

reframing photography

THE CAMERA & LIGHT

digital

cameras



SLR
film camera



DSLR



Point-and-shoot /
compact digital camera



image quality,
resolution,
& file format

QUALITY:

2000x1500

560x300

100x72

JPEG – Large

JPEG - Medium

JPEG - Small

RAW



Image quality	Storage size	Print size
High or large <i>resolution</i> (more pixels)	Bigger file size (fewer images on card)	Larger prints
Low or small <i>resolution</i> (fewer pixels)	Smaller file size (more images on card)	Smaller prints

<u>Number of pixels</u>	<u>Print size</u>
-1 megapixel	Web or email quality
1 mp	4 x 6"
2 mp	5 x 7"
3 mp	8 x 10"
4 mp	11 x 14"
5 mp	16 x 20"



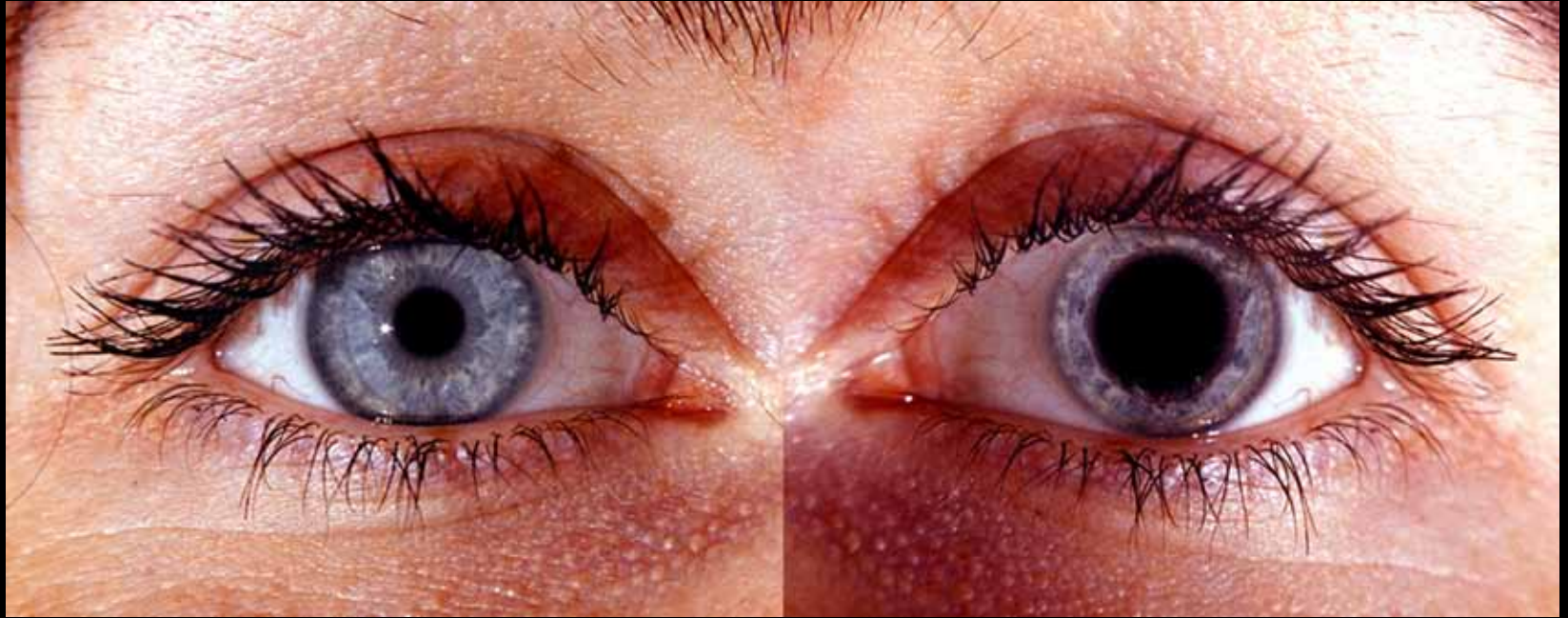
on a DSLR,
set the color
space



the

aperture









(5) shutter release button

(6) ISO button

(7) power switch

(8) shooting mode dial

(9) hotshoe bracket



the aperture

&

depth of field



f/22

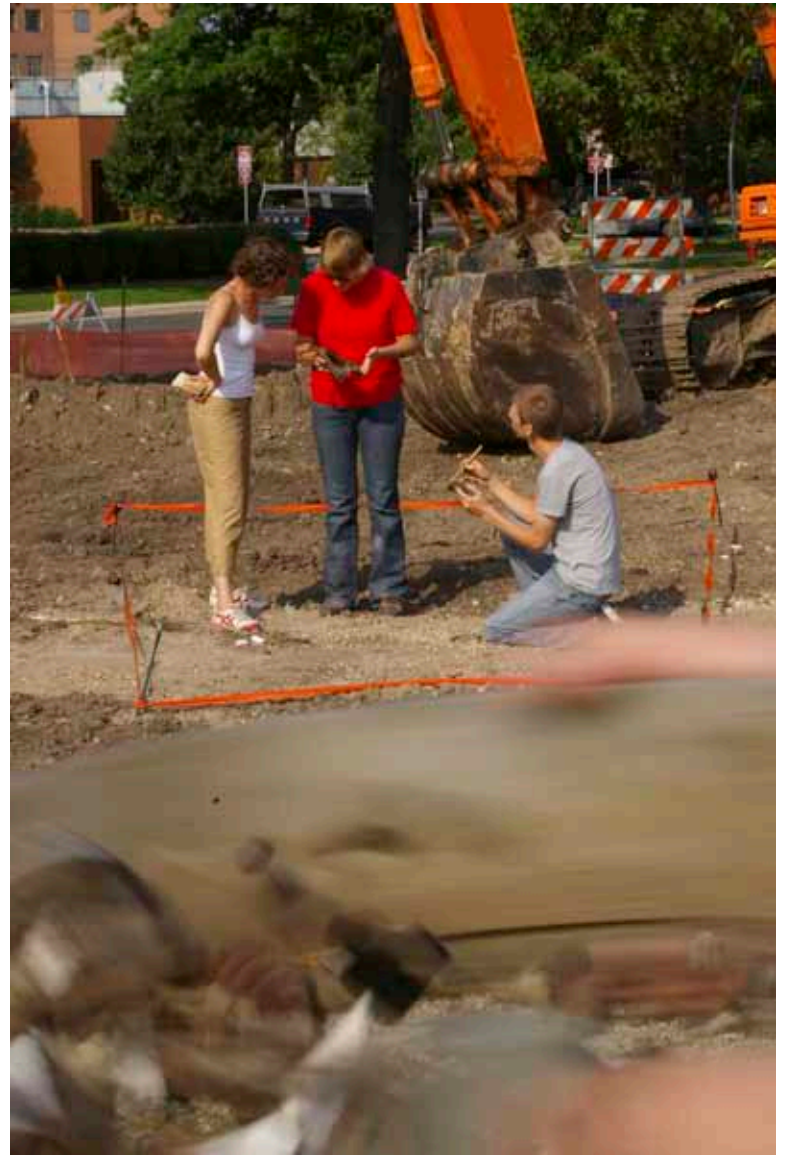


f/2.8





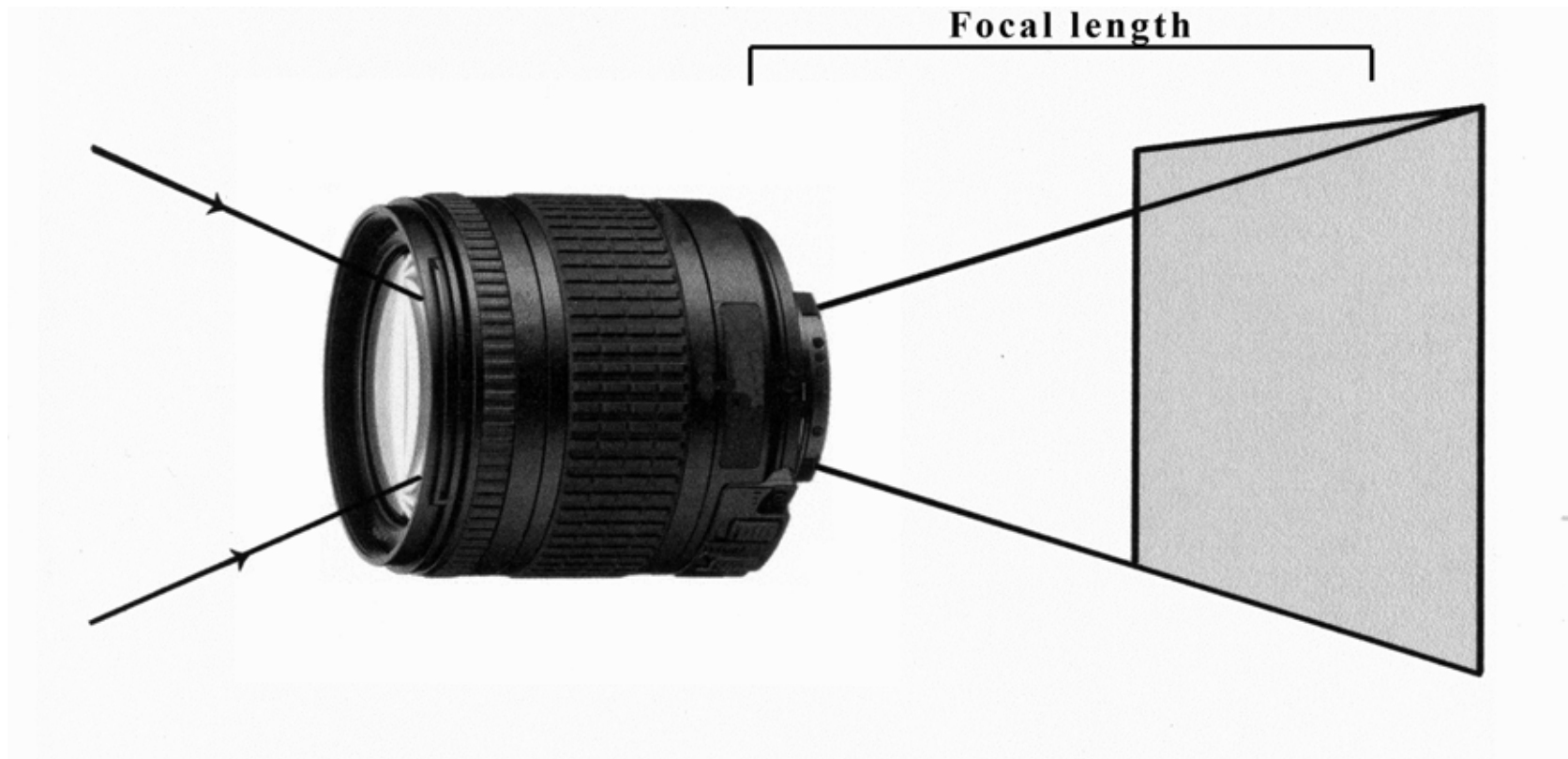




focal length

&

perspective



Focal length is the distance from the rear of the lens to the image it forms on the focal plane, where the lens is focused at infinity.



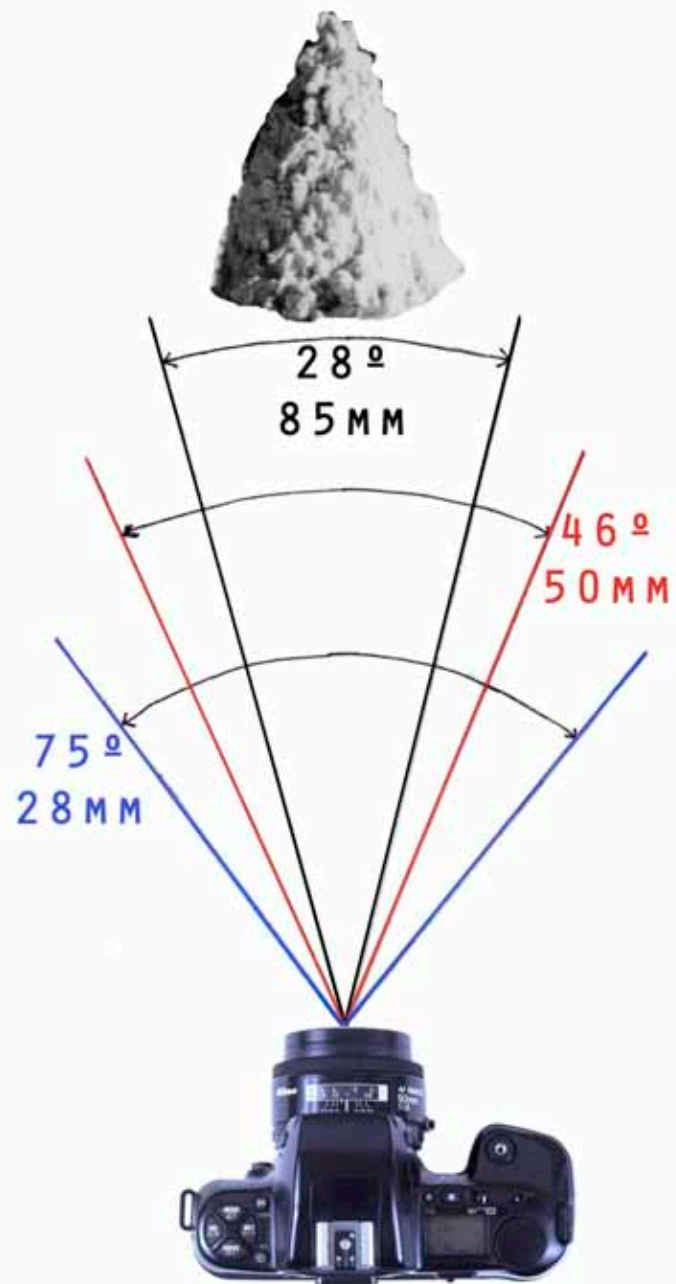


Focal length is measured in millimeters. For example, the normal focal length for a 35mm camera is 50mm.









Focal length determines the lens' s angle of view and magnification



28mm



50mm



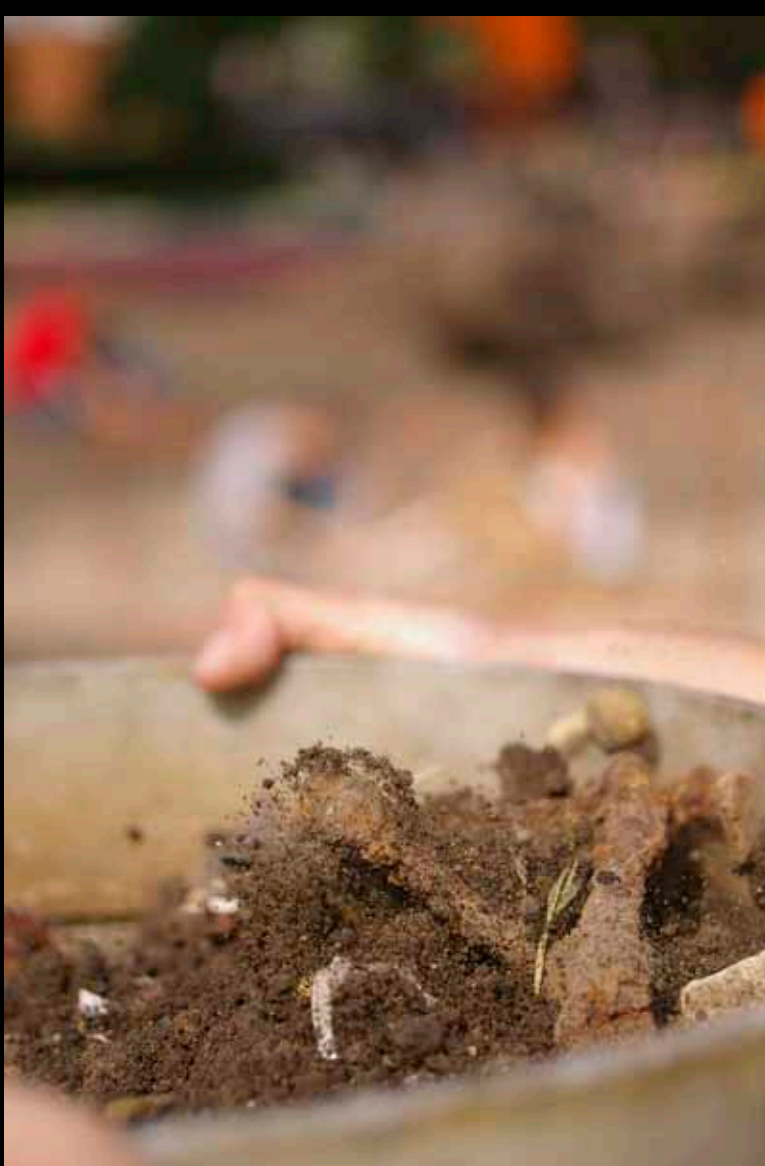
80mm



focus



depth of field



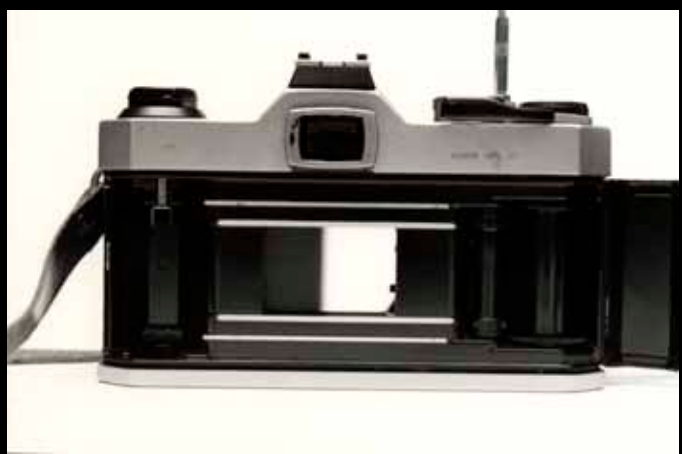
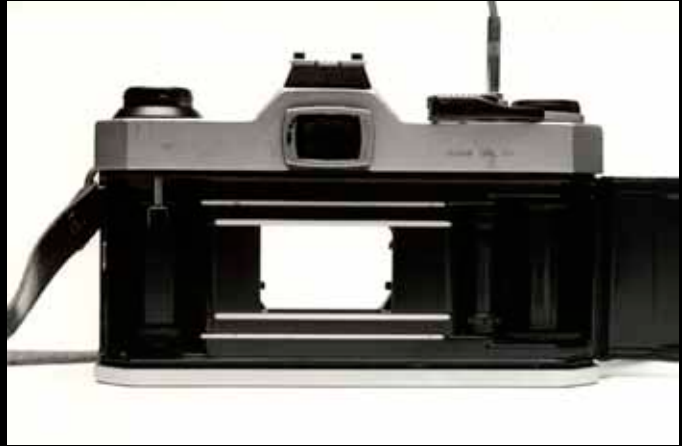
1. Aperture size (large aperture, shallow depth of field; small aperture, wider depth of field)
2. Length of lens (longer lens, shallower depth of field; wider lens, wider depth of field)
3. Subject distance (focused subject closer to lens, shallower depth of field; subject in the distance, wider depth of field)



the shutter

&

motion

















shutter speed



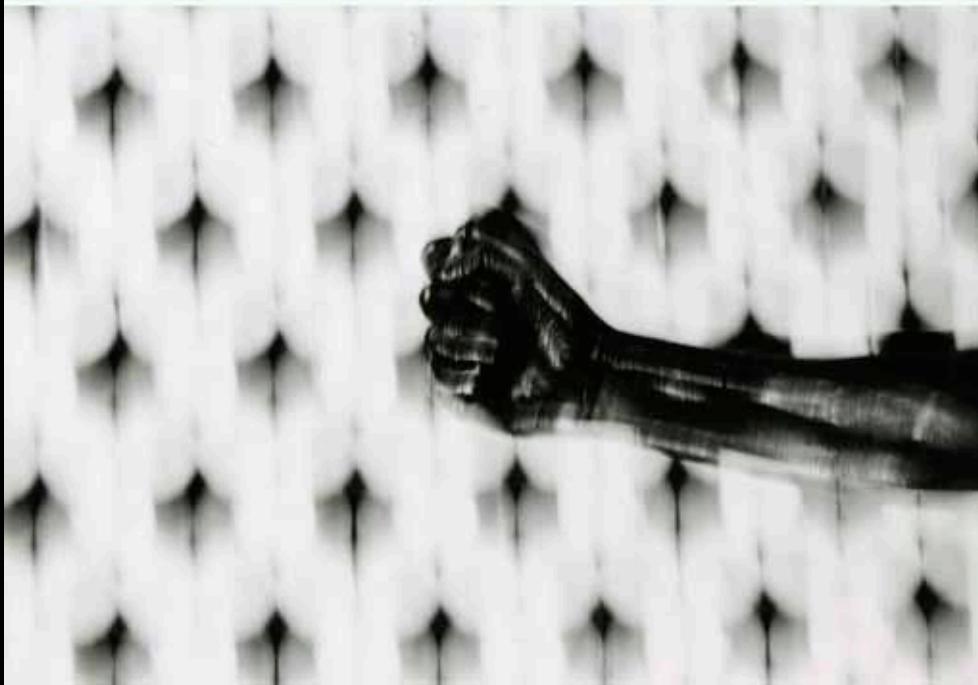
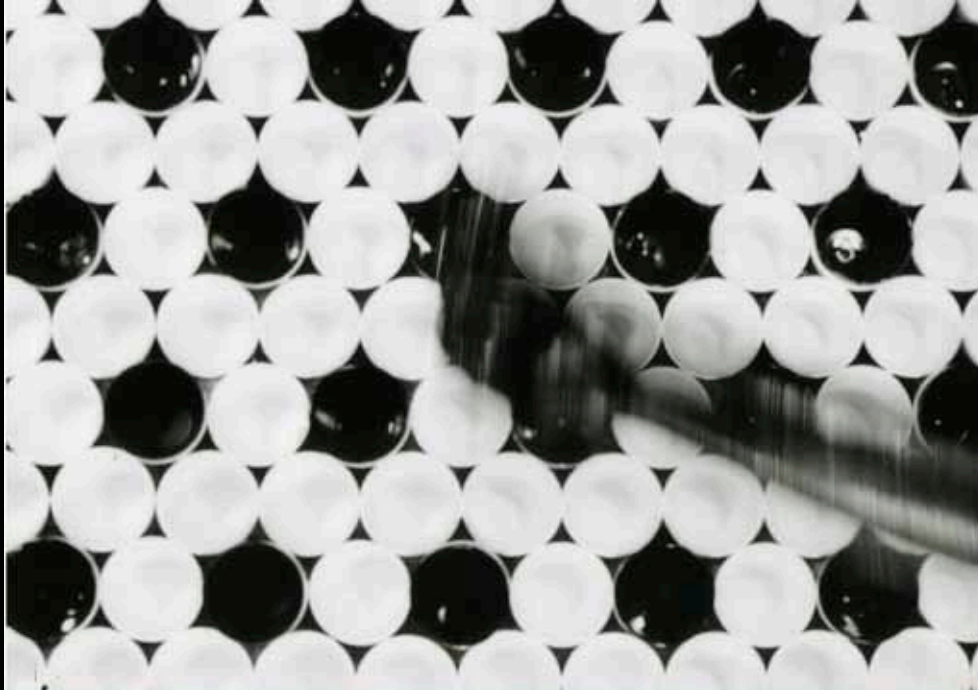


aperture

shutter speed

f/22		1/15	
f/16		1/30	
f/11		1/60	
f/8		1/125	
f/5.6		1/250	
f/4		1/500	
f/2.8		1/1000	





Panning



ISO

800 ISO

400 ISO

200 ISO

100 ISO

64 ISO





(5) shutter release button

(6) ISO button

(7) power switch

(8) shooting mode dial

(9) hotshoe bracket



metering
light



metering and middle gray





bracketing

metered exposure

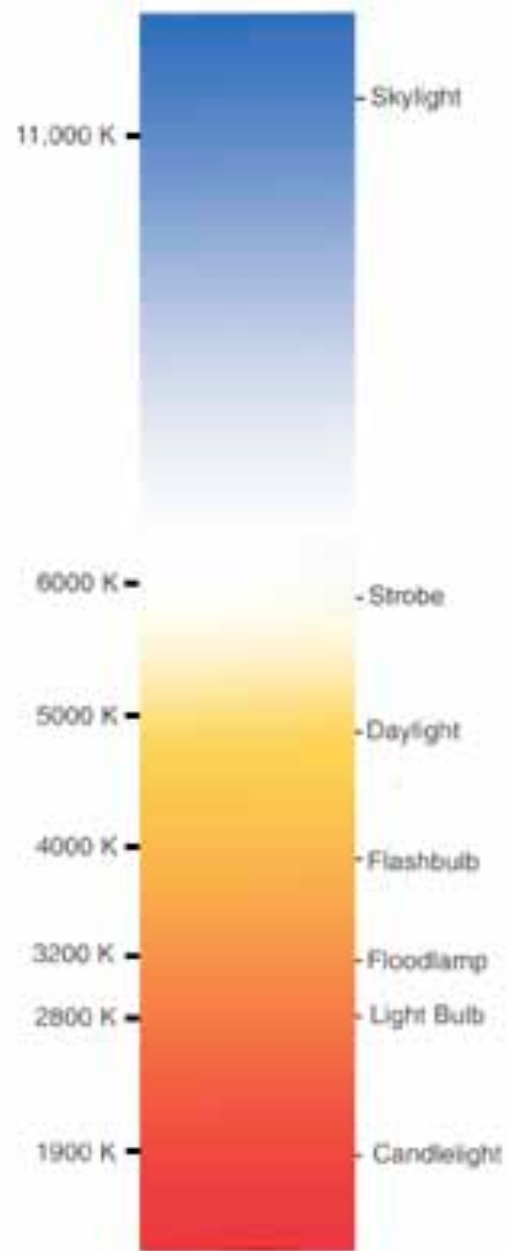


under-exposed

over-exposed

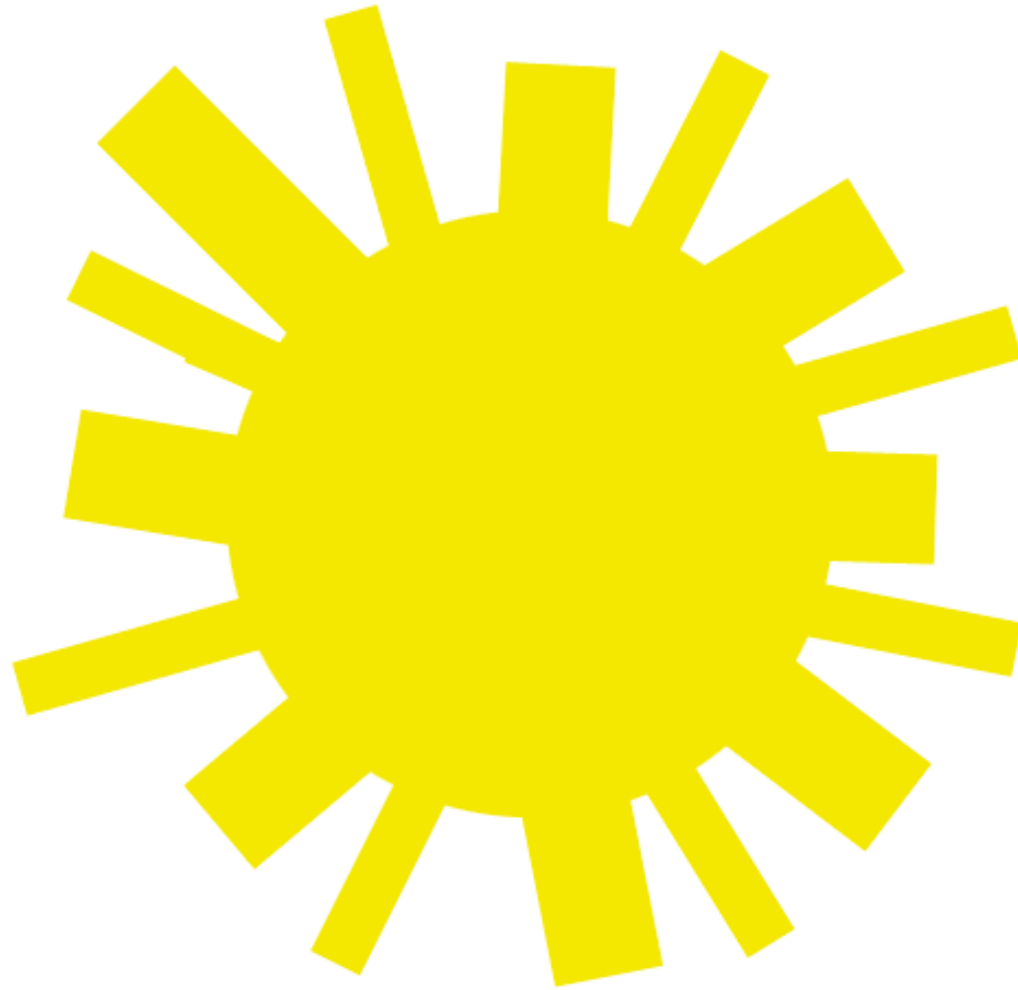


temperature
of light











morning light, 8am, late October



afternoon light, 12:30pm, late October



evening light, 6:30pm, late October

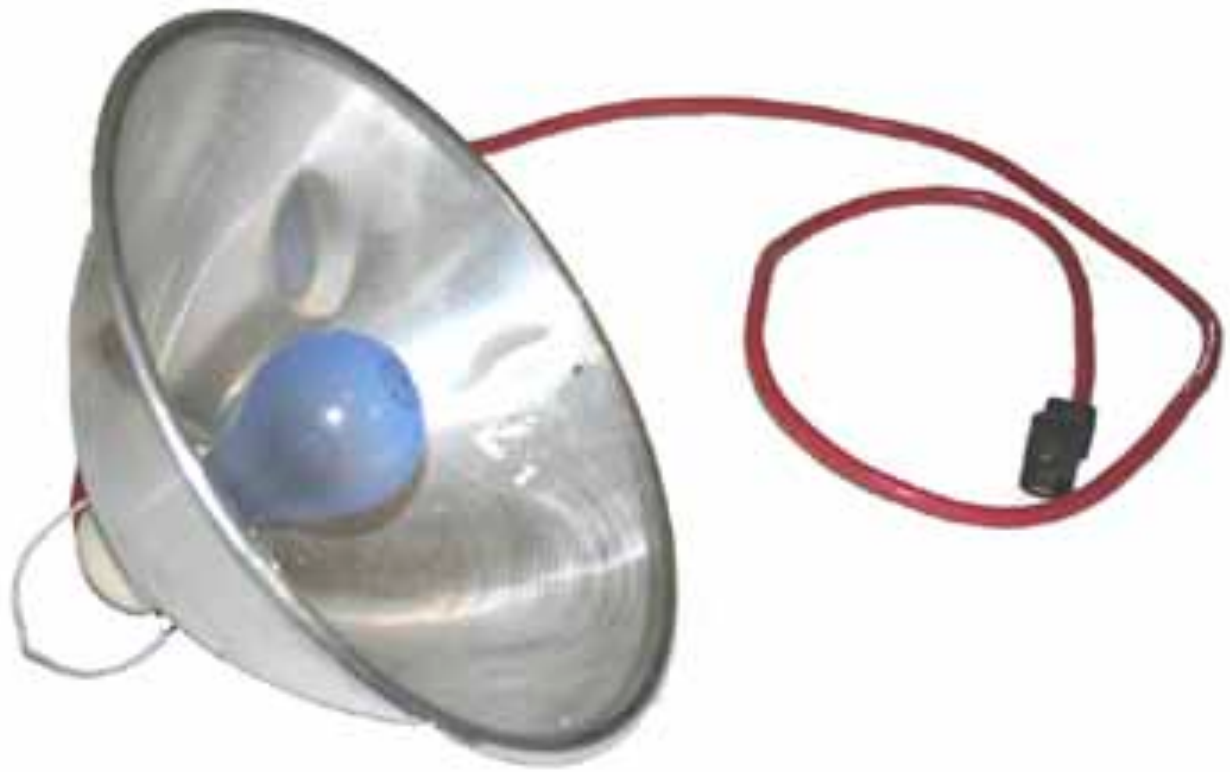


artificial light, 10:00pm, late October







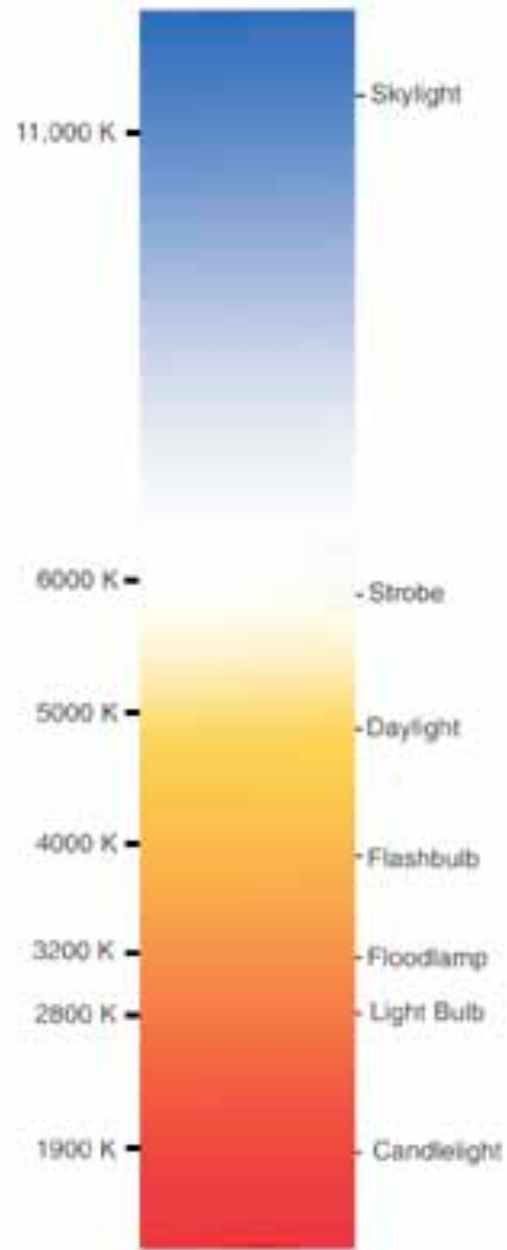







matching
the temperature
of light

with
the temperature
of the film or digital sensor



**Daylight
film /
tungsten
light**



Same, with 



**Tungsten
film /
tungsten
light**

Same, corrected - Photoshop Photo Filters

**Digital
automatic
white
balance /
tung. light**



**Digital
tungsten
mode /
tungsten
light**



reframing photography

THE END