

OPTICAL BODY, METHOD OF MANUFACTURING THE SAME, WINDOW MEMBER,
FITTING, AND SOLAR SHADING DEVICE

ABSTRACT

5 Provided is an optical body which is capable of blocking sunlight including visible light as well as suppressing glare and reflection.

 An optical body includes a transflective layer formed on a concave-convex surface and a second optical layer formed
10 to enclose concave portions and convex portions on the concave-convex surface on which the transflective layer is formed. The transflective layer directionally reflects a portion of light, incident on an incidence surface at an incidence angle (θ, ϕ) , in a direction other than a direction
15 of regular reflection $(-\theta, \phi+180^\circ)$. (Wherein, θ : an angle formed by a perpendicular line l_1 perpendicular to the incidence surface, and incident light incident on the incidence surface or reflected light exiting from the incidence surface, ϕ : an angle formed by a specific linear line l_2 in the incidence
20 surface and a component of the incident light or the reflected light projected on the incidence surface, and the specific linear line l_2 in the incidence surface: an axis where an intensity of reflection in a ϕ direction becomes maximum when the incidence angle (θ, ϕ) is fixed and the transflective layer
25 is rotated about the perpendicular line l_1 , serving as an axis, perpendicular to the incidence surface).

Figure 1