

Title (en)
LED COLLIMATION OPTICS MODULE AND LUMINAIRE USING SAME

Title (de)
OPTISCHES LED-KOLLIMATIONSMODUL UND DIESES VERWENDENDE LEUCHTE

Title (fr)
MODULE OPTIQUE DE COLLIMATION À DEL ET LUMINAIRE FAISANT INTERVENIR LEDIT MODULE

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Application
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Abstract (en)
[origin: WO2010113100A1] An LED collimation optics module (16) and luminaire (10) using the same, and optics device for stage lighting are disclosed. In one embodiment of the LED collimation optics module (16), an LED chip (30) provides a plurality of sources of light (G, R, B, W). An optical conductor (32) is superposed on the LED chip (30) to mix the light received from the plurality of sources of light (G, R, B, W). After passing through the optical conductor (32), the mixed light enters a compound parabolic concentrator (34) which is coupled to the optical conductor (32). The compound parabolic concentrator (34) collimates the light received from the optical conductor (32) such that a homogeneous pupil (90) is emitted.

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