

Standard Anti-Reflective Coatings

LightPath offers a variety of multilayer broadband coatings to reduce the back reflection from a nominal 6% for uncoated lenses. The choice of which AR coating is appropriate depends on the type of glass the lens is made from and the wavelength at which the lens will be used.

Standard Coatings			
Lens Series	Coating	λ Range (μm)	R_{MAX}
352xxx, 354xxx, 355xxx	MLBB-A	400 - 600	< 1.0%
352xxx, 354xxx, 355xxx	MLBB-B	600 - 1050	< 1.0%
352xxx, 354xxx, 355xxx	MLBB-C	1050 - 1600	< 1.0%
352xxx, 354xxx, 355xxx	MLBB-M	700 - 900	< 2.0%
370xxx	MLBB-Q	1300 - 1700	< 0.25%

Available Coatings			
Lens Series	Coating	λ Range (μm)	R_{MAX}
352xxx	MLBB-D	1300 - 1700	< 0.25%
352xxx	MLBB-E	1800 - 2400	< 0.50%
370xxx	MLBB-O	600 - 1050	< 1.0%
370xxx	MLBB-P	1050 - 1600	< 1.0%

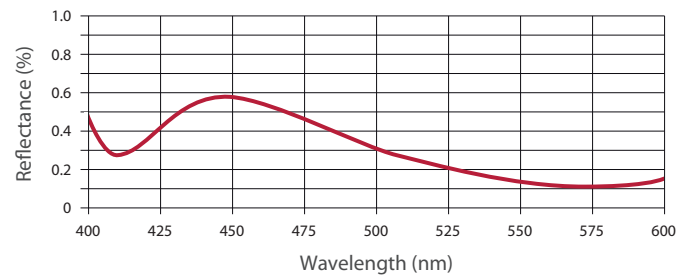
LightPath's rigorous qualification process ensures that all of the standard coatings will pass the abrasion and adhesion resistance requirements of ISO+9211-4-1996.

LightPath is happy to provide any AR coatings based on specific requirements.



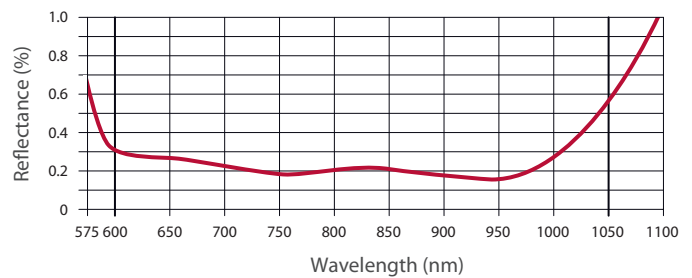
Typical AR Coating Curves

A Coating



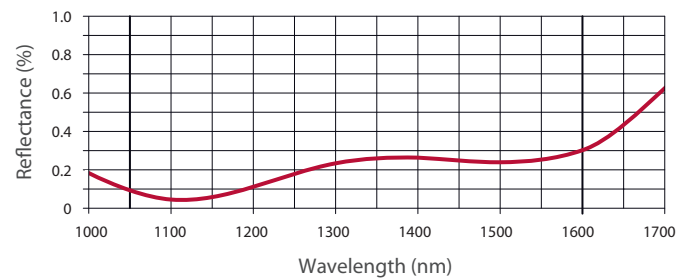
B Coating

NOTE: Coating specification λ range = 600 μm - 1050 μm .

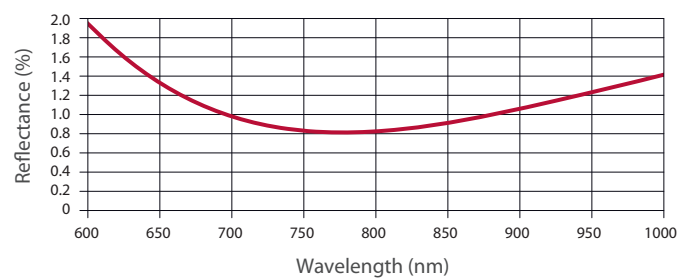


C Coating

NOTE: Coating specification λ range = 1050 μm - 1600 μm .



M Coating



Q Coating

