ESS LENS CHART

(VLT) - VISIBLE LIGHT TRANSMITTANCE

Visible Light Transmittance (VLT) represents the percentage of light allowed to pass through a lens. For example, a lens with a VLT of 23 admits 23% of visible (non-UV) light, filtering out the remaining 77%. The lower the VLT, the darker the lens. Lens colors and treatments are also important.

Use this guide to optimize your visual experience.

Note: Lens tint options vary between products. Check availability at www.esseyepro.com or ask an authorized ESS dealer.

CLEAR
VLT: 90
For use indoors or at night. Has no influence on contrast or color.

PHOTOCHROMIC
VLT: 86-24
Lens with Light Adapting Technology for all light conditions - Lens goes from dark gray to clear

HI-DEF YELLOW
VLT: 85
For flat to very low light. A high-contrast lens for overcast or extremely low light conditions.

HI-DEF BRONZE
VLT: 62
For flat to low light. Filters blue light to boost contrast & enhance depth perception in overcast or shaded conditions.

HI-DEF COPPER
VLT: 32
For flat to medium light. Improves contrast & depth perception in blues & greens.

MIRRORED COPPER
VLT: 23
For flat to bright light. Improves contrast & depth perception in blues & greens, while reflecting glare.

SMOKE GRAY
VLT: 15
For medium to bright light. An all-purpose daytime lens with unbiased influence on color.

POLARIZED GRAY
VLT: 15
For extremely bright light & reflective surfaces. Is the most effective at cutting glare, has unbiased influence on color, Safety rated to ANSI Z87.1-2010.

MIRRORED SILVER
VLT: 14
For medium to extremely bright light. Similar to Mirrored Gray, but with a heavier mirrored finish.

MIRRORED BLUE
VLT: 13
For medium to extremely bright light. Similar to Mirrored Gray, but with a heavier mirrored finish.

MIRRORED GRAY
VLT: 12
For medium to extremely bright light. An all-purpose lens that reflects glare with unbiased influence on color.

POLARIZED MIRRORED GRAY
VLT: 9
For intense, blinding sun & reflective surfaces. Is the most effective at cutting glare, has unbiased influence on color, & is safety rated to ANSI Z87.1-2010.