

Title (en)

LED LAMP TIGHTLY SUPPORTED ON LAMP UNIT BY INSERTION OF POWER SOCKET

Title (de)

LED-LAMPE MIT FESTEM SITZ AUF EINER LAMPENEINHEIT DURCH EINSATZ EINER STECKDOSE

Title (fr)

LAMPE À DEL SOUTENUE FERMEMENT SUR UNE UNITÉ DE LAMPE PAR INSERTION D'UNE DOUILLE D'ALIMENTATION

Publication

EP 2995848 A4 20161102 (EN)

Application

EP 15777856 A 20150618

Priority

- KR 20140081910 A 20140701
- KR 2015006206 W 20150618

Abstract (en)

[origin: EP2995848A1] The present invention relates generally to an LED lamp in which a power supply socket is inserted to closely adhere to and support a lamp apparatus, and more specifically, to an LED lamp in which a power supply socket is inserted to closely adhere to and support a lamp apparatus in which a socket accommodating unit is formed to accommodate a power supply socket in an LED lamp having a plurality of light source modules to make the LED lamp be directly and closely adhered to the lamp apparatus to be reliably coupled, an SMPS of the lamp apparatus is formed separately to reduce the volume, and more light source modules are formed to avoid blind spots. A heat sink fin is formed in a lamp body, at the center of which is formed a socket coupling terminal screw-coupled to the power supply socket of the lamp apparatus, a plurality of light emitting modules are combined into a single piece, and the light emitting modules are lighted by a power rectified and supplied by an SMPS module. A socket accommodating unit for accommodating a power supply socket of the lamp apparatus is formed on the periphery of the socket coupling terminal formed at the center of the lamp body, whereby the power supply socket is inserted to be closely adhered to and support a lamp apparatus. When coupled to the lamp apparatus, overall volume is minimized by accommodating the power supply socket in the LED lamp to decrease the protrusion of the LED lamp by the height of the power supply socket while keeping the total volume of the LED lamp unchanged, the support flange is directly adhered closely to the lamp apparatus to support the LED lamp, thereby maintaining secure coupling state, and blind spots around the power supply socket are removed by constituting the light emitting modules to the part of the lamp body covering the power supply socket.

IPC 8 full level

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Citation (search report)

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