

EDGE-LIGHT-TYPE LIGHT GUIDE PLATE AND EDGE-LIGHT-TYPE SURFACE LIGHT SOURCE UNIT

ABSTRACT

An edge light-type light guide plate, which has excellent brightness uniformity and can be easily manufactured due to excellent moldability in producing the light guide plate by an extrusion molding and a roll transfer, and an edge light-type surface light source unit using the light guide plate is provided.

According to the present invention, an edge light-type light guide plate containing a styrene-based resin composition, wherein: a surface of the edge light-type light guide plate has a plurality of lenticular-shaped and/or prism-shaped convex portions; a thickness T of the edge light-type light guide plate is 1.0 to 3.0 mm; the styrene-based resin composition comprises a styrene-based resin and a phosphorus-based antioxidant (A) and/or a phenol-based antioxidant (B); and at least one of the following conditions (1) and (2) is satisfied: (1) a height H of the convex portions is 10 to 500 μm ; (2) a pitch P between the convex portions is 30 to 800 μm is provided.

[Figure 2A and 2B]