

Title (en)

HIGH PERFORMANCE LED FLOODLIGHT AND FLOODLIGHT SYSTEM USING THE SAME FOR ILLUMINATION OF SPORT HALLS

Title (de)

HOCHLEISTUNGS-LED-FLUTLICHTLEUCHTEN SOWIE DIESE VERWENDENDE FLUTLICHTANLAGEN ZUR BELEUCHTUNG VON SPORTPLÄTZEN

Title (fr)

PROJECTEUR À DEL DE HAUTE PERFORMANCE, ET SYSTÈME DE PROJECTION COMPRENANT CE PROJECTEUR POUR ÉCLAIRER DES TERRAINS SPORTIFS

Publication

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Application

**EP 18712790 A 20180216**

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Abstract (en)

[origin: WO2018149457A1] The invention relates to high power LED floodlight lamps (1) for arrangement on floodlight towers (2) on the lateral edges of a sports field for illumination thereof, wherein each LED floodlight lamp (1) comprises 4 LED emitters (14), which are formed at least from a housing (6), a cooling element (5), a reflector lens and a high power LED chip, wherein the LED emitters (14) are arranged in pairs on a carrier frame having joint connections, wherein an upper LED emitter pair (15) sits on a common carrier element (4), aligned parallel, and has a reflector lens, which effects a narrow emission angle, whereby the light emission of said LED emitter pair (15) is amplified, equally aligned, and thus overcomes additional sections in order to reach the center region of the sports field, whereas a lower LED emitter pair (16) sits on a separately alignable carrier element (4') and has reflector lenses which effect a wide emission angle, whereby the light emission of said LED emitter pair (16) is alignable separate from each other for targeted illumination of the edge regions of the sports field located closer to the floodlight tower.

IPC 8 full level

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