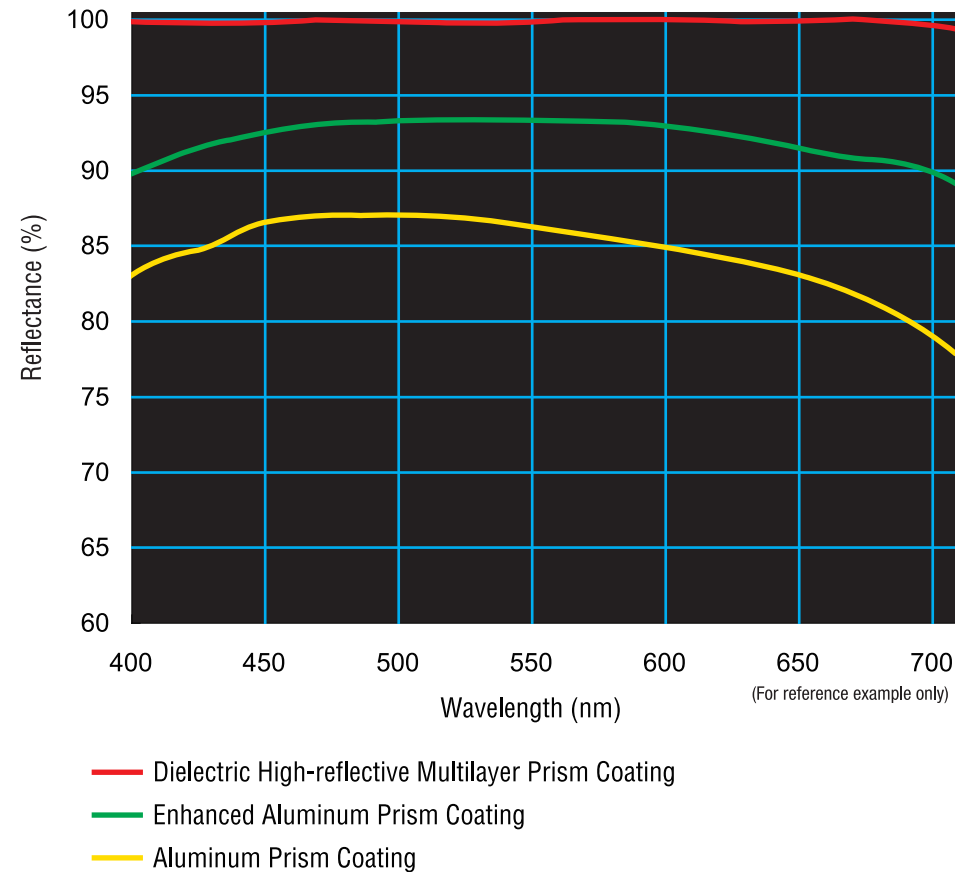


Reflectance characteristics of prism coatings on mirror surface



A roof prism features one surface that does not have total internal reflection. It is very important for binoculars' optical performance to raise the reflectivity of this surface. Dielectric high-reflective multilayer prism coating, which is composed of multiple thin layers of transparent dielectric material instead of aluminum, or other metallic layers, assures uniform and ultra-high reflectivity in full visible range. As a result, this technique provides almost the same brightness as that perceived by the naked eye, and clear, high-contrast images that display accurate color reproduction.