

Title (en)
LIGHTING DEVICE

Title (de)
BELEUCHTUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ÉCLAIRAGE

Publication
EP 2602545 A1 20130612 (EN)

Application
EP 10855688 A 20100804

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Abstract (en)
The lighting device relates to lighting engineering and can be used in the manufacture of lighting engineering equipment for general outdoor and indoor lighting and task lighting. The technical result of the invention consists in increasing the lighting comfort, improving the uniformity of the luminance of the light-exit surface, and providing the working temperature for the light-emitting diodes. The lighting device comprises: a housing with an emitter; blue light-emitting diodes mounted in such a way as to provide the possibility of illumination of a first remote radiation converter in the form of phosphor particles arranged on or in the material of a first optically transmissive envelope; a second radiation converter which selects or changes the direction of radiation and surrounds the first remote radiation converter; an electronic electrical-energy converter, which is electrically connected to the light-emitting diodes; and means for connection to an electric circuit.

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