

Title (en)
GAS-DISCHARGE REFLECTOR LAMP

Title (de)
GASENTLADUNGS-REFLEKTORLAMPE

Title (fr)
LAMPE À DÉCHARGE GAZEUSE À RÉFLECTEUR

Publication
EP 2034509 A4 20100120 (DE)

Application
EP 06769538 A 20060526

Priority
RU 2006000272 W 20060526

Abstract (en)
[origin: EA008954B1] The proposed invention relates to the electro technical industry, in particular, to improve a design of gas discharge reflecting lamps for use in general and special-purpose illumination. The invention is aimed at reduction the cost price of gas discharge reflecting lamps, and increasing its quality due to the use traditionally round-symmetrical bulbs and obtaining uniform thickness of a glass, keeping high luminous flux of a lamp. The technical result is achieved by using the gas discharge reflecting lamp containing the arc-tube, mounted on wires in a bulb, not less than half of which internal surface is covered with reflecting layer so that the plane extending through its longitudinal edges, is parallel to a longitudinal axis of arc-tube, being at a distance from the bulb symmetry axis constituting 0.04-0.11 the maximal internal diameter of bulb wherein cross-section edges of a reflecting layer are located in places of transition of throat and dome of a bulb into elliptical part; the arc-tube is placed so, that in the cross-section section extending through the center of the bulb ellipsoid, the relation of distance from an axis of arc-tube up to the nearest surface of a reflecting layer to distance from an axis of arc-tube up to edge of the reflecting layer located on longitudinal section, lays within the limits of 0.56-0.68, and at least, one wire is placed between the arc-tube and the reflecting layer in a longitudinal plane of symmetry. The achieved result provides to reduce the cost price of a lamp, to keep high luminous efficiency, allowing to realize profit at a rate of 1 million 200 thousand rubles at the price of lamps 210 rubles / 1 piece and annual manufacture - 200 thousand pcs.

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Citation (search report)
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• [Y] DD 226429 A1 19850821 - ILMENAU TECH HOCHSCHULE [DD]
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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