

Title (en)

Solid-state luminaire with electronically adjustable light beam distribution

Title (de)

Halbleiterbeleuchtung mit elektronisch einstellbarer Lichtbündelverteilung

Title (fr)

Luminaire semi-conducteur avec distribution de faisceau de lumière réglable électroniquement

Publication

EP 2851610 A1 20150325 (EN)

Application

EP 14184410 A 20140911

Priority

US 201314032821 A 20130920

Abstract (en)

A luminaire having an electronically adjustable light beam distribution is disclosed. In some embodiments, the disclosed luminaire includes a plurality of solid-state lamps mounted on one or more surfaces of a housing. The lamps can be electronically controlled individually and/or in conjunction with one another, for example, to provide highly adjustable light emissions from the luminaire (e.g., pixelated control over light distribution). In some cases, a given solid-state lamp may include tunable electro-optic componentry to provide it with its own electronically adjustable light beam. One or more heat sinks optionally may be mounted on the housing to assist with heat dissipation for the solid-state lamps. The luminaire can be configured to be mounted or as a free-standing lighting device, in accordance with some embodiments. In some embodiments, the aperture through which the lamps provide illumination is smaller than the distribution area of the solid-state lamps of the luminaire.

IPC 8 full level

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