

LENS CHART

LENS DESCRIPTIONS

Lens tints are not merely decorative, but enhance a worker's vision under various lighting conditions. Following are different lens options, their applications and percentage of **visible light transmission**. Please remember that these are general definitions only. Consult your safety director to insure the proper application.

Duramass® AF4 Anti-fog Coating: Provides excellent fog prevention in high humidity environments where sudden shifts in temperature occur.

-  **Clear:** Provides excellent optics for general applications where impact protection is required. 85% VLT.
-  **Light Grey:** Serves the same purpose as grey lens, yet allows more visible light through the lens for indoor/outdoor use. Reduces glare from artificial light such as halogen and fluorescent. 62% VLT
-  **Grey:** For outdoor applications where light and glare can cause eye strain and fatigue. 12% VLT.
-  **Gradient:** For outdoor use where overhead glare may interfere with visual acuity. 18% VLT.
-  **Amber:** Blocks the blue portion of the visible light spectrum, creating maximum contrast enhancement, particularly in low light. 85% VLT.
-  **Dark Green:** A general purpose lens that protects from excessive glare and ultraviolet radiation. 12% VLT.
-  **Fire, Blue Diamond, Emerald, Rainbow, Blue, Silver, Banana Mirror and Copper:** For outdoor use where sunlight and glare cause eye strain and fatigue. "Mirror" coating reflects light, reducing the amount of light that passes through the lens. 9% VLT.
-  **Brown:** Outdoor applications where sunlight and glare cause eye strain and fatigue. Meets color traffic signal recognition requirements. 12% VLT.
-  **Indoor/Outdoor Clear Mirror:** Allows more visible light through the lens for indoor/outdoor use. Reduces glare from artificial light such as halogen and fluorescent. 55% VLT.
-  **Vermilion:** Enhances contrast while reducing all colors equally for optimum color recognition. Ideal for indoor inspection. 55% VLT.
-  **Light Blue:** Allows more visible light through the lens for indoor/outdoor use. Reduces glare from artificial light such as halogen and fluorescent. 70% VLT.
-  **Blue Ice:** Protects from excessive glare, high levels of hazardous visible light and ultraviolet radiation in outdoor applications. 33% VLT.
-  **Filter Shades:** Protects against ultraviolet and infrared radiation generated when working with molten metal, and in welding, cutting, soldering and brazing.
-  **Polarized:** For use outdoors to protect from excessive glare that can cause eye fatigue.

WELDING FILTER SHADE SECTION

OPERATION	RECOMMENDED FILTER SHADE
Torch Soldering	2
Torch Brazing	3
Light Cutting up to 1"	3
Medium Cutting 1" to 6"	5
Heavy Cutting more than 6"	5
Gas Welding, light, up to 1/8"	5
Gas Welding, medium, 1/8" to 1/2"	5

*Indicates thickness of material to be cut

