

Title (en)

GRATING SHADE FOR REFRACTING BEAM IN A LAMP CASE

Title (de)

GITTERSCHIRM ZUM BRECHEN EINES STRAHLS IN EINEM LAMPENGEHÄUSE

Title (fr)

DISPOSITIF D'OMBRAJE EN RESEAU POUR REFRACTER UN FAISCEAU DANS UN BOITIER DE LAMPE

Publication

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Application

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Abstract (en)

The invention relates to a grating shade for refracting beam in a lamp case. The grating shade is disposed between a lamp tube and a uniform light plate, it is a transparent or opacity refractive body. The refractive body has a symmetrical face (4), the symmetrical face (4) and the central axis of lamp tube are within in a same plane. One surface of the refractive body, which faces lamp tube, is a refractive surface that is convex, and the other surface, which faces the uniform light plate, is a reflective surface. The transverse width of the refractive body is smaller than that of the lamp tube. In the use of the invention, the beam which is emitted from the lamp tube to the refractive surface is reflected by the refractive surface to a cover of the lamp case, and then a part of the beam is reflected by the cover to the uniform light plate far away from the lamp tube. The beam which is directed from lamp tube to the uniform light plate is reflected by the uniform light plate to the refractive surface of the refractive body, then is reflected by the refractive body to the uniform light plate. Thus, the invention may not only increase the illumination of the uniform light plate, but also make the illumination uniform, and further reduce the volume of the lamp case, and enhance the availability of the beam.

IPC 8 full level

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