

## **Explosion-protected Luminaire**

### **Abstract:**

The luminaire (10) according to the invention comprises an inner space (15) that is separated into a first section (17) and a second section (18) by a separating wall (16). While the first section (17) is free and comprises at least one light source, an operating circuit (25) for the light source (19) and/or other components that form potential ignition sources and/or other components that may not be considered as ignition sources are arranged in the second section (18). The second section (18) is provided with an open pored fill material. The separating wall (16) comprises at least one opening (22) that allows a flow connection between the two sections (17, 18). The section (18) of the inner space (15) provided with fill material (29) serves as pressure relief volume for the first section (17), in which the light source is arranged. The fill material (29) can fill the section (18) completely or partly.

(Figure 1)