

Title (en)
Fluorescent lamp with reduced shadowing

Title (de)
Leuchtstofflampe mit verringerter Abschattung

Title (fr)
Lampe fluorescente avec ombre réduite

Publication
EP 1577921 B1 20070502 (EN)

Application
EP 05101984 A 20050314

Priority
CN 200410083896 A 20041022

Abstract (en)
[origin: EP1577921A1] This present invention relates to an all-rounded illumination enveloped fluorescent lamp. The light translucent materials used for lamp carrier disk fixing lamp tube, segregation board segregating wires, ballast circuit board and rear housing enables light emitted by the lamp tube to penetrate through the rear housing via the lamp carrier disk, segregation board and circuit board, thus causing the whole lamp body to illuminate as the lamp is turned on. Furthermore, the rear housing, which is made of PC plastic with proper amount of colour powder added, provides good light transmission property but is not transparent, thus shielding the ballast so that the appearance of lamp is beautiful. No darkness zone is formed when in use, the lamp thus provides adequate aesthetic quality and illumination effect. Light transmission amount of the rear housing is increased further by setting the circuit board perpendicularly to the lamp carrier disk or by adjusting the circuit board to be smaller than bottom projection of lamp tube. Combination of compact lamp tube and ballast made by surface mount technology with small dimension components and surface mount components allow the inner space to be used fully and reduce the length and diameter of the whole lamp efficiently by mounting part of the components into the inner space of lamp base.

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Cited by
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