Claims

[Claim 1]

A light control device in which ITO layers are respectively bonded to both surfaces of a polymer/liquid crystal composite material layer in which a liquid crystal material is dispersed in a polymer material obtained by polymerizing an acrylic monomer,

an amount of the acrylic monomer being in the range of 30 to 45% by weight based on a total amount of the acrylic monomer and the liquid crystal material, and silane coupling agent layers comprising 3-aminopropyltriethoxysilane being respectively interposed between the polymer/liquid crystal composite material layer and the ITO layers.

[Claim 2]

The light control device according to claim 1, wherein the acrylic monomer comprises:

a first acrylic monomer selected from the following formulas (I)-1 to (I)-4 as a basic structure material,

a second acrylic monomer selected from the following formulas (II)-1 to (II)-4 as another basic structure material,

an acrylic monofunctional monomer, as an additive, different from the first acrylic monomer and the second acrylic monomer as the basic structure materials, and

an acrylic polyfunctional monomer, as another additive, different from the first acrylic monomer and