

Title (en)

METHOD FOR DETERMINING OPERATIONAL PARAMETERS FOR A GAS DISCHARGE LAMP TO BE OPERATED WITH ELECTRONIC BALLAST AND CORRESPONDING BALLAST

Title (de)

VERFAHREN ZUM BESTIMMEN VON BETRIEBSPARAMETERN EINER MIT EINEM ELEKTRONISCHEN VORSCHALTGERÄT ZU BETREIBENDEN GASENTLADUNGSLAMPE SOWIE EIN ENTSPRECHENDES VORSCHALTGERÄT

Title (fr)

PROCÉDÉ POUR DÉTERMINER DES PARAMÈTRES DE FONCTIONNEMENT D'UNE LAMPE À DÉCHARGE DE GAZ FONCTIONNANT AVEC UN BALLAST ÉLECTRONIQUE, ET BALLAST CORRESPONDANT

Publication

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Application

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Abstract (en)

[origin: WO2009046891A1] In order to determine operational parameters of a gas discharge lamp (L) to be operated with an electronic ballast (V), the cold resistance (Tcold) and the hot resistance (Rhot) of a helix (W1) are determined at at least two different times during the preheating phase. During the preheating phase, the heating power or the heating current is kept constant or alternatively, a predetermined heating power or a predetermined heating current is set at the beginning of the preheating phase. Thus a split of the resistance values during the preheating phase is carried out. The differential resistance (Rdiff) is formed from the hot resistance (Rhot) and the cold resistance (Rcold) and is independent from the start temperature of the helix (W1). The differential resistance (Rdiff) is compared to stored reference values in order to set the operational parameters corresponding to the lamp type on the ballast (V).

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