

Title (en)
ILLUMINATION DEVICE

Title (de)
BELEUCHTUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ÉCLAIRAGE

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Application
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Abstract (en)
[origin: WO2017190980A1] The invention relates to an illumination device, in particular for a motor vehicle, comprising one or more multi-color LED units (3) which each have a settable brightness and a settable color point. Each multi-color LED unit (3) is an individual semiconductor component having multiple single-color LEDs (301, 302, 303, 304) of different colors and a microcontroller (4), wherein the single-color LEDs (301, 302, 303, 304) and the microcontroller (4) are surrounded by a housing of the semiconductor component. A temperature sensor (TS) which measures a current temperature value of the associated multi-color LED unit (3) and supplies this value to the microcontroller (4) is integrated in the semiconductor component. The microcontroller (4) is designed to control an associated multi-color LED unit (3) depending on the current temperature value of the associated multi-color LED unit (3).

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