

Title (en)
TUBULAR LED LIGHT FIXTURE

Title (de)
ROHRFÖRMIGE LED-LAMPE

Title (fr)
APPAREIL D'ÉCLAIRAGE À DIODE ÉLECTROLUMINESCENTE TUBULAIRE

Publication
EP 3726126 B1 20220316 (EN)

Application
EP 19211941 A 20191127

Priority
CN 201910320227 A 20190419

Abstract (en)
[origin: EP3726126A1] The invention discloses a tubular LED light fixture, comprising lamp holder; printed circuit board; a plurality of point light sources; lens; strip-shaped convex lens array, located between the lens and printed circuit board and arranged along the length direction of the tubular LED light fixture for converting each point light source into a plurality of consecutive sub point light sources, and the sub point light source converted by the adjacent point light source is connected or overlapped. The invention adopts a strip-shaped convex lens array which forms a line light source only by diffusing light from the point light source only in the length direction of the strip light fixture, preventing light from diffusing in multiple directions, so that the line source is purified. The lens is arranged to perform light distribution in the other direction to the line source, thereby reducing energy attenuation and ensuring the light effect.

IPC 8 full level
F21K 9/27 (2016.01); **F21V 5/00** (2018.01); **F21V 5/04** (2006.01)

CPC (source: EP)
F21K 9/27 (2016.07); **F21V 5/004** (2013.01); **F21V 5/007** (2013.01); **F21V 5/043** (2013.01); **F21Y 2103/10** (2016.07); **F21Y 2115/10** (2016.07)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3726126 A1 20201021; EP 3726126 B1 20220316

DOCDB simple family (application)
EP 19211941 A 20191127