

Title (en)
LED fluorescent lamp

Title (de)
LED-Leuchtstofflampe

Title (fr)
Lampe fluorescente à DEL

Publication
EP 2357402 A2 20110817 (EN)

Application
EP 10252162 A 20101217

Priority
CN 2010070550 W 20100205

Abstract (en)
The invention provides a LED fluorescent lamp (10), comprising a lamp cap (800), a bulb shell (100), a control circuit (600), at least two LED light sources (400), at least two light source panels (300) on which the at least two LED light sources are secured, respectively, heat-conducting means (500) and cover (700) means. The heating-conducting means (500) comprises at least two thermally conductive base plates which are disposed at an angle oblique to a longitudinal central axis of the heat-conducting means, and on which base plates the at least two light source panels are secured in a thermally conductive manner, the base plates extending downward from their bottom ends to form a receiving chamber. The cover means (700) comprises a casing, and a hollow barrel (710) for accommodating the control circuit, the casing is engaged snugly with the heat-conducting means such that the heat-conducting means is coupled thermally to the cover means. The cover means have a plurality of radiating fins (721) on its outer surface. A path having good thermal conduction and thermal dissipation is created along the light source panels - the heat-conducting means ## the casing of the cover means ## the radiating fins. The LED fluorescent lamp exhibits excellent thermal conduction and thermal dissipation to provide a solution to the problem associated with the thermal dissipation of the LEDs.

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Cited by
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