

**LIGHTING SYSTEM, LIQUID CRYSTAL DISPLAY DEVICE USING
LIGHTING SYSTEM AND LAMP SOCKET**

Abstract

To provide a lighting system that resolves the problems presented by dark areas, so called shading at the corner, and a liquid crystal display device and a lamp socket therefor.

According to the present invention, a lighting system comprises: a light guide plate 28, having a plane 46 of incidence into which light enters and a plane 48 of emission from which the light is emitted, a light source 30, having a luminous portion and a non-luminous portion, that is located adjacent to the light guide plate 28 so that the light guide plate 28 is irradiated by light, a lamp socket 34, for holding at least one end of the light source 30, and a reflector 32, which is extended along the light source 30 for reflecting the light produced by the light source 30, and wherein the lamp socket 34 exhibits a transmittance of 20 to 90% in wavelengths of from 300 to 900 nm, and the light is scattered through the lamp socket. The present invention also relates to a display device using the above described side light device.



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