

Title (en)

LIGHT EMITTING DIODE LIGHT SOURCE

Title (de)

LED-LICHTQUELLE

Title (fr)

SOURCE DE LUMIÈRE À DIODES ÉLECTROLUMINESCENTES

Publication

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Application

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Abstract (en)

[origin: WO2011121489A1] A light emitting diode light source (100) is provided in the present invention, comprising a red light emitting diode array (110); a phosphor-coated blue light emitting diode array (120), a color point of the mixed light emitted from the phosphor-coated blue light emitting diode array (120) falling within a quadrilateral of the CIE chromaticity diagram, wherein coordinates of four vertices of the quadrilateral are (0.375, 0.427), (0.390, 0.456), (0.366, 0.430), (0.38, 0.46); wherein, when the junction temperature of light emitting diodes of the phosphor-coated blue light emitting diode array (120) and light emitting diodes of the red light emitting diode array (110) is substantially equal to room temperature, the ratio of the lumen output of the phosphor-coated blue light emitting diode array (120) to the lumen output of the red light emitting diode array (110) is within a range of 4:1 to 1.5:1. With the light emitting diode light source (100) of the present invention, the quality of the warm white light is efficiently improved.

IPC 8 full level

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