Title (en)

METHOD AND DEVICE FOR ADJUSTING THE COLOR OR PHOTOMETRIC PROPERTIES OF AN LED ILLUMINATION DEVICE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR EINSTELLUNG DER FARB- ODER FOTOMETRISCHEN EIGENSCHAFTEN EINER LED-BELEUCHTUNGSEINRICHTUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE RÉGLAGE DES PROPRIÉTÉS CHROMATIQUES OU PHOTOMÉTRIQUES D'UN DISPOSITIF D'ÉCLAIRAGE À DEL

Publication

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Application

EP 08803855 A 20080908

Priority

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Abstract (en)

[origin: WO2009034060A1] The invention relates to a method for the temperature-dependent adjustment of the color or photometric properties of an LED illumination device having LEDs or LED color groups emitting light of different colors or wavelengths, emitting light of the same color or wavelength within a color group, the luminous flux portion thereof determining the light color, color temperature, and/or the color location of the light mixture emitted by the LED illumination device, characterized by measurement of the board temperature and/or junction temperature of at least one LED, determination of at least one temperature-dependent value determining the emission spectra E(?) of the variously colored LEDs as a function of the wavelength of the variously colored LEDs from calibration data stored for each of the variously colored LEDs, determination of the luminous flux portions of the variously colored LEDs for a light mixture comprising a prescribed light color, color temperature, and/or color location at the measured temperature as a function of the at least one temperature-dependent value determined, and adjustment of the determined luminous flux portions at the variously colored LEDs.

IPC 8 full level

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