

Will revolutionize the market with circular economy light sources

CTM Lyng has started the development of a series of LED light sources – designed for a long life with recycled materials.

Under the brand name CircuLine™, the Norwegian company are developing a number of products that will be manufactured from recycled materials, and can be recycled again in a perpetual, circular-economy cycle. First out are modern light sources, more specifically LED downlights.

- We will simply ensure that plastic waste can provide something as important as lighting, says CEO of CTM Lyng, Terje Lillemo, who can inform that the company has filed a patent application to produce this type of products in recycled materials.

Also the quality of the products will be better than what exists today, with an improved lifetime.

- Although the LED source itself can light up a room for up to 50.000 hours, the challenge often lies within the LED driver. Therefore, we have started a project that will ensure the lifespan for the entire solution.

Designed for circularity

Due to rising electricity prices in industrialized countries and increased awareness of sustainability, it is expected that global demand for LED downlights will explode in the coming years. But even though a transformation from incandescent bulbs to LED in itself will reduce power consumption considerably, according to Terje Lillemo, there is a large, untapped potential in how the light sources are produced.

- Most light sources today are produced to be thrown away the moment they no longer work, and it does not fit very well into a sustainable mindset.

According to Lillemo, the world is dependent on players who dare to think differently.

- The time it takes to disassemble a traditional downlight, will never justify repairing it. With Circuline, we will make it easy to pick the products apart to, if possible, repair it efficiently, or recycle the parts for use in new products, such as new light sources.

Looking for partners

Although CTM Lyng does not yet have a final product to refer to, the company has chosen go public with the plans to produce circular economy light sources in Norway.

- While CTM Lyng is working hard to develop and produce the new light sources, we rely completely on finding partners who can supply recycled components for the new product line.

Terje Lillemo proposes to manufacturers and companies that want to supply the world with electrical equipment – designed for a long life in buildings and homes all over the world.



About CircuLine™

CircuLine™ is the brand name for CTM Lyng's circular economy product line - which is now under development. First out in this series are LED downlights for buildings and homes. The idea of producing this type of product in recycled material has been applied for a patent, without CTM Lyng being able to go into details for the time being.

About CTM Lyng

CTM Lyng AS is one of Norway's leading manufacturers and suppliers of home security products, welfare technology, energy saving, as well as lighting and heat management, for all types of buildings, known under the brands mKomfy®, Aqua Xpress®, Microsafe®, Centrol® and mTouch Home®.

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CircuLine™ is a series of products that are produced from recycled materials, and designed to be recycled.



- We will simply ensure that plastic waste can provide something as important as lighting, says CEO of CTM Lyng, Terje Lillemo.



"Get in touch if you want to help realize CircuLine™ with us. We need all the help we can get to make circular-economy electrical products a reality."

Terje Lillemo
CEO, CTM Lyng