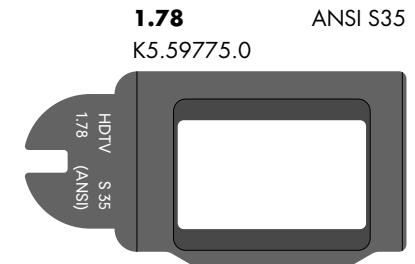
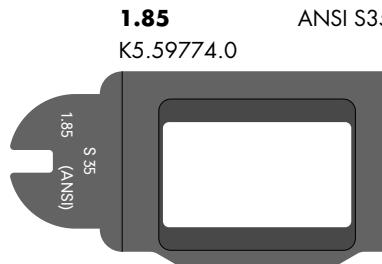
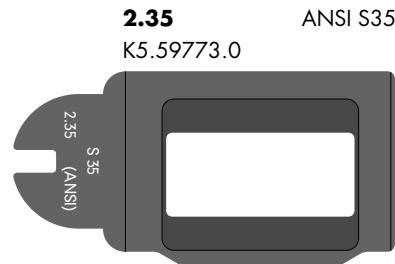
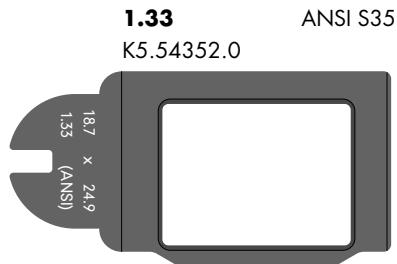
3.4 DIN N35 – Format Mask Template

In the ground glass drawings section there is a format mask cited for each ground glass. This represents the smallest aperture suitable for the given ground glass. It is however possible to use format masks with larger apertures and to extract the required image format from the negative in post-production.





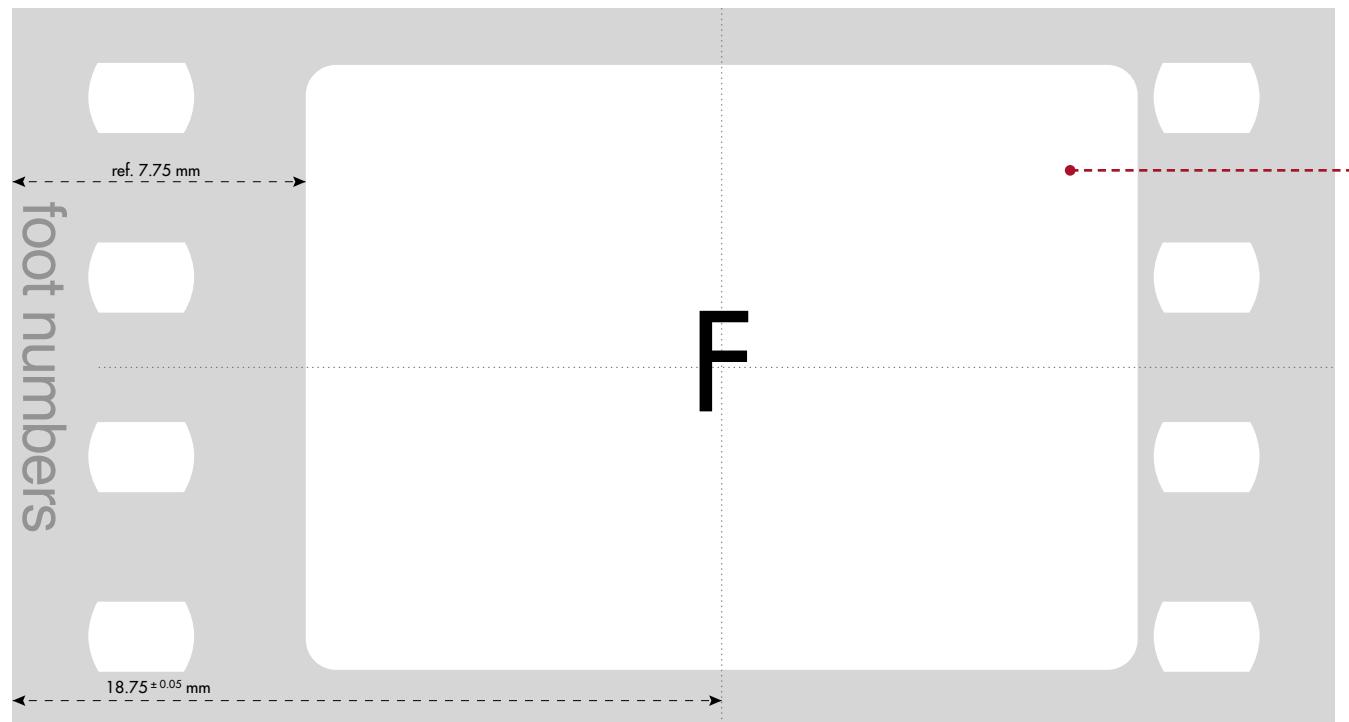
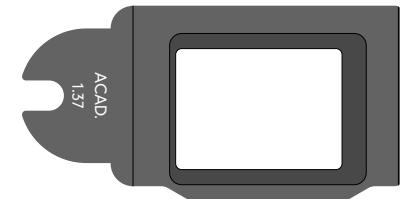
3.6 ANSI S35 – Format Mask Template



No Time Code exposure with ARRIFLEX 435/535

3.7 35 mm Format Masks And Drawings Of The Correspondingly Exposed Negative Areas

Format Mask	Format	Ident-Nr.
1.37 (Academy)	N35	K5.42387.0



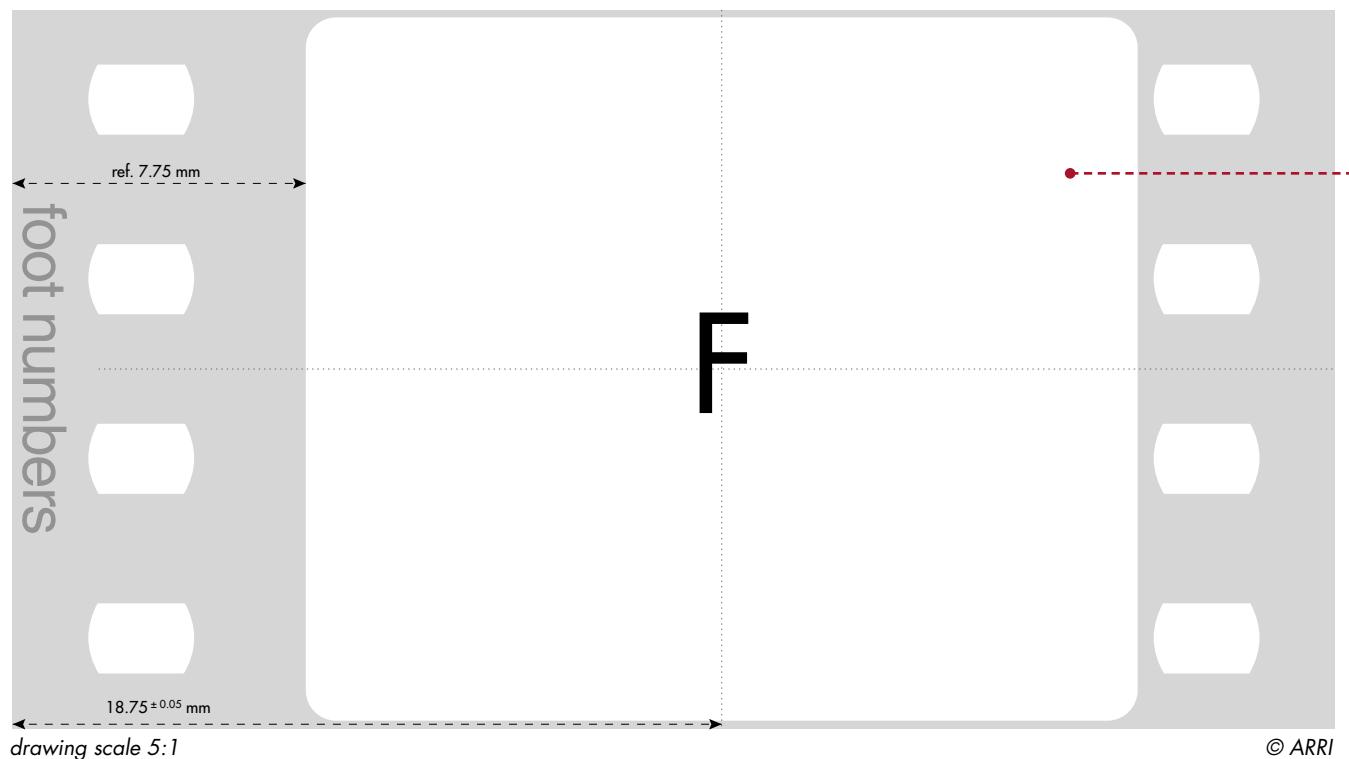
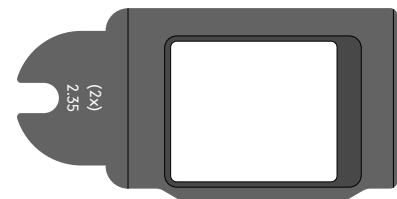
drawing scale 5:1

Correspondingly Exposed Negative Area

$22^{+0.01} \text{ mm} \times 16^{+0.01} \text{ mm}$ (R 0.8 mm)

1 : 1.37

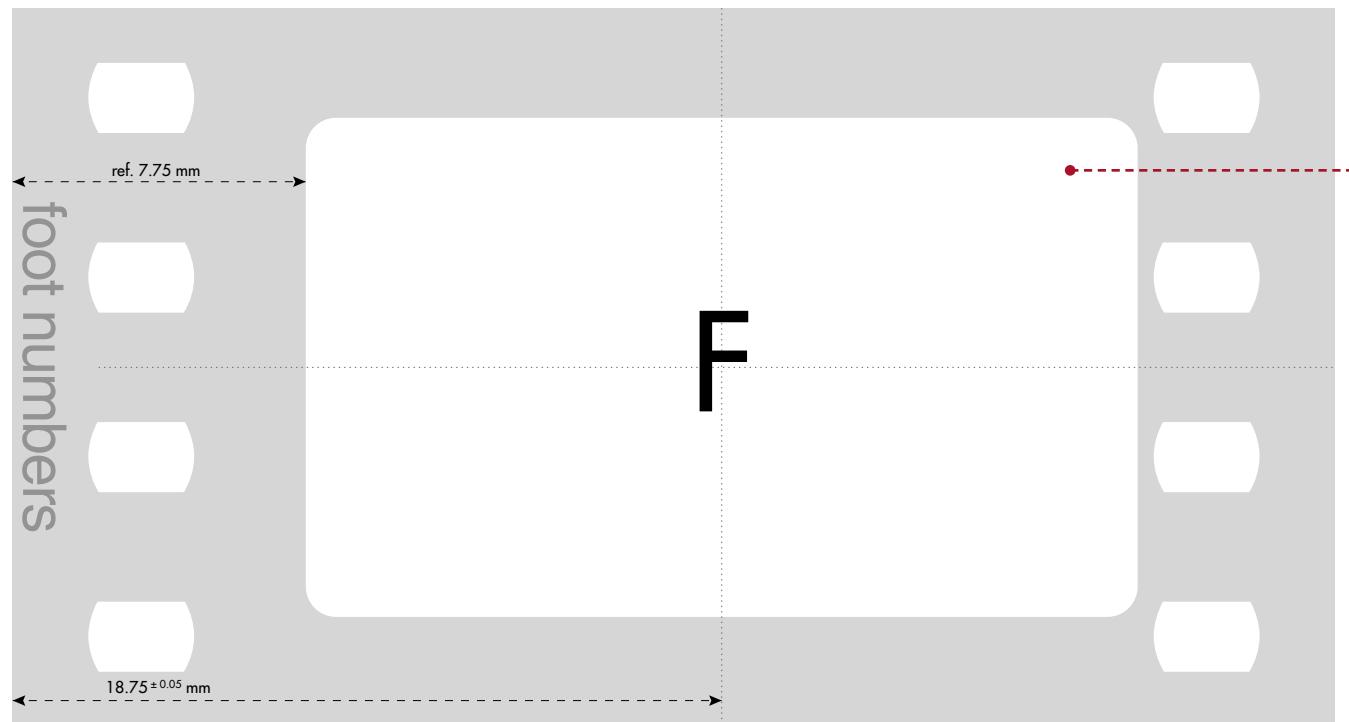
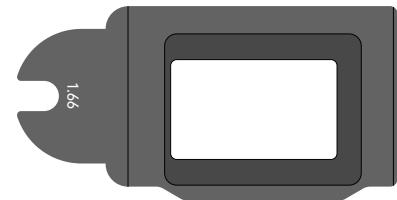
Format Mask	Format	Ident-Nr.
(2x) 2.35	N35	K5.42388.0



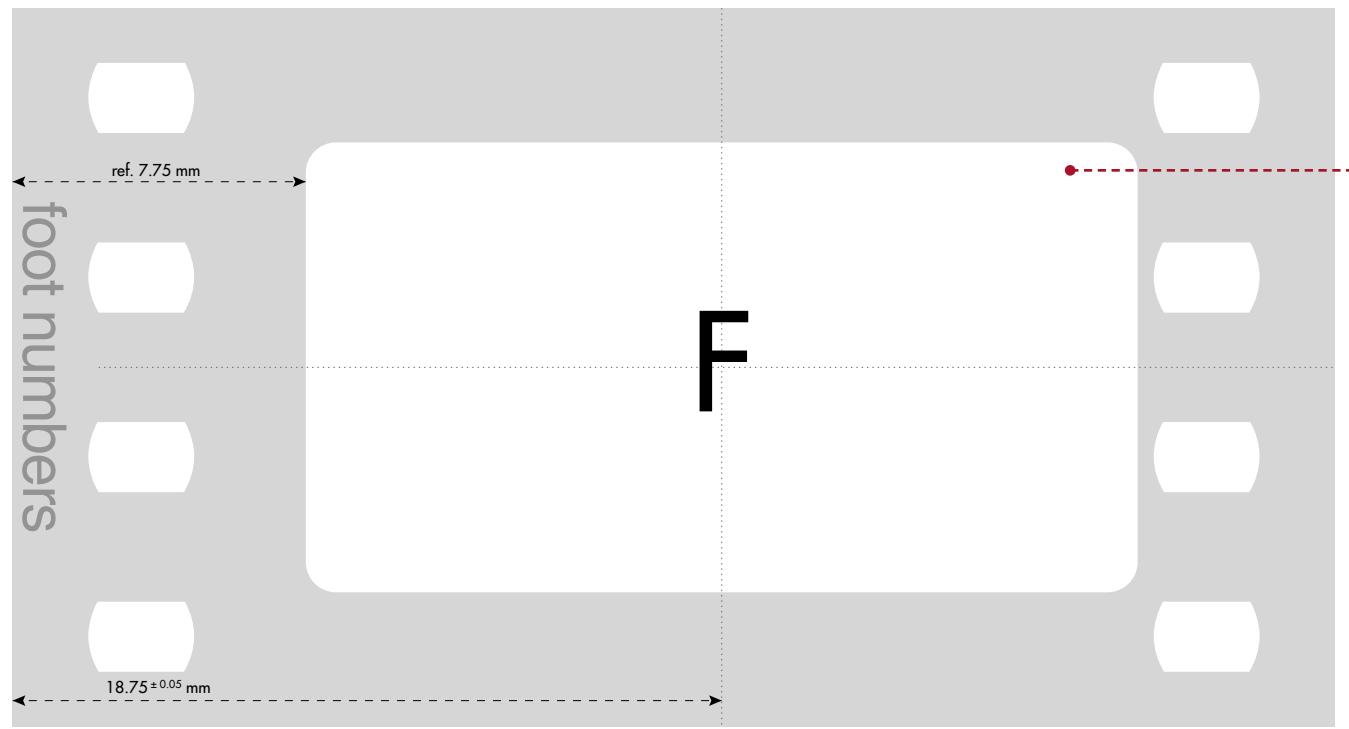
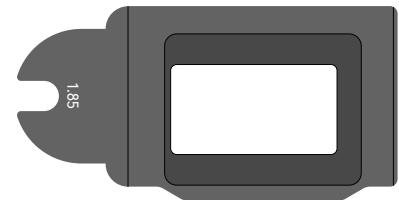
$22^{+0.01} \text{ mm} \times 18.6^{+0.01} \text{ mm}$ (R 0.8 mm)

1 : 2.35 (2x)

Format Mask	Format	Ident-Nr.
1.66	N35	K5.42390.0



Format Mask	Format	Ident-Nr.
1.85	N35	K5.42391.0

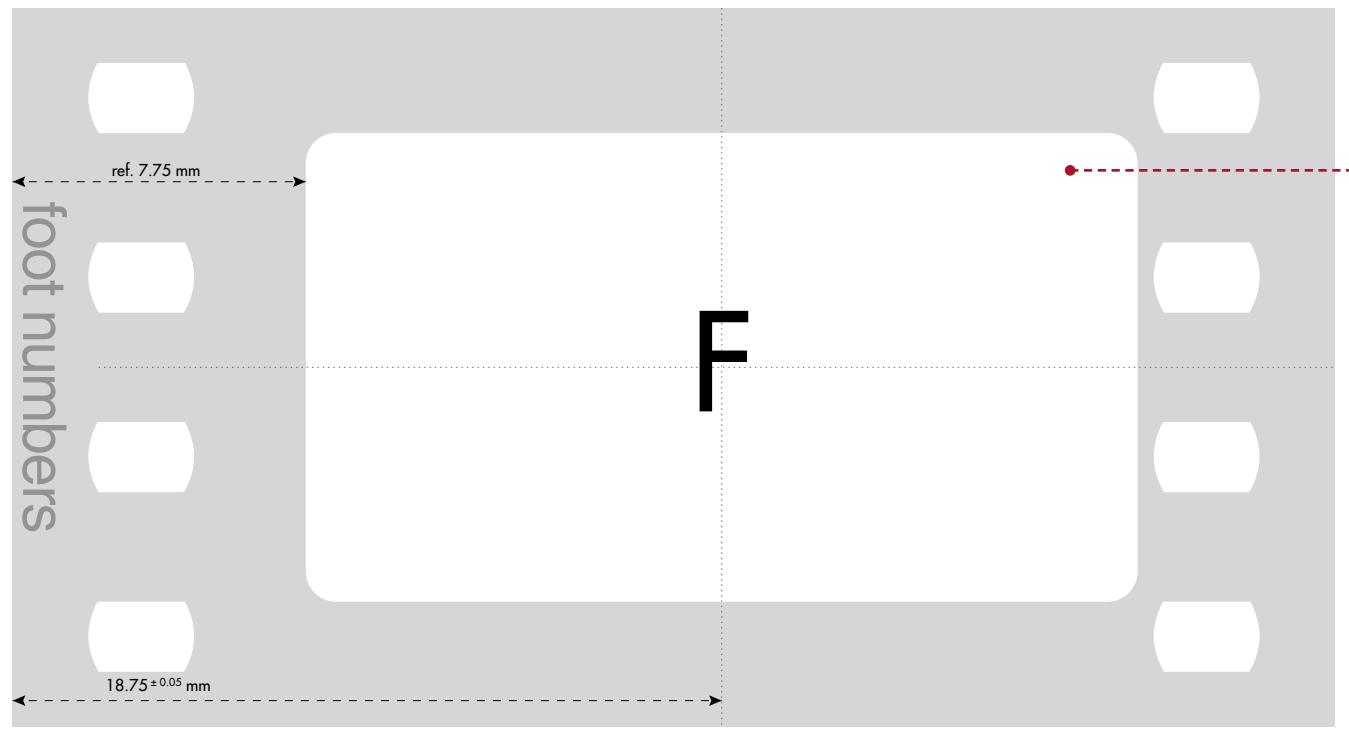
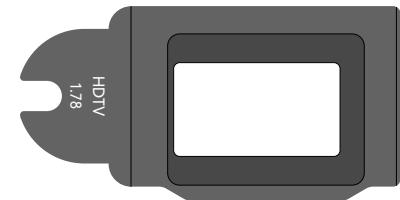


Correspondingly Exposed Negative Area

$22^{+0.01} \text{ mm} \times 11.9^{+0.01} \text{ mm}$ (R 0.8 mm)

1:1.85

Format Mask	Format	Ident-Nr.
1.78	N35	K5.41475.0

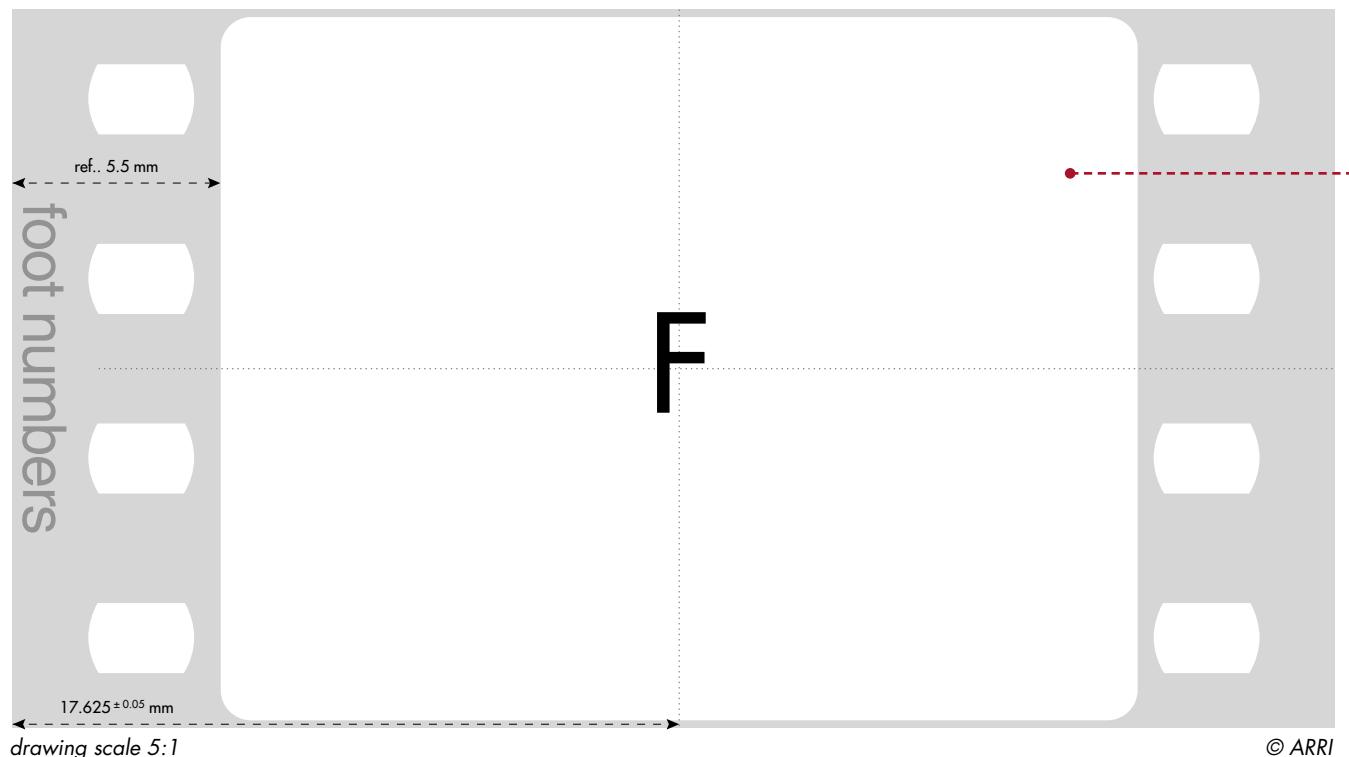
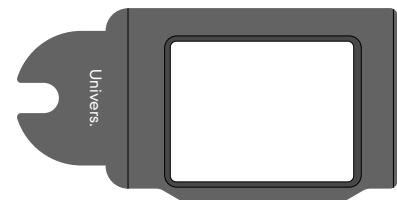


Correspondingly Exposed Negative Area

$22^{+0.01} \text{ mm} \times 12.4^{+0.01} \text{ mm}$ (R 0.8 mm)

1:1.78

Format Mask	Format	Ident-Nr.
Universal	N35 + DIN S 35	K5.42389.0



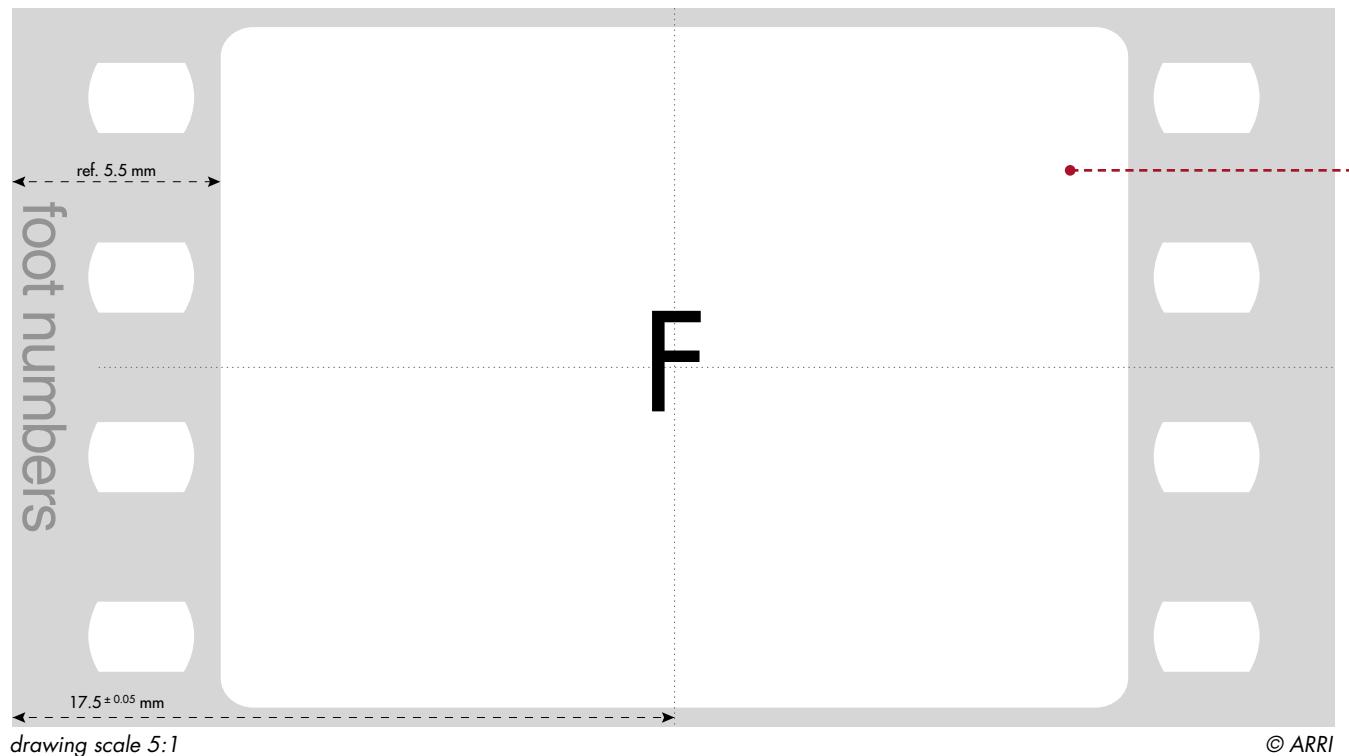
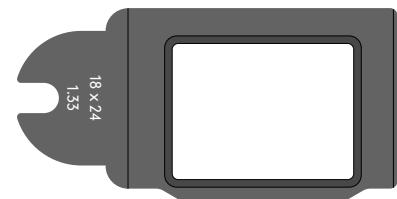
Correspondingly Exposed Negative Area

$24.25^{+0.01} \text{ mm} \times 18.6^{+0.01} \text{ mm}$ (R 0.8 mm)

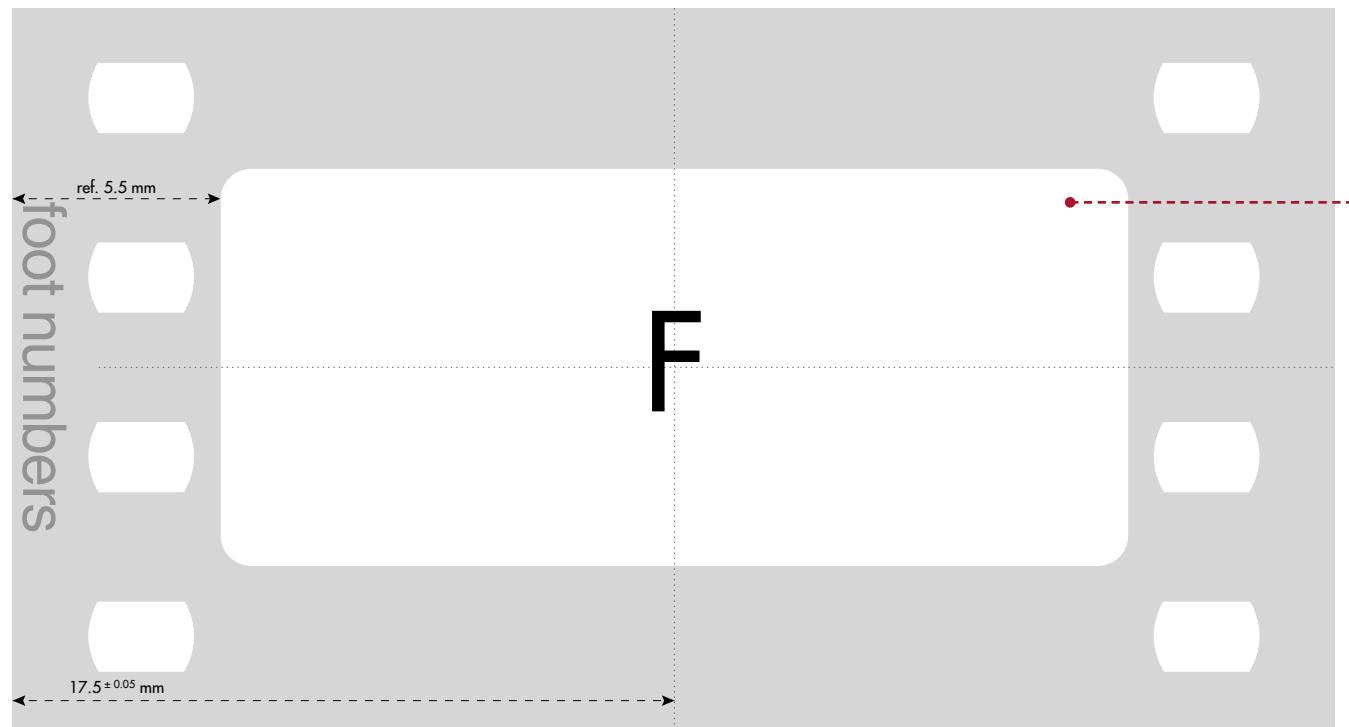
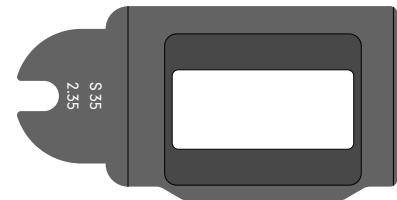
This format covers N35 as well as DIN S35.

Extract the required image format from the negative in post-production.

Format Mask	Format	Ident-Nr.
1.33 (Silent)	DIN S35	K5.42392.0



Format Mask	Format	Ident-Nr.
2.35	DIN S35	K5.42393.0

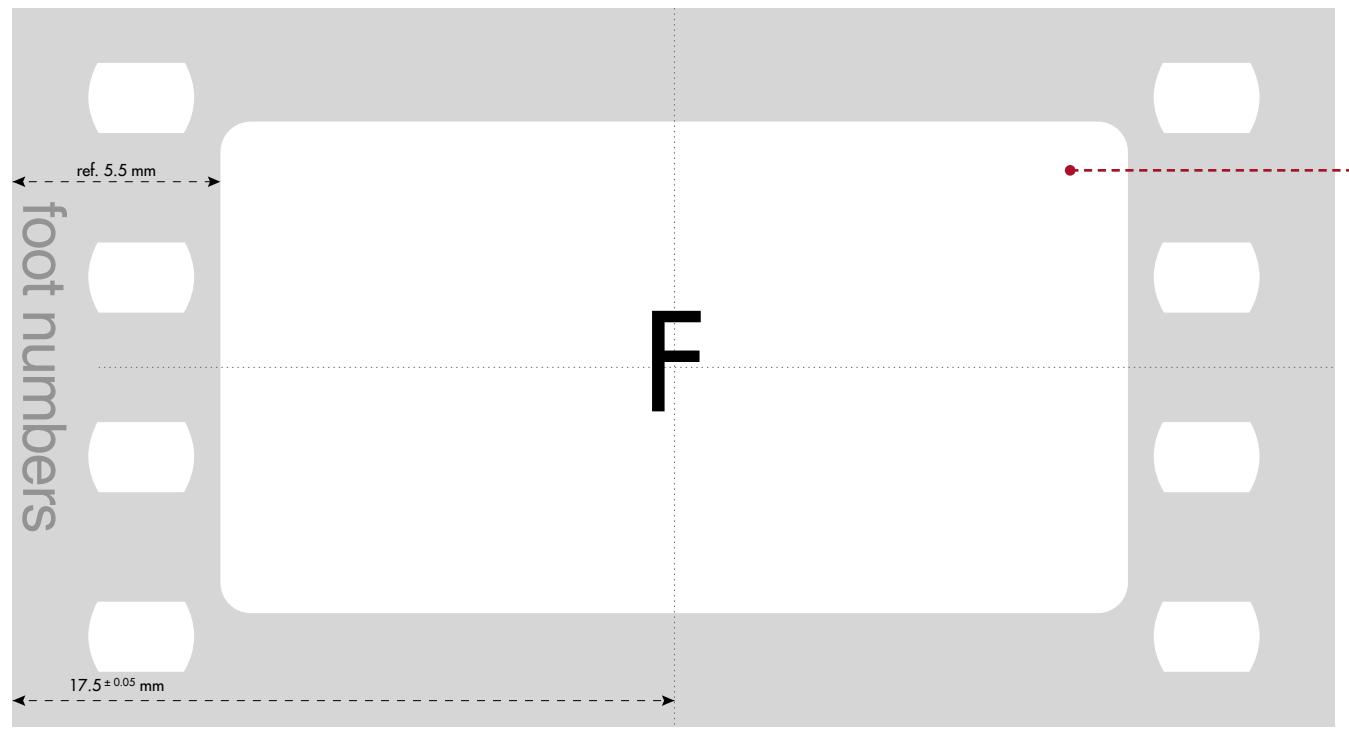
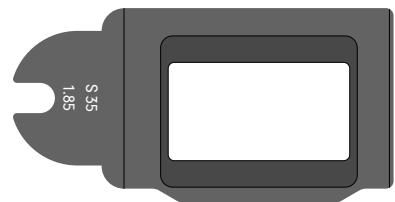


Correspondingly Exposed Negative Area

$24^{+0.01} \text{ mm} \times 10.5^{+0.01} \text{ mm}$ (R 0.8 mm)

1:2.35

Format Mask	Format	Ident-Nr.
1.85	DIN S35	K5.44305.0

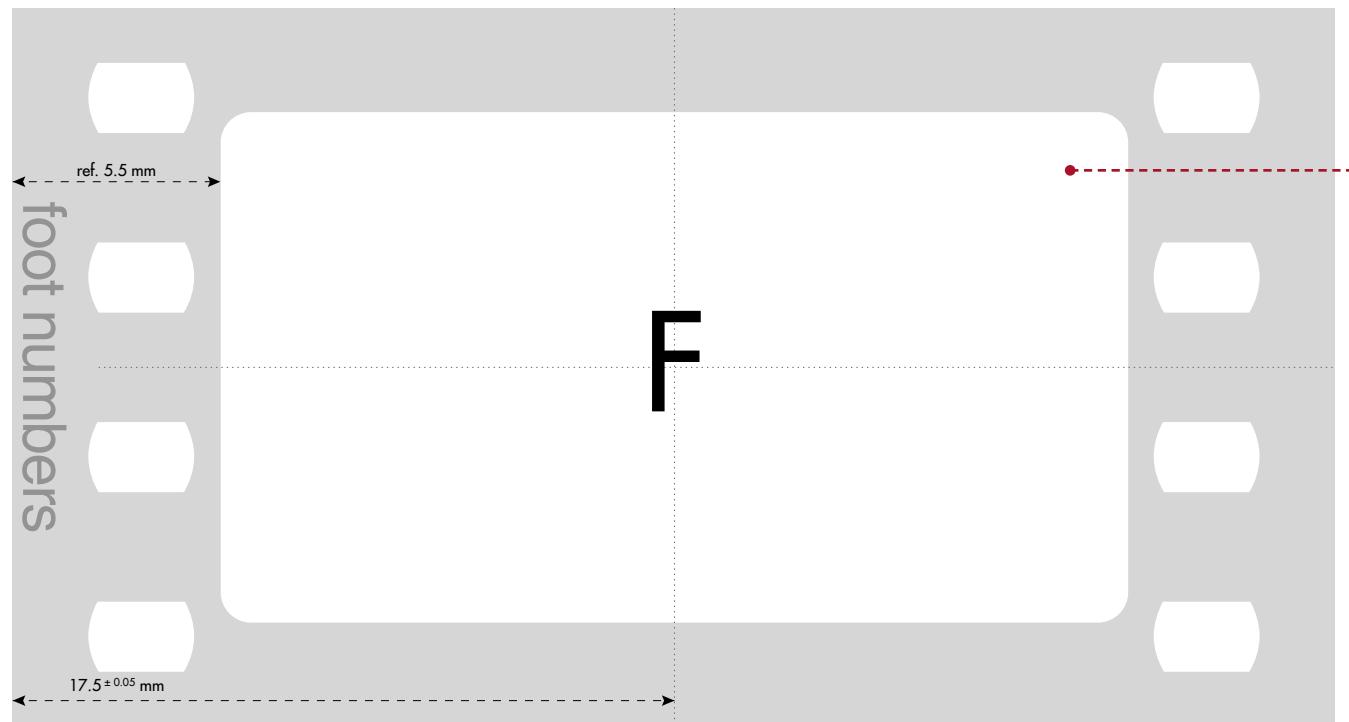
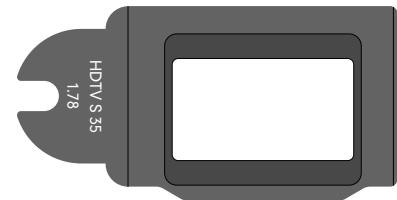


Correspondingly Exposed Negative Area

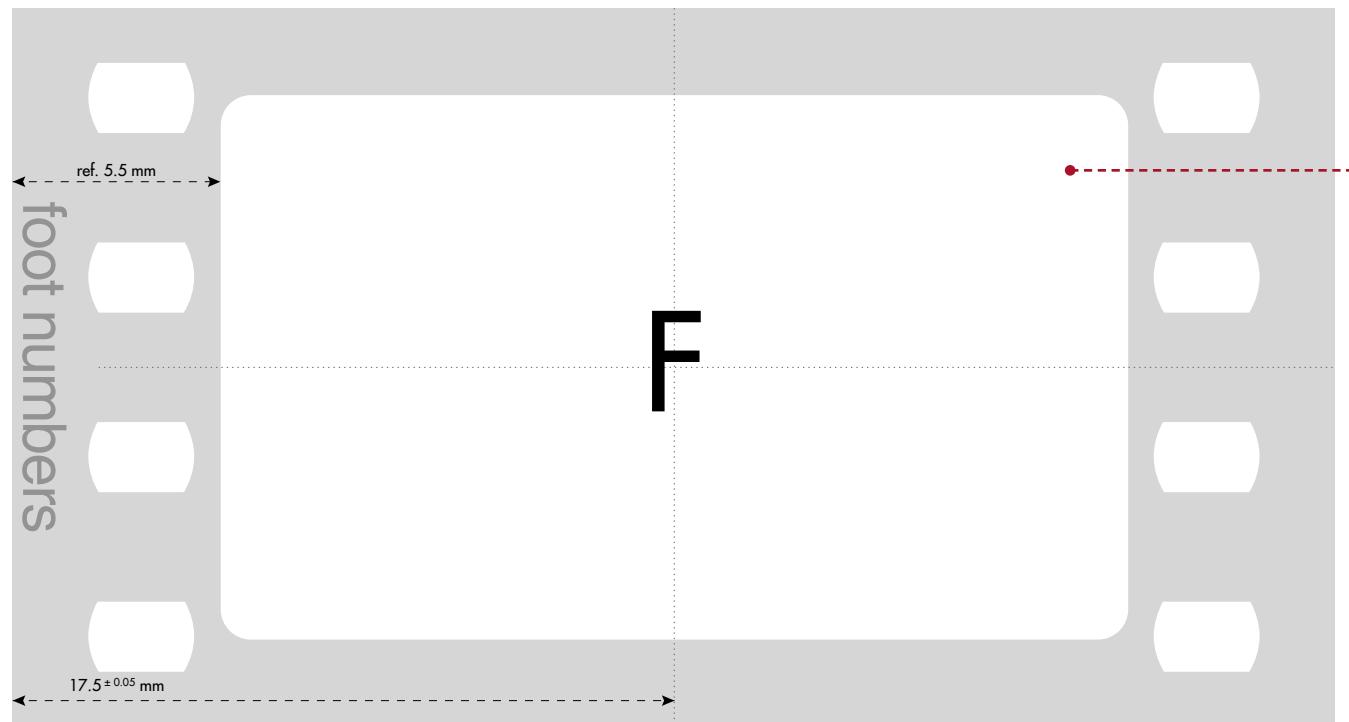
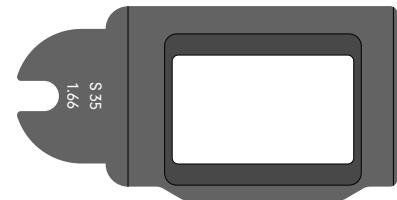
$24^{+0.01} \text{ mm} \times 13^{+0.01} \text{ mm} (\text{R } 0.8 \text{ mm})$

1:1.85

Format Mask	Format	Ident-Nr.
1.78	DIN S35	K5.41474.0



Format Mask	Format	Ident-Nr.
1.66	DIN S35	K5.41476.0



drawing scale 5:1

© ARRI

Format Mask

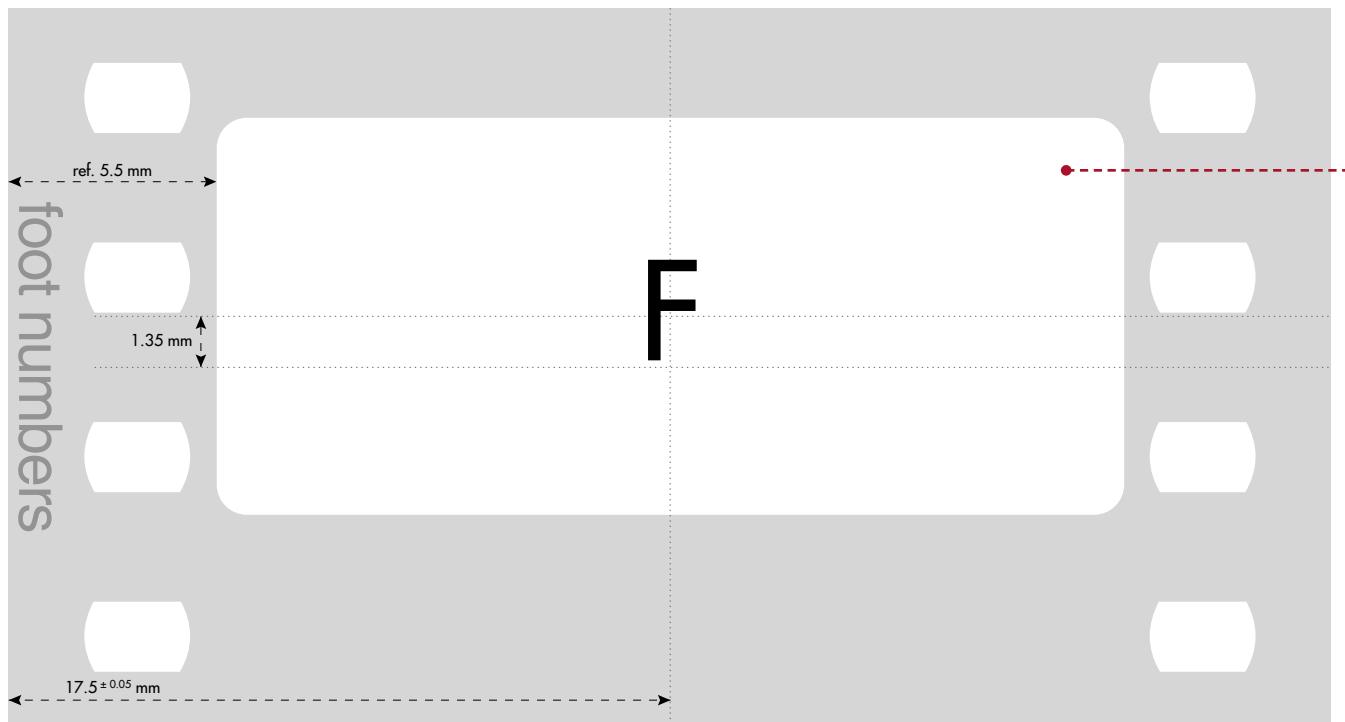
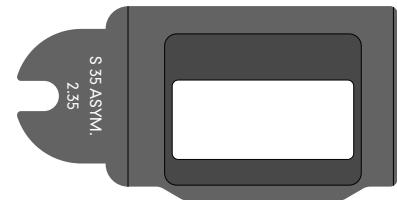
2.35 ASYM.

Format

DIN S35

Ident-Nr.

K5.41477.0



Correspondingly Exposed Negative Area

$24^{+0.01} \text{ mm} \times 10.5^{+0.01} \text{ mm}$ (R 0.8 mm)

1:2.35

Format Mask

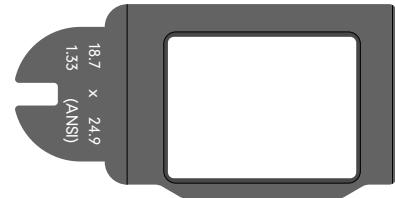
1.33

Format

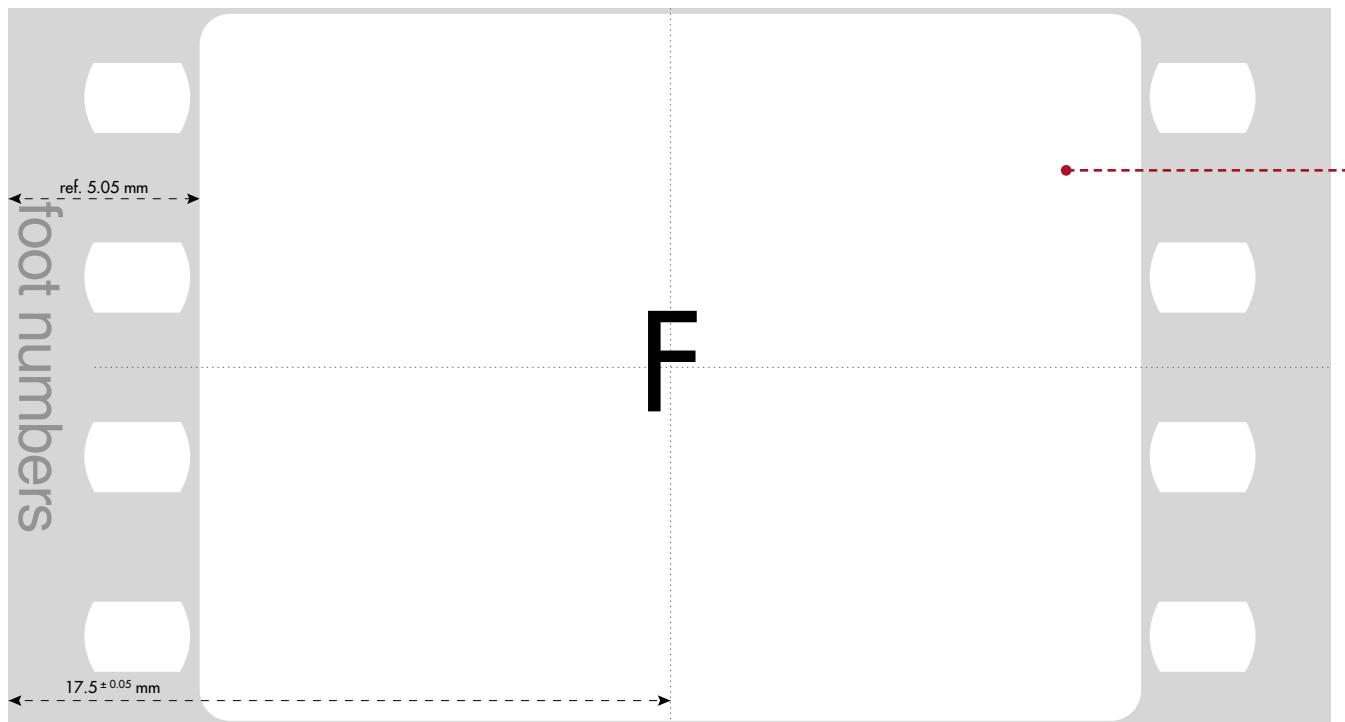
ANSI S35

Ident-Nr.

K5.54352.0



No Time Code exposure with ARRIFLEX 435/535



Correspondingly Exposed Negative Area

$24.9^{+0.01} \text{ mm} \times 18.7^{+0.01} \text{ mm}$ (R 0.8 mm)

1 : 1.33

Format Mask

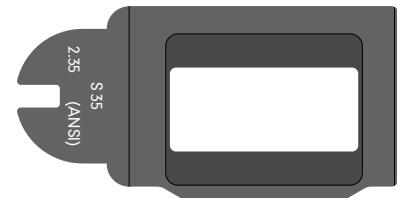
2.35

Format

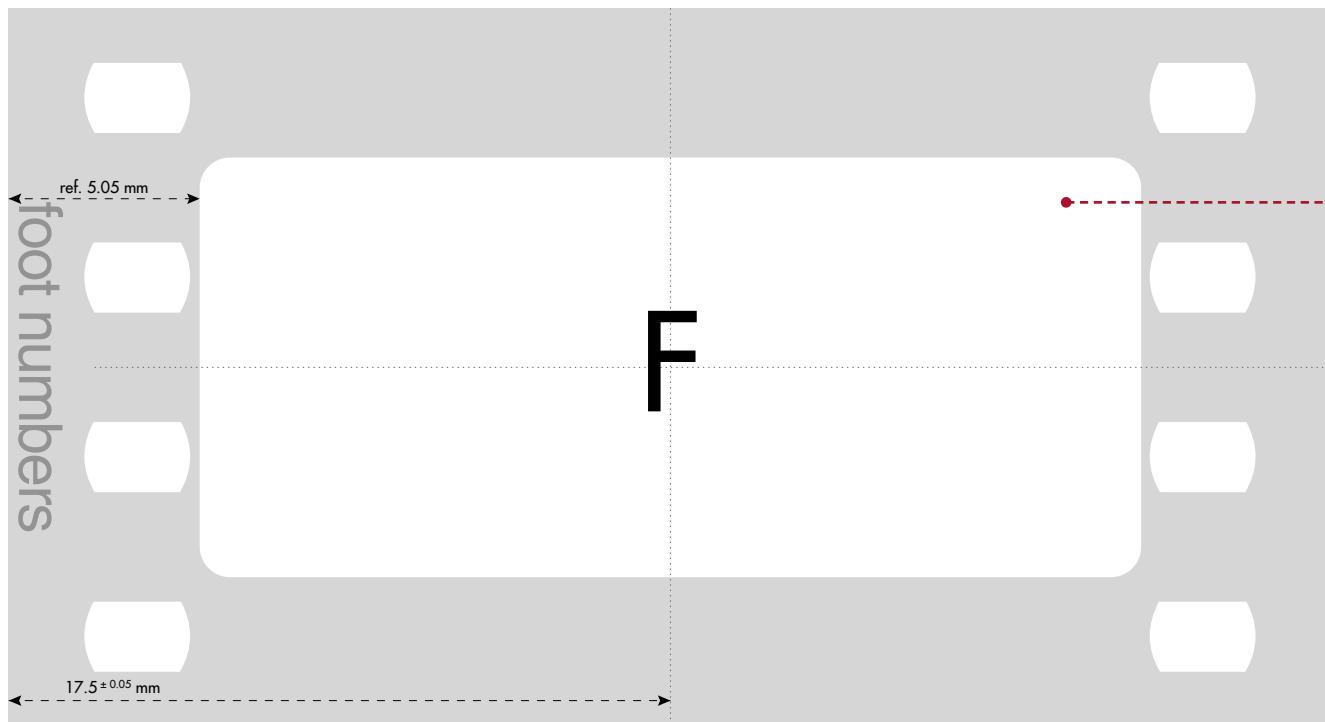
ANSI S35

Ident-Nr.

K5.59773.0



No Time Code exposure with ARRIFLEX 435/535

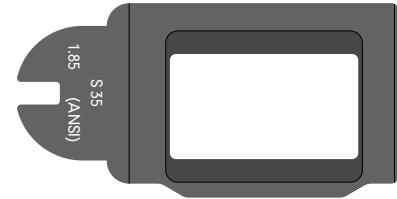


Correspondingly Exposed Negative Area

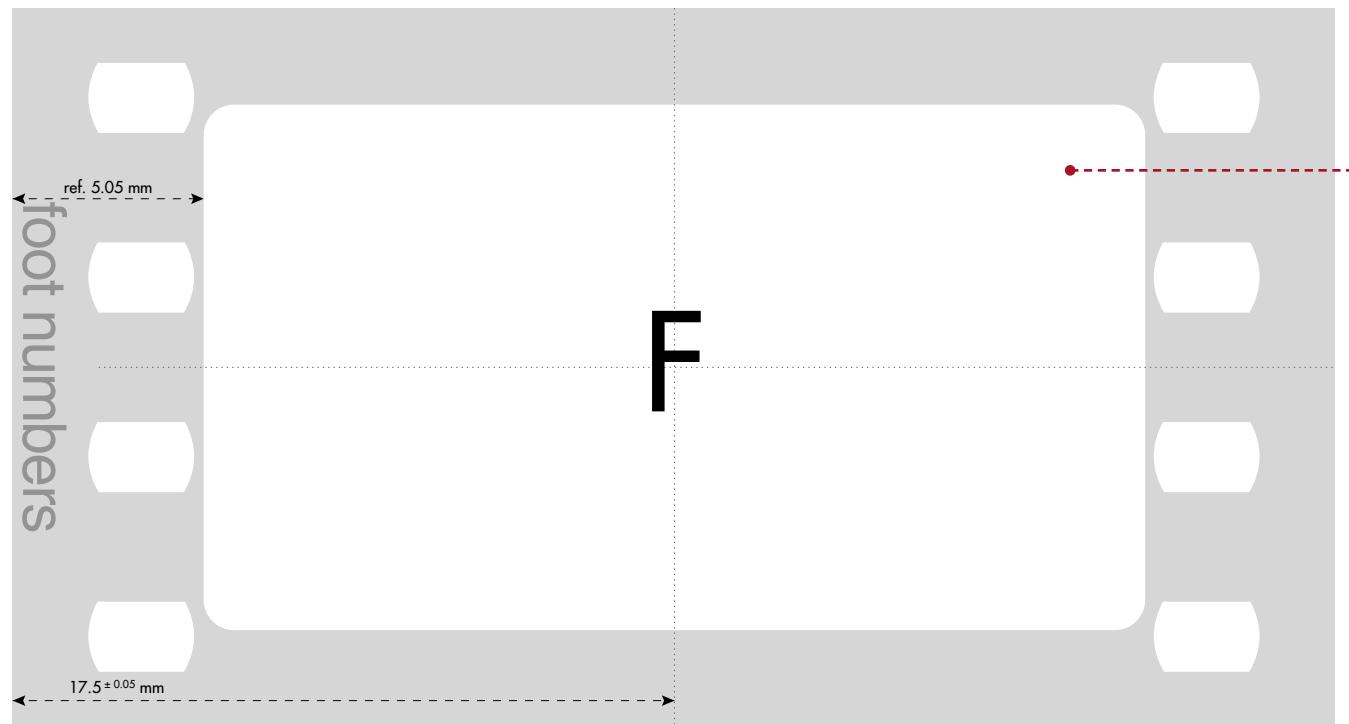
$24.9^{+0.01} \text{ mm} \times 11.1^{+0.01} \text{ mm}$ (R 0.8 mm)

1 : 2.35

Format Mask	Format	Ident-Nr.
1.85	ANSI S35	K5.59774.0



No Time Code exposure with ARRIFLEX 435/535



Correspondingly Exposed Negative Area

$24.9^{+0.01} \text{ mm} \times 13.9^{+0.01} \text{ mm}$ (R 0.8 mm)

1 : 1.85

Format Mask

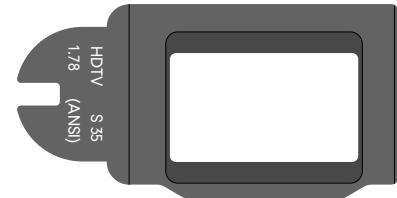
1.78

Format

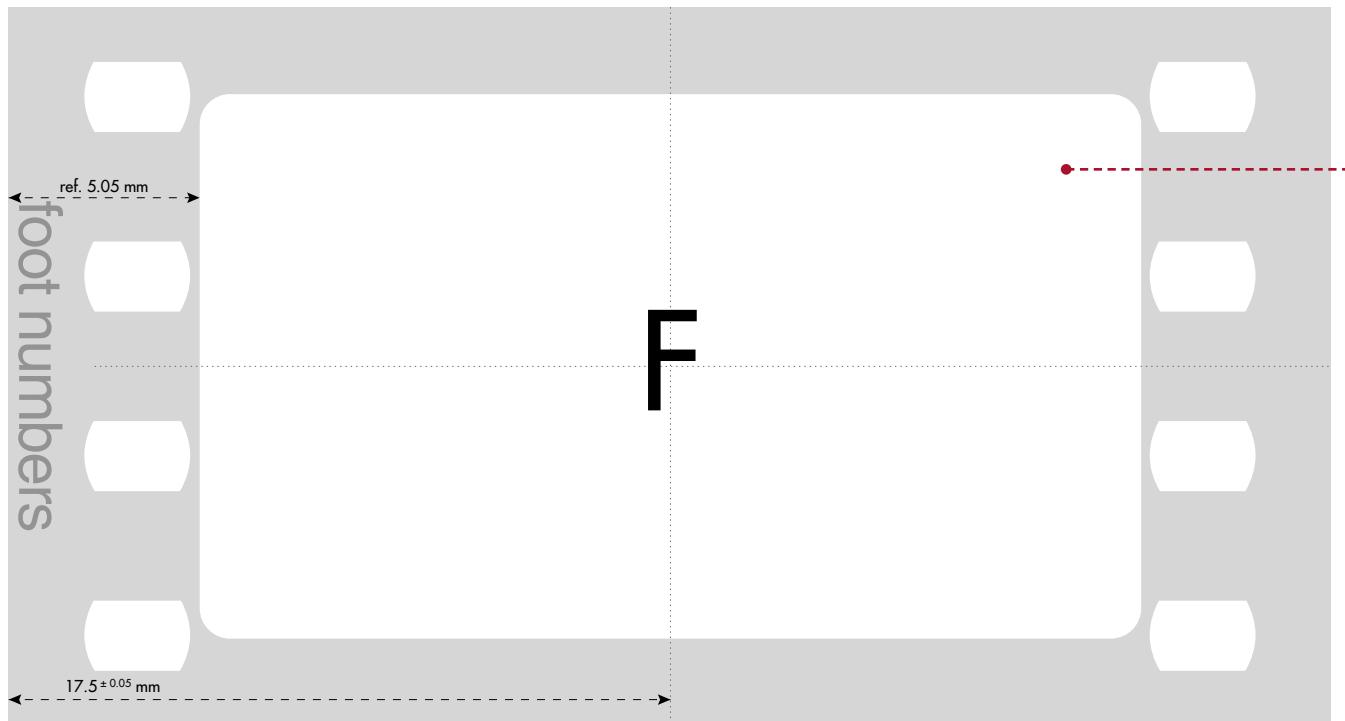
ANSI S35

Ident-Nr.

K5.59775.0



No Time Code exposure with ARRIFLEX 435/535



drawing scale 5:1

Correspondingly Exposed Negative Area

$24.9^{+0.01} \text{ mm} \times 14.4^{+0.01} \text{ mm}$ (R 0.8 mm)

1 : 1.78

© ARRI

Format Mask

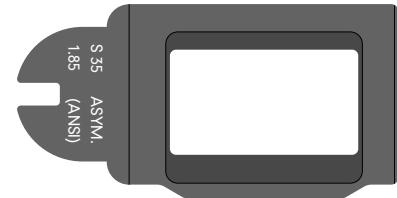
1.85 ASYM

Format

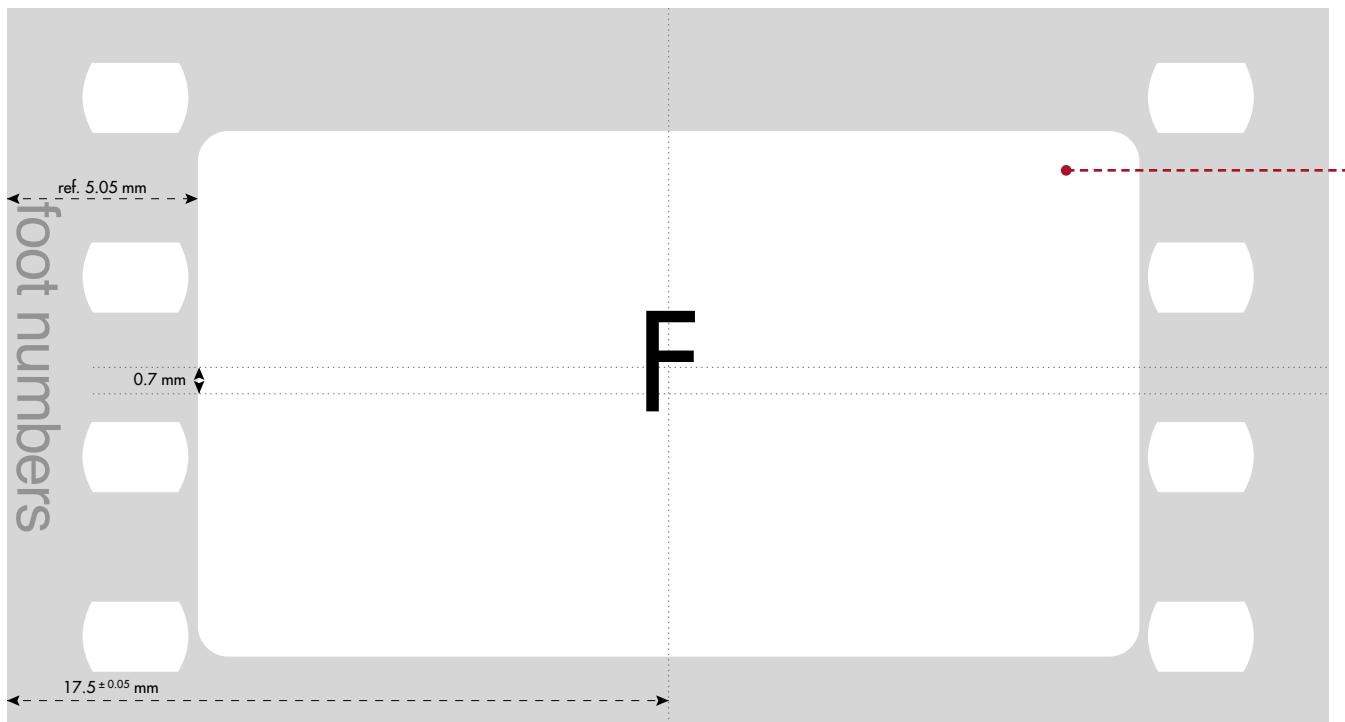
ANSI S35

Ident-Nr.

K5.59776.0



No Time Code exposure with ARRIFLEX 435/535



Correspondingly Exposed Negative Area

$24.9^{+0.01} \text{ mm} \times 13.9^{+0.01} \text{ mm}$ (R 0.8 mm)

1 : 1.85

– 0.7 mm off center

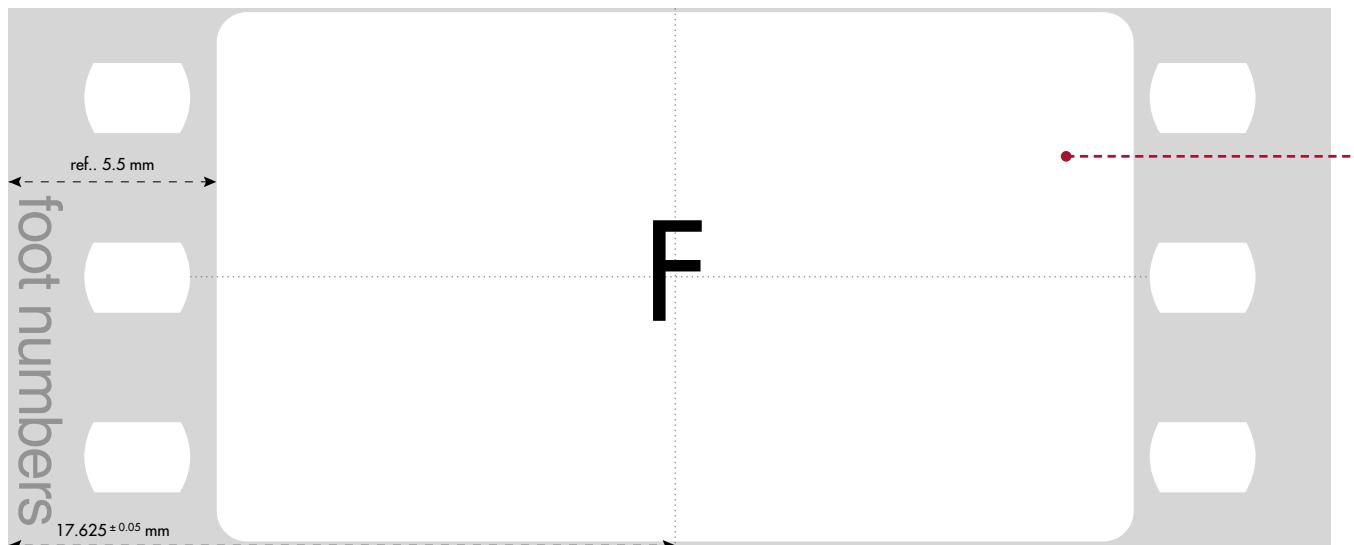
3.8 35 mm 3 Perf Movement – Exposed Negative Area

Format Mask

N35 / DIN S35 – 3 perforation aperture for ARRIFLEX 435 / 535/ 535B

Camera aperture of the ARRIFLEX 435 3 perf

or with conversion kit for ARRIFLEX 535/535B
K4.47760.0



Correspondingly Exposed Negative Area

$24.25^{+0.01} \text{ mm} \times 14^{+0.01} \text{ mm}$ (R 0.8 mm)

This format covers all 3 perforation negative areas of N35 as well as DIN S35.

Extract the required image format from the negative in post-production.

Format Mask

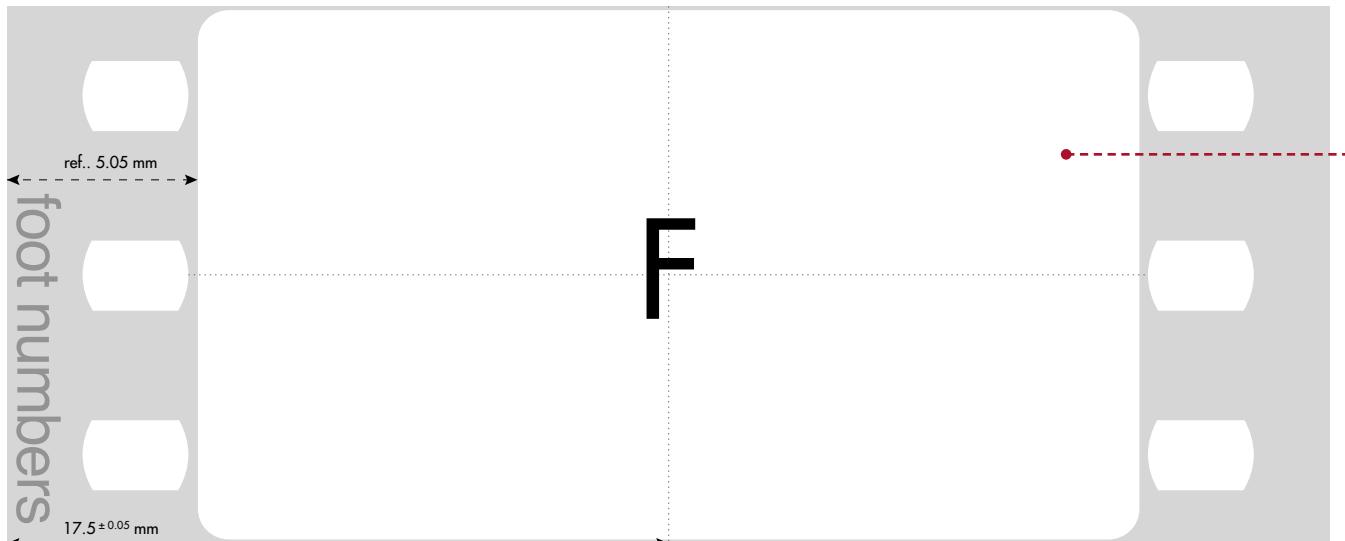
ANSI S35 – 3 perforation aperture for ARRIFLEX 435/535/535B

Camera aperture of the ARRIFLEX 435 3 perf and additional film gate for ANSI K2.47374.0

or of the ARRIFLEX 535/535B with conversion kit K4.47760.0 and additional film gate for ANSI K2.47375.0



No Time Code exposure with ARRIFLEX 435/535



Correspondingly Exposed Negative Area

$24.9^{+0.01} \text{ mm} \times 14^{+0.01} \text{ mm (R } 0.8 \text{ mm)}$

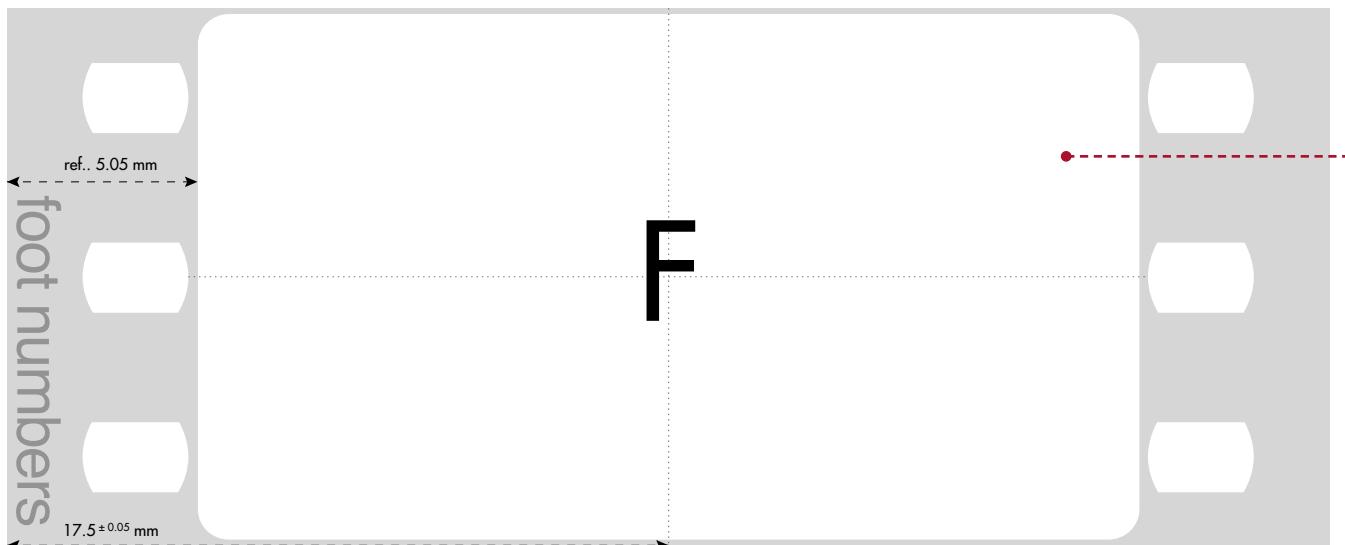
This format covers all 3 perforation negative areas of N35, DIN S35 as well as ANSI S35.

Extract the required image format from the negative in post-production.

Format Mask

ANSI S35 – 3 perforation aperture for ARRICAM ST and LT

Camera aperture of the ARRICAM ST and LT
with conversion kit K2.54165.0



Correspondingly Exposed Negative Area

$24.9^{+0.01} \text{ mm} \times 13.9^{+0.01} \text{ mm}$ (R 0.8 mm)

This format covers all 3 perforation negative areas of N35, DIN S35 as well as ANSI S35.

Extract the required image format from the negative in post-production.

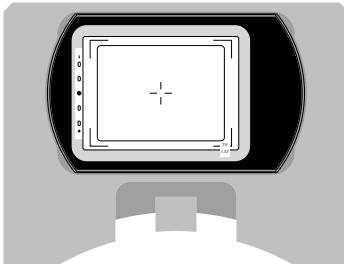
4. 16 mm

4.1 16 mm Ground Glass Template for ARRIFLEX 16SR 3 (and Advanced Models)

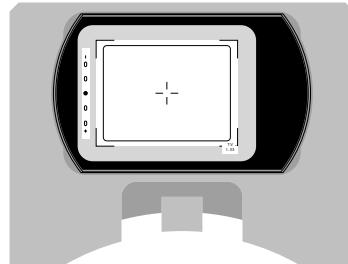


The ground glasses for the ARRIFLEX 16SR 3, HS and Advanced are basically identical with the ground glasses for the ARRIFLEX 16SR 3 and HS, but they do not show the markings for the exposure meter – see sample on bottom right side.

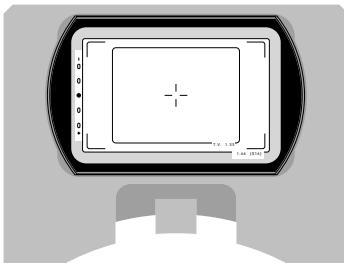
1.37 - TV 1.33 N16
K4.47386.0 (K4.48012.0)



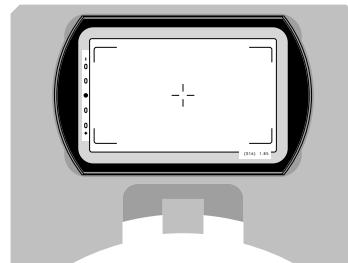
TV 1.33 N16
K2.47173.0 (K2.47353.0)



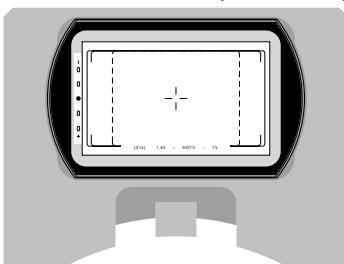
1.66 (S16) - TV 1.33 S16
K2.47210.0 (K2.47356.0)



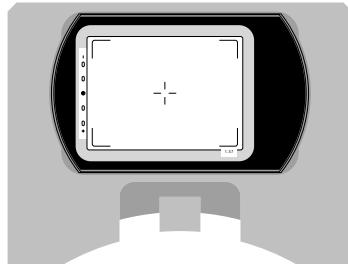
1.85 (S16) S16
K2.47211.0 (K2.47357.0)



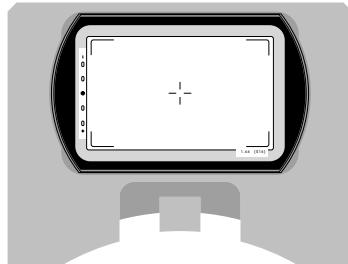
1.66/1.85 (S16) - TV 1.33/1.78 S16
K2.47214.0 (K2.47360.0)



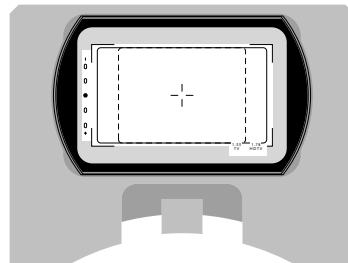
1.37 N16
K2.47174.0 (K2.47354.0)



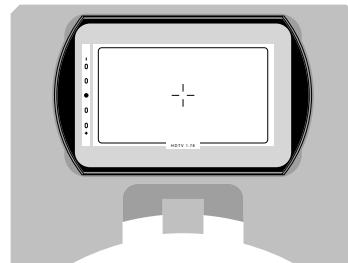
1.66 (S16) S16
K2.47209.0 (K2.47355.0)



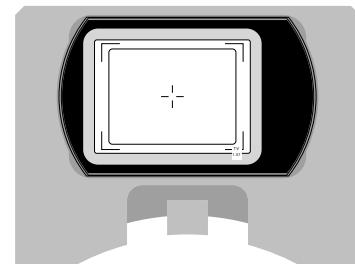
TV 1.78 - TV 1.33 S16
K2.47213.0 (K2.47358.0)



TV 1.78 S16
K2.47034.0 (K2.47359.0)

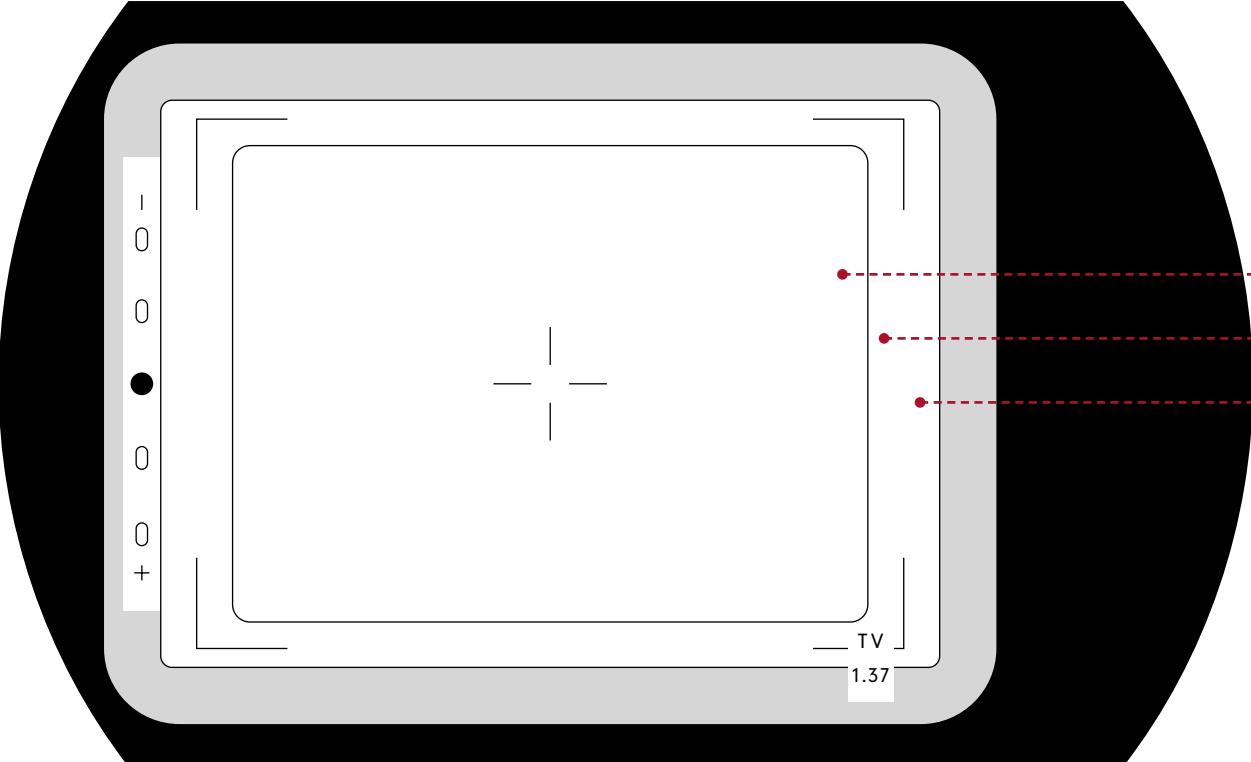


Normal Typeface = ARRIFLEX 16SR 3 Ground Glass
(Italic Typeface = ARRIFLEX 16SR 3 Advanced Ground Glass)



Sample for ground glass
ARRIFLEX 16SR 3
Advanced

4.2 16 mm Ground Glass Drawings

Ground Glass Drawing	Format	Ident-Nr.	
1.37 - TV 1.33	N16	K4.47386.0	for ARRIFLEX 16 SR 3
		K4.48012.0	for ARRIFLEX 16 SR 3 Advanced
Correspondingly Exposed Negative Area			
			$10.3^{+0.05} \text{ mm} \times 7.5^{+0.015} \text{ mm}$
Ground Glass Marking Dimensions			
			
<p>$8.4^{+0.02} \text{ mm} \times 6.3^{+0.02} \text{ mm}$ TV safe action 4:3</p> <p>$9.35^{+0.02} \text{ mm} \times 7^{+0.1} \text{ mm}$ TV transmitted 4:3</p> <p>$10.3^{+0.05} \text{ mm} \times 7.5^{+0.05} \text{ mm}$ camera aperture</p>			
<p><i>The ground glasses for the ARRIFLEX 16SR 3 (and HS) Advanced are basically identical with the ground glasses for the ARRIFLEX 16S 3 (and HS), but they do not show the markings for the exposure meter.</i></p>			

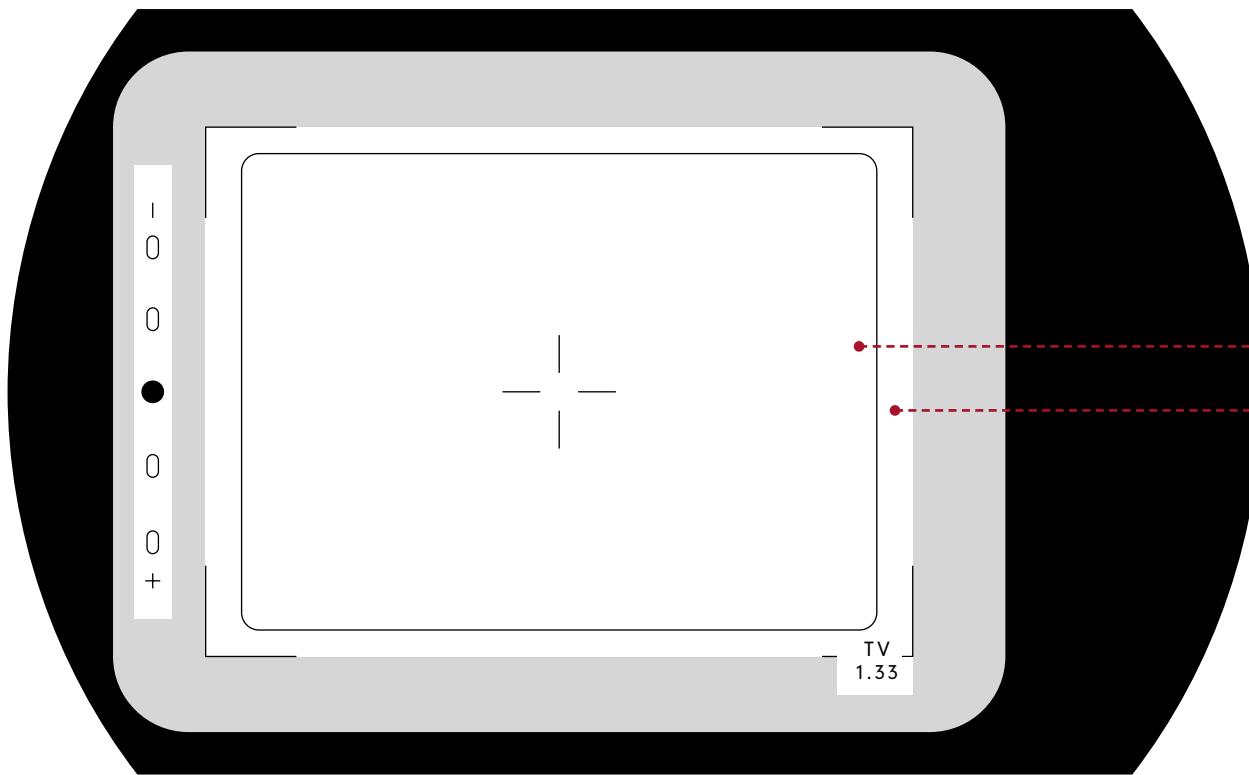
drawing scale 10:1

Ground Glass Drawing	Format	Ident-Nr.	
TV 1.33	N16	K2.47173.0	for ARRIFLEX 16 SR 3
		K2.47353.0	for ARRIFLEX 16 SR 3 Advanced

Correspondingly Exposed Negative Area



$10.3^{+0.05} \text{ mm} \times 7.5^{+0.015} \text{ mm}$



Ground Glass Marking Dimensions

$8.4^{+0.02} \text{ mm} \times 6.3^{+0.02} \text{ mm}$ TV safe action 4:3
 $9.35^{+0.02} \text{ mm} \times 7^{+0.1} \text{ mm}$ transmitted area 4:3

The ground glasses for the ARRIFLEX 16SR 3 (and HS) Advanced are basically identical with the ground glasses for the ARRIFLEX 16SR 3 (and HS), but they do not show the markings for the exposure meter.

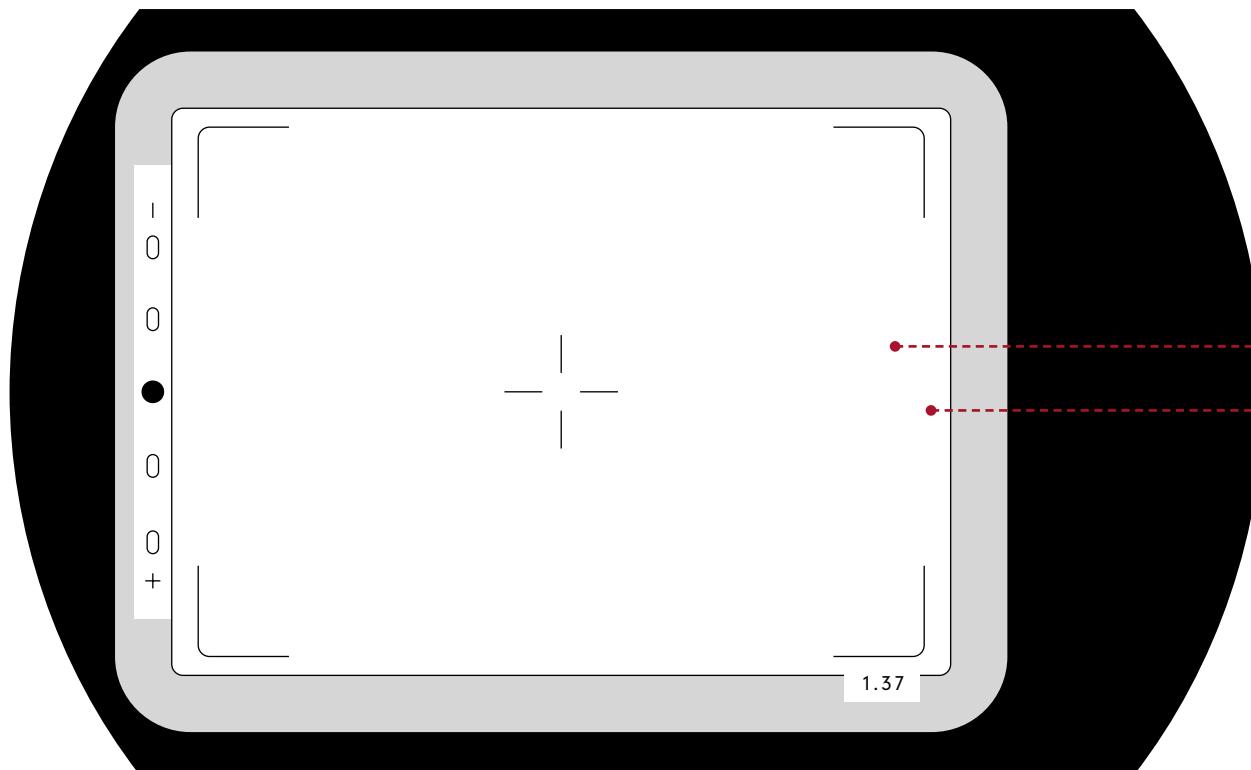
Ground Glass Drawing
1.37
Format
N16
Ident-Nr.
K2.47174.0

for ARRIFLEX 16 SR 3

K2.47354.0

for ARRIFLEX 16 SR 3 Advanced

Correspondingly Exposed Negative Area

 $10.3^{+0.05} \text{ mm} \times 7.5^{+0.015} \text{ mm}$

Ground Glass Marking Dimensions

$9.6^{+0.05} \text{ mm} \times 7^{+0.05} \text{ mm}$ projected area
 $10.3^{+0.05} \text{ mm} \times 7.5^{+0.05} \text{ mm}$ camera aperture

The ground glasses for the ARRIFLEX 16SR 3 (and HS) Advanced are basically identical with the ground glasses for the ARRIFLEX 16SR 3 (and HS), but they do not show the markings for the exposure meter.

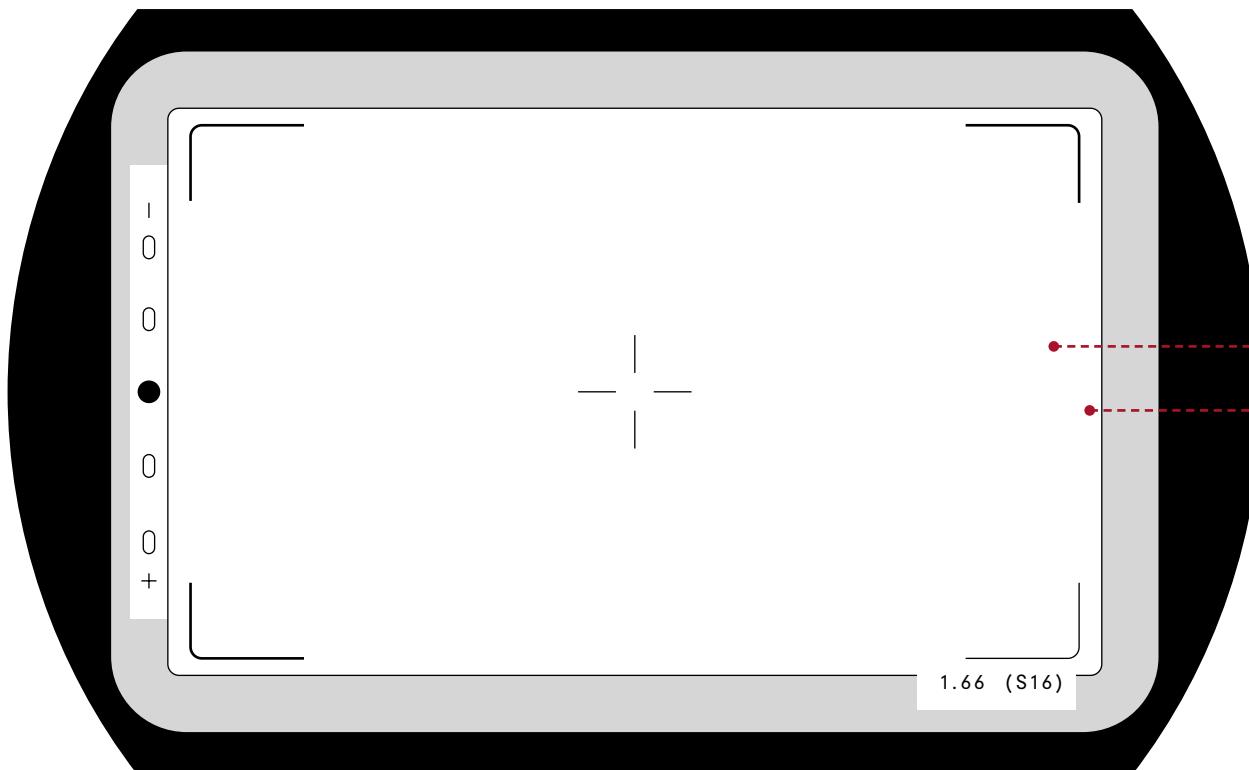
Ground Glass Drawing
Format
Ident-Nr.
1.66 (S16)
S16
K2.47209.0

for ARRIFLEX 16 SR 3

K2.47355.0

for ARRIFLEX 16 SR 3 Advanced

Correspondingly Exposed Negative Area

 $12.35^{+0.02} \text{ mm} \times 7.5^{+0.015} \text{ mm}$


drawing scale 10:1

Ground Glass Marking Dimensions
 $11.75^{+0.05} \text{ mm} \times 7.05^{+0.05} \text{ mm}$ projected area

 $12.35^{+0.05} \text{ mm} \times 7.5^{+0.05} \text{ mm}$ camera aperture

The ground glasses for the ARRIFLEX 16SR 3 (and HS) Advanced are basically identical with the ground glasses for the ARRIFLEX 16SR 3 (and HS), but they do not show the markings for the exposure meter.

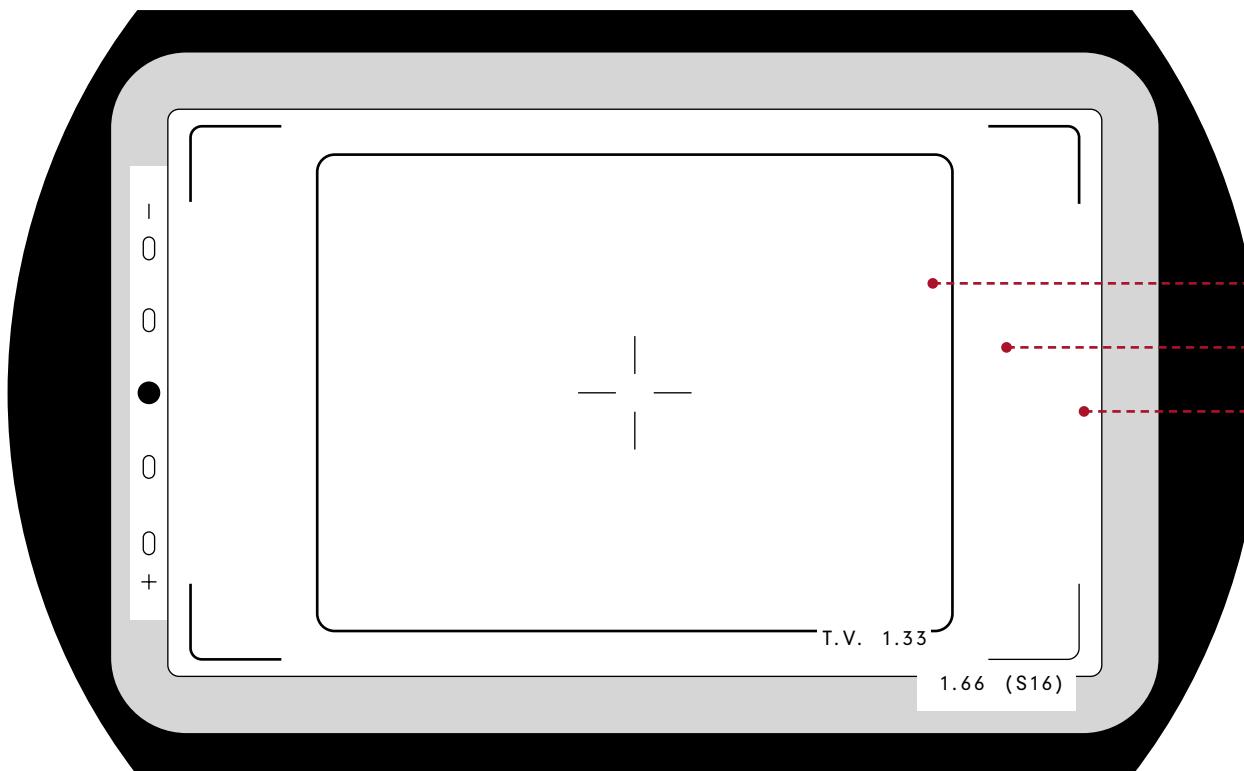
Ground Glass Drawing
1.66 (S16) - TV 1.33
Format
S16
Ident-Nr.
K2.47210.0

for ARRIFLEX 16 SR 3

K2.47356.0

for ARRIFLEX 16 SR 3 Advanced

Correspondingly Exposed Negative Area

 $12.35^{+0.02} \text{ mm} \times 7.5^{+0.015} \text{ mm}$

Ground Glass Marking Dimensions
 $8.4^{+0.02} \text{ mm} \times 6.3^{+0.02} \text{ mm}$ TV safe action 4:3

 $11.75^{+0.05} \text{ mm} \times 7.05^{+0.1} \text{ mm}$ projected area

 $12.35^{+0.05} \text{ mm} \times 7.5^{+0.05} \text{ mm}$ camera aperture

The ground glasses for the ARRIFLEX 16SR 3 (and HS) Advanced are basically identical with the ground glasses for the ARRIFLEX 16SR 3 (and HS), but they do not show the markings for the exposure meter.

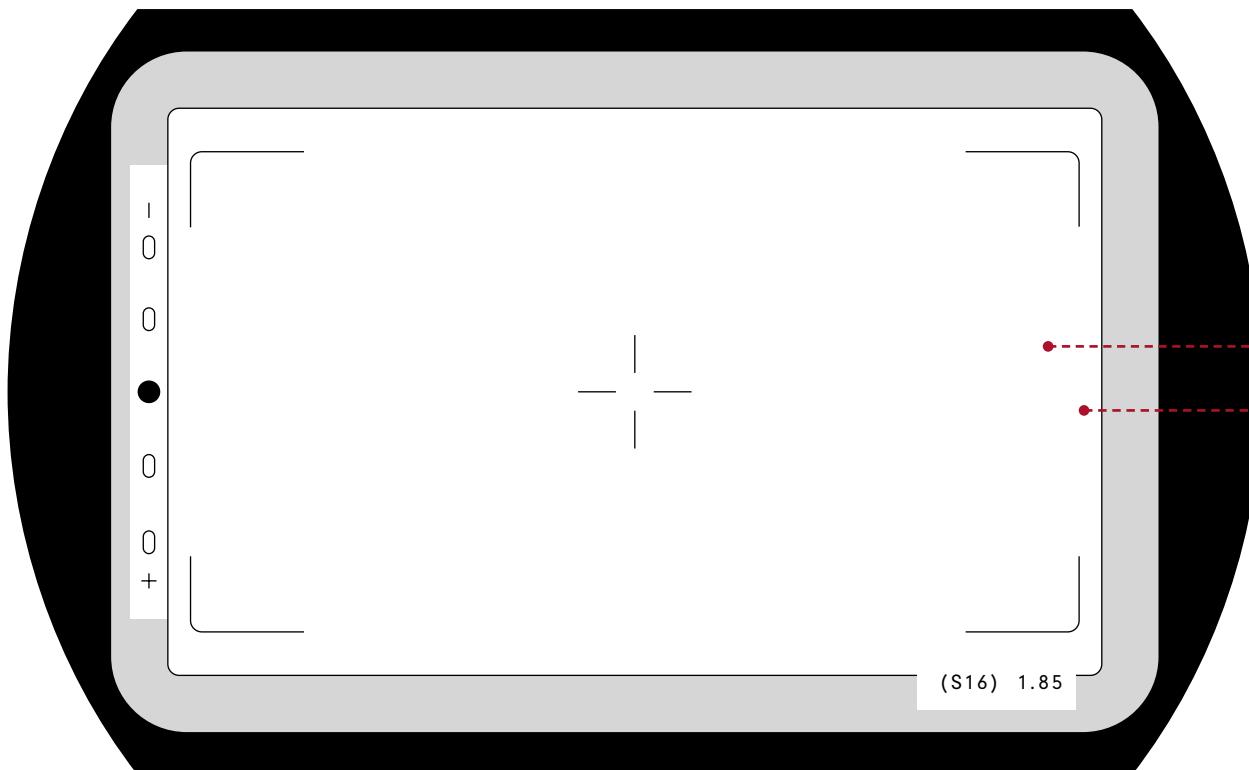
Ground Glass Drawing
1.85 (S16)
Format
S16
Ident-Nr.
K2.47211.0

for ARRIFLEX 16 SR 3

K2.47357.0

for ARRIFLEX 16 SR 3 Advanced

Correspondingly Exposed Negative Area

 $12.35^{+0.02} \text{ mm} \times 7.5^{+0.015} \text{ mm}$

Ground Glass Marking Dimensions
 $11.75^{+0.05} \text{ mm} \times 6.35^{+0.1} \text{ mm}$ projected area

 $12.35^{+0.05} \text{ mm} \times 7.5^{+0.05} \text{ mm}$ camera aperture

The ground glasses for the ARRIFLEX 16SR 3 (and HS) Advanced are basically identical with the ground glasses for the ARRIFLEX 16SR 3 (and HS), but they do not show the markings for the exposure meter.

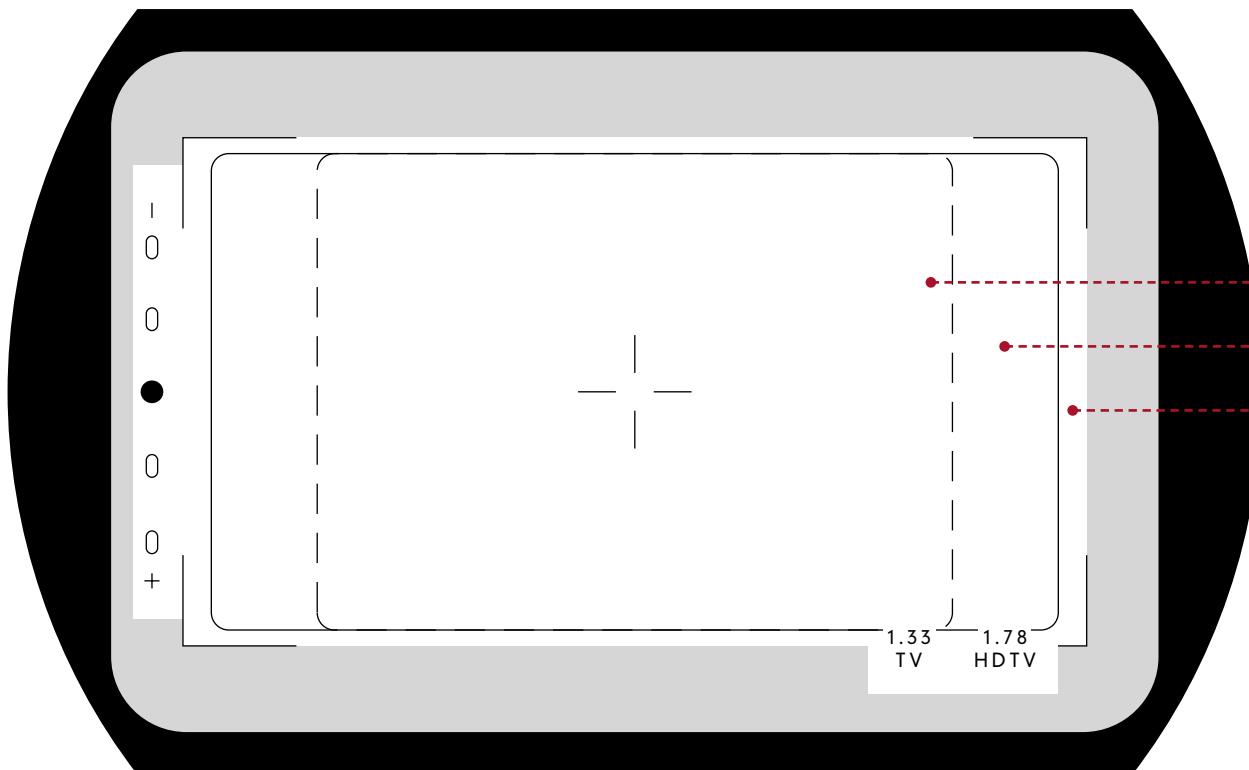
Ground Glass Drawing
TV 1.78 - TV 1.33
Format
S16
Ident-Nr.
K2.47213.0

for ARRIFLEX 16 SR 3

K2.47358.0

for ARRIFLEX 16 SR 3 Advanced

Correspondingly Exposed Negative Area

 $12.35^{+0.02} \text{ mm} \times 7.5^{+0.015} \text{ mm}$

Ground Glass Marking Dimensions

- | | |
|---|-----------------------|
| $8.4^{+0.05} \text{ mm} \times 6.3^{+0.05} \text{ mm}$ | TV safe action 4:3 |
| $11.2^{+0.05} \text{ mm} \times 6.3^{+0.05} \text{ mm}$ | TV safe action 16:9 |
| $11.95^{+0.05} \text{ mm} \times 6.72^{+0.05} \text{ mm}$ | transmitted area 16:9 |

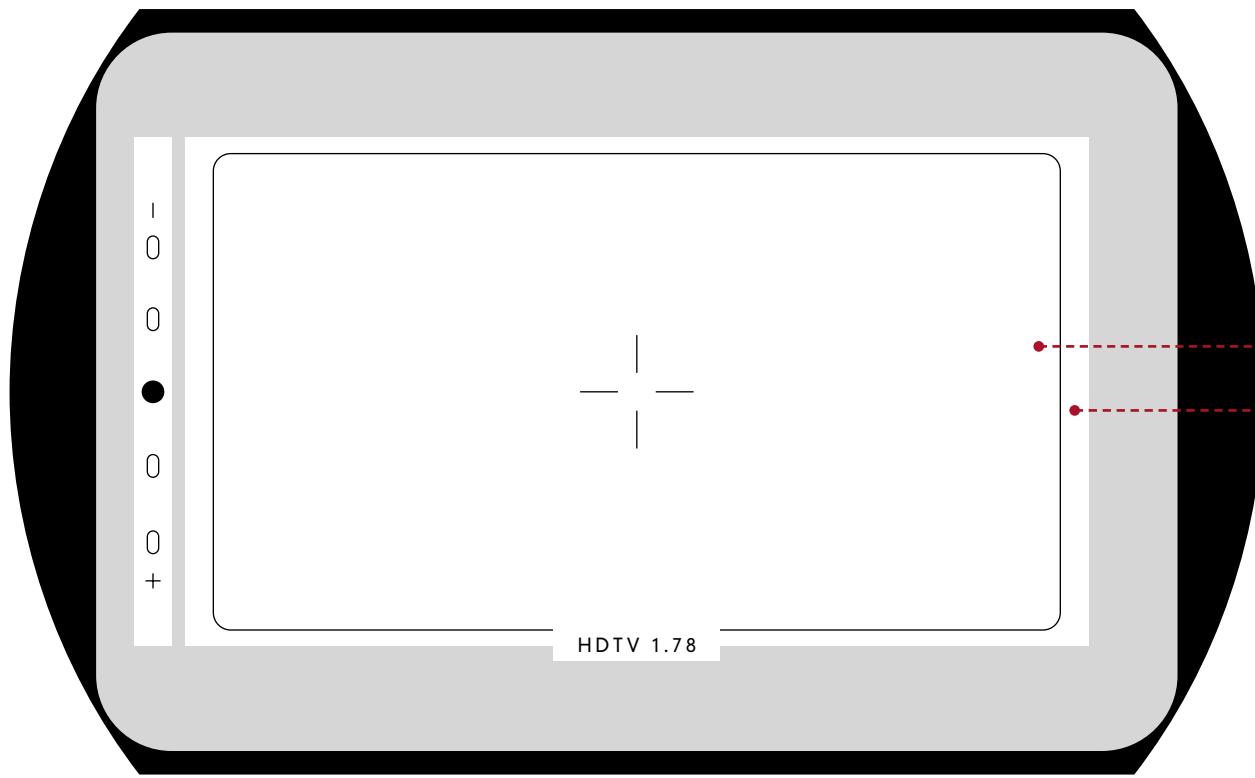
The ground glasses for the ARRIFLEX 16SR 3 (and HS) Advanced are basically identical with the ground glasses for the ARRIFLEX 16SR 3 (and HS), but they do not show the markings for the exposure meter.

Ground Glass Drawing	Format	Ident-Nr.	
TV 1.78	S16	K2.47034.0	for ARRIFLEX 16 SR 3
		K2.47359.0	for ARRIFLEX 16 SR 3 Advanced

Correspondingly Exposed Negative Area



$12.35^{+0.02} \text{ mm} \times 7.5^{+0.015} \text{ mm}$



Ground Glass Marking Dimensions

$11.2^{+0.05} \text{ mm} \times 6.3^{+0.05} \text{ mm}$ TV safe action 16:9
 $11.95^{+0.05} \text{ mm} \times 6.72^{+0.05} \text{ mm}$ transmitted area 16:9

The ground glasses for the ARRIFLEX 16SR 3 (and HS) Advanced are basically identical with the ground glasses for the ARRIFLEX 16SR 3 (and HS), but they do not show the markings for the exposure meter.

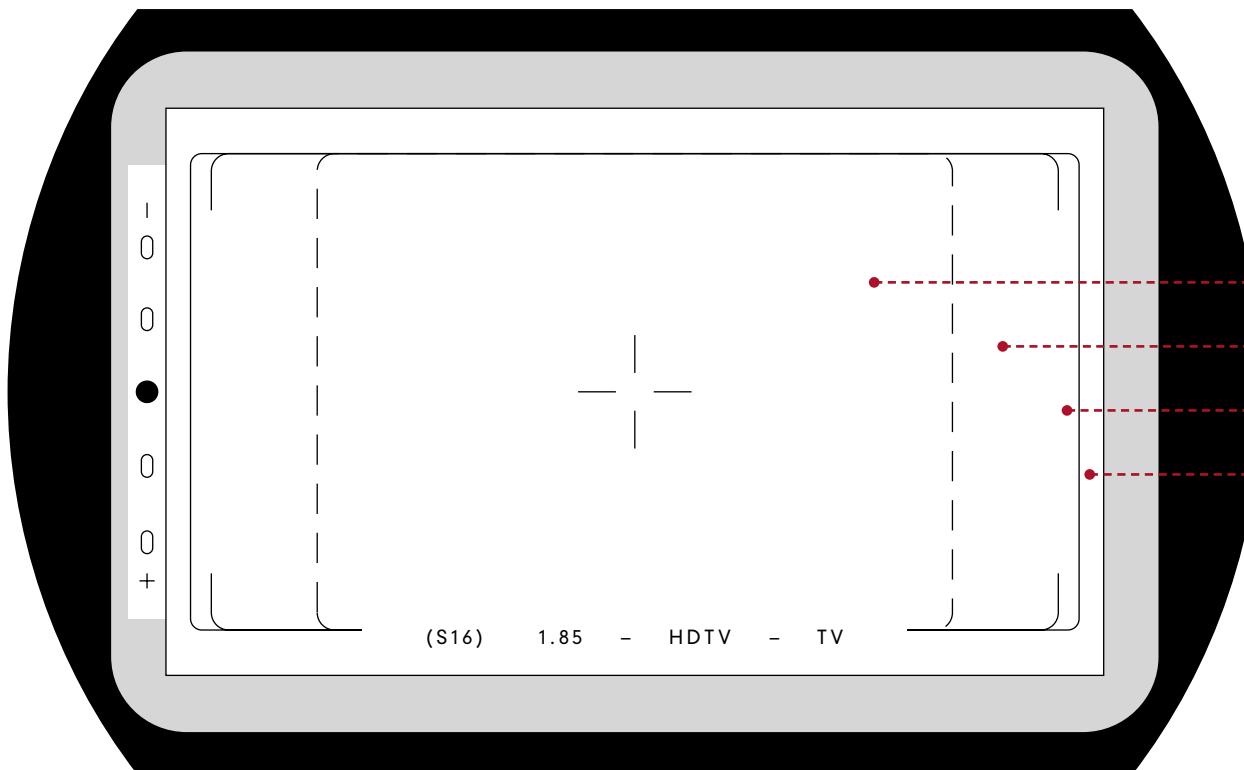
Ground Glass Drawing
1.66/1.85 (S16) - TV 1.33/1.78
Format
S16
Ident-Nr.
K2.47214.0

for ARRIFLEX 16 SR 3

K2.47360.0

for ARRIFLEX 16 SR 3 Advanced

Correspondingly Exposed Negative Area

 $12.35^{+0.02} \text{ mm} \times 7.5^{+0.015} \text{ mm}$

Ground Glass Marking Dimensions
 $8.4^{+0.05} \text{ mm} \times 6.3^{+0.05} \text{ mm}$ TV safe action 4:3

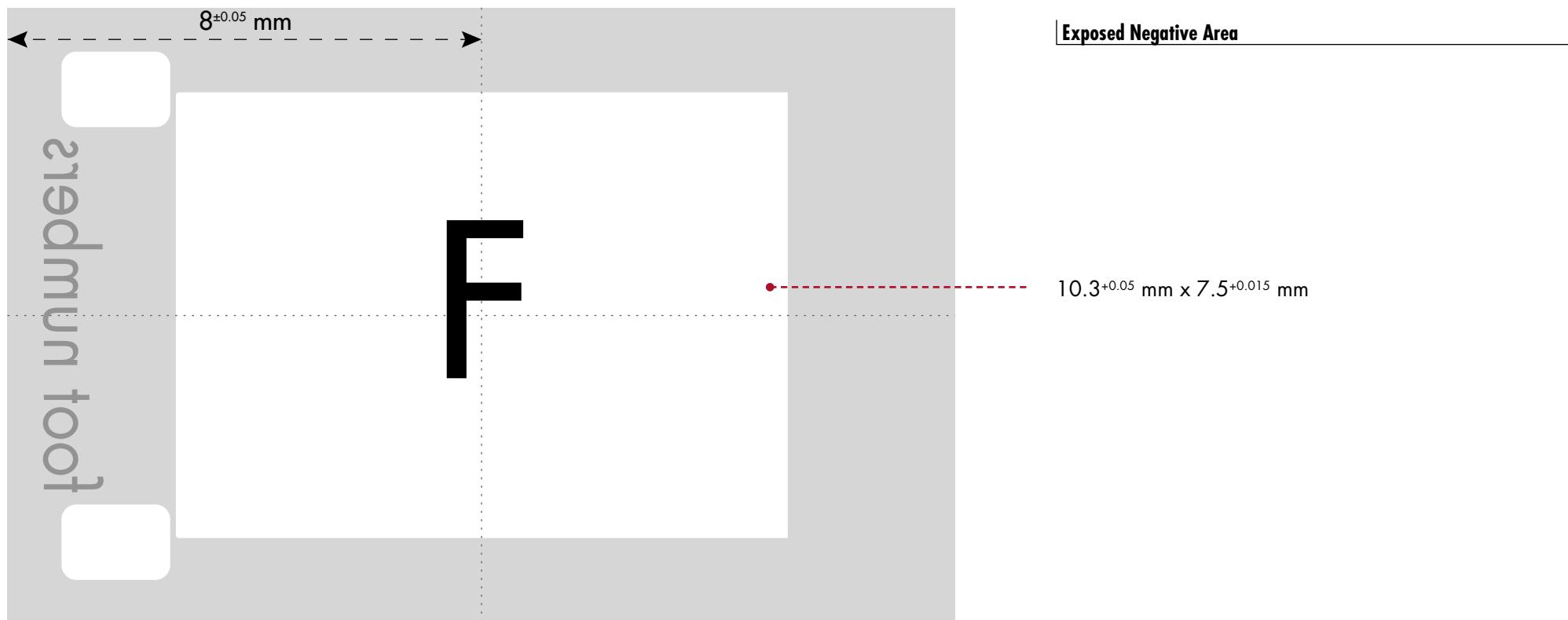
 $11.2^{+0.05} \text{ mm} \times 6.3^{+0.05} \text{ mm}$ TV safe action 16:9

 $11.75^{+0.05} \text{ mm} \times 6.3^{+0.05} \text{ mm}$ projected area

 $12.4^{-0.05} \text{ mm} \times 7.5^{+0.05} \text{ mm}$ camera aperture

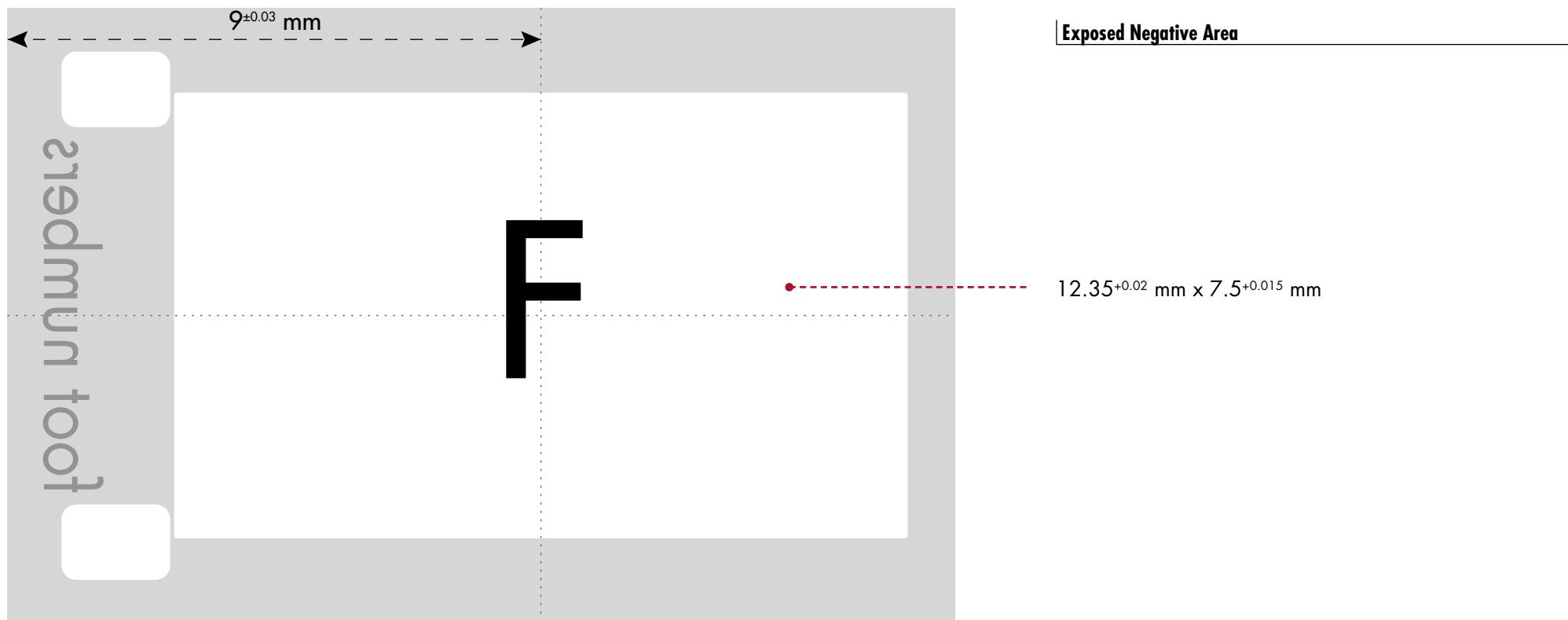
Line at 7.05 mm not shown for better readability

The ground glasses for the ARRIFLEX 16SR 3 (and HS) Advanced are basically identical with the ground glasses for the ARRIFLEX 16SR 3 (and HS), but they do not show the markings for the exposure meter.



drawing scale 10:1

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5. ARRI Service



Germany

Arnold & Richter Cine Technik
Türkenstraße 89
D-80799 München
phone (089) 3809-0
fax (089) 3809-1244
E-mail: webmaster@arri.de

USA

ARRI Inc.
(East Coast)
617, Route 303
Blauvelt, New York 10913
phone (845) 353 14 00
fax (845) 425 12 50
E-mail: arriflex@arri.com

(West Coast)
600 North Victory Blvd.
Burbank, California 91502
phone (818) 841 70 70
fax (818) 848 40 28
E-mail: arriflex@arri.com

GB

ARRI (GB) Ltd.
2 Highbridge
Oxford Road
Uxbridge
Middlesex, UB8 1LX
phone (0) 1895 457 000
fax (0) 1895 457 001
E-mail: sales@arri-gb.com

Italy

ARRI ITALIA S.r.l.
Viale Edison 318
20099 Sesto S. Giovanni (Milano)
phone (02) 26 22 71 75
fax (02) 242 16 92
E-mail: info@arri.it

Via Placanica, 97
00040 Morena (Roma)
phone (06) 79 89 02 1
fax (06) 79 89 02 206

Canada

ARRI Canada Ltd.
415 Horner Avenue, Unit 11
Etobicoke, Ontario
Canada M8W 4W3
phone (416) 255 33 35
fax (416) 255 33 99
E-mail: service@arricam.com

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