

Title (en)  
FLAT LIGHTING DEVICE

Title (de)  
FLACHE BELEUCHTUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF D'ECLAIRAGE PLAT

Publication  
**EP 1034397 A1 20000913 (DE)**

Application  
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Abstract (en)  
[origin: WO0019144A1] The invention relates to a flat lighting device (8; 32) comprising an aperture fluorescent lamp (33), an optical system (10; 34) and a light-conducting plate (11; 35). The optical system (10; 34) influences the distribution of the light to be coupled into the light-conducting plate in a targeted manner such that in the cross-sectional plane of the tubular discharge vessel of the lamp the light distribution has at least one maximum in the angular separation (  $\beta$  ), in relation to the optical axis A, where said angular separation (  $\beta$  ) satisfies the relationship (I), in which L is the longitudinal dimension of the light-conducting plate (i.e. its dimension in the direction of the optical axis A and d is the thickness of said plate. In this way a high luminance is obtained at the front side (39) of the light-conducting plate.

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