

## ABSTRACT

An optical member including a first optical layer having convex shapes, and a reflective layer, which is formed on the convex shapes of the first optical layer and is configured to reflect light including at least infrared light, wherein the reflective  
5 layer includes at least a metal layer, wherein a maximum height roughness  $R_z$  (nm) of inclined planes of the convex shapes is 3.0 times or less an average thickness (nm) of the metal layer, and wherein the average thickness of the metal layer is 40 nm or less.