

Title (en)
COOLING DEVICE FOR CYLINDRICAL, COUPLABLE LED MODULES

Title (de)
KÜHLVORRICHTUNG FÜR ZYLINDERFÖRMIGE, KOPPELBARE LED-MODULE

Title (fr)
DISPOSITIF DE REFROIDISSEMENT POUR MODULES DE DEL CYLINDRIQUES POUVANT ÊTRE ACCOUPlés

Publication
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Application
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Abstract (en)
[origin: CA2805029A1] The invention relates to a device for controlling the temperature of, particularly cooling, an LED lamp (40) or LED modules (30, 41) of an LED lamp, wherein the device comprises a supply line (1, 21) for supplying a fluid and a plurality of heat exchangers (5, 25, 31) that are connected to the supply line, wherein the plurality of LEDs (32) are arranged at each heat exchanger and are coupled to the heat exchangers with respect to heat transfer, and therefore the temperature of the LED lamp (40) or of the LED modules (30, 41) can be controlled, in particular it/ they can be cooled, by the fluid, wherein the device comprises a removal line (2, 22) for removing the fluid, wherein the supply line (1, 21) and the removal line (2, 22) are connected fluid-tightly to one another by means of a respective L piece (4, 24) at one of the ends thereof and additionally by means of at least one T piece (3, 23) in the supply line and at least one T piece in the removal line, and therefore the fluid flows spatially separate from the LEDs, and therefore the supply line and the removal line have at least two fluid connections with respect to one another, arranged in parallel, wherein the heat exchangers are arranged in the fluid connections or the heat exchangers are the fluid connections.

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Citation (examination)
• US 2005158687 A1 20050721 - DAHM JONATHAN S [US]
• US 2009322227 A1 20091231 - JONES GARETH [GB], et al
• US 2010051168 A1 20100304 - MOESKJAER OLE [DK], et al

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