

TRIANGLE OF DIFFUSION

TIFFEN DIFFUSION FILTERS

CONTRAST REDUCTION

HALATION EXPANSION

TIFFEN'S TRIANGLE OF DIFFUSION

This graphic illustrates the subtle differences and variations across Tiffen's large range of diffusion filters. The location of each circle represents the filter's effect in regards to Halation, Contrast, and Resolution characteristics, as well as the relationship of their effects to each other.



LEGEND

- WHITE HALATION DIFFUSION
- BLACK HALATION DIFFUSION
- WARM HALATION DIFFUSION
- OPTICAL RESOLUTION DIFFUSION
- BLACK RESOLUTION DIFFUSION
- WARM RESOLUTION DIFFUSION
- RESOLUTION & CONTRAST REDUCTION
- ATMOSPHERE
- HALATION
Increased halation, blooming, or spreading of illumination around highlights.
- CONTRAST
Reduction of contrast to brighten shadows for a muted, log-like look.
- RESOLUTION
Reduction in resolution to assist with softening wrinkles and blemishes.

WHITE HALATION DIFFUSION

Glimmerglass® · 1/8, 1/4, 1/2, 1, 2, 3, 4
 Pearlescent® · 1/8, 1/4, 1/2, 1, 2
 Pro-Mist® · 1/16, 1/8, 1/4, 1/2, 1, 2, 3, 4, 5
 Satin · 1/8, 1/4, 1/2, 1, 2, 3, 4, 5

BLACK HALATION DIFFUSION

Black Diffusion/FX® · 1/4, 1/2, 1, 2, 3, 4
 Black Net · 1, 2, 3
 Black Glimmerglass® · 1/8, 1/4, 1/2, 1, 2, 3
 Black Pearlescent® · 1/8, 1/4, 1/2, 1, 2, 3, 4
 Black Pro-Mist® · 1/8, 1/4, 1/2, 1, 2, 3
 Black Satin · 1/8, 1/4, 1/2, 1, 2, 3

WARM HALATION DIFFUSION

Bronze Glimmerglass® · 1/8, 1/4, 1/2, 1, 2, 3
 Gold Diffusion/FX® · 1/4, 1/2, 1, 2, 3, 4, 5
 Warm Black Pro-Mist® · 1/8, 1/4, 1/2, 1, 2
 Warm Pro-Mist® · 1/8, 1/4, 1/2, 1, 2
 Antique Satin · 1/8, 1/4, 1/2, 1, 2
 Antique Pearlescent · 1/8, 1/4, 1/2, 1, 2
 Antique Black Pearlescent · 1/8, 1/4, 1/2, 1, 2

OPTICAL RESOLUTION DIFFUSION

Digital Diffusion/FX® · 1/4, 1/2, 1, 2, 3, 4, 5
 Soft/FX® · 1/8, 1/4, 1/2, 1, 2, 3, 4, 5

BLACK RESOLUTION DIFFUSION

Black Soft/FX® · 1/8, 1/4, 1/2, 1, 2, 3, 4

WARM RESOLUTION DIFFUSION

Warm Soft/FX® · 1/4, 1/2, 1, 2, 3, 4

RESOLUTION & CONTRAST DIFFUSION

HDTV/FX · 1/4, 1/2, 1, 2, 3, 4, 5
 Low Contrast · 1/8, 1/4, 1/2, 1, 2, 3, 4, 5
 Ultra Contrast · 1/8, 1/4, 1/2, 1, 2, 3, 4, 5

ATMOSPHERE

Double Fog · 1/8, 1/4, 1/2, 1, 2, 3, 4, 5
 Fog · 1/8, 1/4, 1/2, 1, 2, 3
 Smoque · 1/4, 1/2, 1, 2, 3, 4
 Black Fog · 1/8, 1/4, 1/2, 1, 2
 Night Fog · 1/8, 1/4, 1/2, 1, 2

NEUTRAL DENSITY

NATural ND · 0.3, 0.6, 0.9, 1.2, 1.5, 1.8, 2.1
 NATural ND Grad (HZ) · 0.3, 0.6, 0.9, 1.2, 1.5 (SE/HE)
 Neutral Density · 0.3, 0.6, 0.9, 1.2, 1.5, 1.8, 2.1
 Neutral Density Grad (HZ/VE) · 0.3, 0.6, 0.9, 1.2, 1.5

POLARIZERS

Linear Polarizer
 Ultra Linear Polarizer
 Ultra Circular Polarizer
 Low Light Polarizer

DIOPTERS

Full Field · +1/2, +1, +2, +3
 Split · +1/2, +1, +2, +3
 Third Cover · +1, +2, +3
 Strip · +1, +2, +3
 Letterbox · +1, +2, +3

EFFECTS

Streak (HZ/VE) · 1mm, 2mm, 3mm
 Star · 4, 6, 8 Point · 2mm, 3mm, 4mm
 Star · North, Hollywood, Vector, Hyper

MULTI ROTA TRAY

Circular Polarizer
 Variable ND

COLOR FX

Sunset Grad (HZ/VE)
 Skyfire (HZ/VE)
 Blue Grad (HZ/VE, SE/HE)
 Day for Night · Cool, Monochrome
 Chocolate · 1/4, 1/2, 1, 2, 3
 Sepia · 1/2, 1, 2, 3
 Straw · 1, 2, 3
 Tobacco · 1/8, 1/4, 1/2, 1, 2, 3

*CATEGORY

Filter · Densities