

Title (en)
A HIGHSTRENGTH DISCHARGE LAMP WITH LOW GLARE AND HIGH EFFICIENCY FOR VEHICLES

Title (de)
HOCH-FESTE, BLENDARME UND HOCH-EFFIZIENTE ENTLADUNGSLAMPE FÜR FAHRZEUGE

Title (fr)
LAMPE A DECHARGE HAUTE RESISTANCE PRESENTANT UN FAIBLE EBLOUISSEMENT ET UN RENDEMENT ELEVE POUR VEHICULES

Publication
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Application
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Abstract (en)
The invention provides a high intensity discharge lamp with a lamp cap, which has a simple and firm structure, higher thermal stability, lower glare and higher efficiency. The discharge lamp comprises an arc tube, which is filled with substances for gas discharge. The arc tube comprises a bulbous or ellipsoidal portion. Surrounding the arc tube is a tubular envelope; the envelope has an enlarged portion, which is similar to the bulbous or ellipsoidal portion disposed of the bulbous portion of the arc tube. The distance between the envelope and the outer wall of the arc tube is uniform; it makes the temperature distribution on the wall of arc tube more uniform, then the thermal stability, the luminous and electricity parameters of the lamp are improved. More important is that the invention can reduce the light refraction and reflection which occurred between the inner surface of the envelope and the outer surface of the arc tube and also between the two interface of envelope wall and space, thereby more light directly emits out from the enlarged ball shaped portion of invention and the invention reduce the occurrence of glare.

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