

Title (en)  
DRIVER FOR AN LED LAMP

Title (de)  
TREIBER FÜR EINE LED-LAMPE

Title (fr)  
DISPOSITIF DE PILOTAGE POUR UNE LAMPE À DIODE ÉLECTROLUMINESCENTE (DEL)

Publication  
**EP 2422583 A1 20120229 (EN)**

Application  
**EP 10717797 A 20100416**

Priority  
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Abstract (en)  
[origin: WO2010122463A1] An illumination device (100), comprises: a current source (1) having output lines (5; 6); a main string (101) of LEDs (LED1,i) arranged in series between the current source output lines; at least one secondary string (102) of LEDs (LED2,i) arranged in series between the current source output lines; and a controllable current limiter (120) arranged in series with the LEDs (LED2,i) of the secondary string (102). In a preferred embodiment, the controllable current limiter comprises: - a transistor (T2) having its collector-emitter path in series with the LEDs (LED2,i) of the secondary string (102); a current sense resistor (R2x) arranged in series with said collector-emitter path; an opamp (121) having an output connected to the transistor's base, having its inverting input connected to said current sense resistor (R2x), and having its non-inverting input connected to a reference voltage level.

IPC 8 full level  
**H05B 44/00** (2022.01)

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**H05B 45/395** (2020.01 - EP US); **H05B 45/46** (2020.01 - EP); **Y02B 20/30** (2013.01 - EP KR)

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