

Title (en)  
COMPACT-TYPE FLUORESCENT LAMP

Title (de)  
KOMPAKTE FLUORESZIERENDE LEUCHTE

Title (fr)  
LAMPE FLUORESCENTE DE TYPE COMPACT

Publication  
**EP 2117031 A1 20091111 (EN)**

Application  
**EP 08711981 A 20080226**

Priority  

- JP 2008053257 W 20080226
- JP 2007049082 A 20070228
- JP 2007048672 A 20070228

Abstract (en)  
It is an object to provide a compact-type fluorescent lamp having eight or more tubes using liquid mercury in which a part serving as a coldest point which is at about 50°C upon lighting is created in a luminous tube distal end portion, and the temperature in the vicinity of a base can be reduced. In a compact-type fluorescent lamp in which a luminous tube is composed of eight or more U-shaped tubes and the mercury vapor pressure is not regulated, the cross section of a vertex portion of at least one of the U-shaped tubes has a shape in which a wide portion is present near a diverging portion of the U-shaped tube, and the shape is tapered from the wide portion toward a distal end portion of the vertex portion; a tube axial-direction inner size L1 of the vertex portion meets the expression,  $11 \# \text{ L } \# \text{ c } 1 \# \text{ } 17$  unit is mm and a tube axial-direction size L2 from the wide portion in the vicinity of the diverging portion of the U-shaped tube to the distal end portion of the vertex portion meets the expression,  $\text{L } \# \text{ c } 1 - 7 \# \text{ } \text{L } \# \text{ c } 2 \# \text{ } \text{L } \# \text{ c } 1 - 2$  unit is mm

IPC 8 full level  
**H01J 61/32** (2006.01); **H01J 5/50** (2006.01); **H01J 61/30** (2006.01)

CPC (source: EP)  
**H01J 61/327** (2013.01); **H01J 61/33** (2013.01)

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