

**Keep the noise down!**

*Acoustic luminaires from Thorn are top of the class for noise levels, light quality and energy efficiency.*

London, March 2018 – A secondary school in the Austrian town of Anger has given Thorn's [Arena Symphony](#) top marks for lighting in education. A pilot project demonstrated how the sound-absorbing acoustic LED luminaire helps significantly reduce noise levels and boost lighting quality with improved illumination. In addition, the high-efficiency LEDs help cut energy consumption by almost 50 per cent, which means that everyone can benefit from the new installation - including those in charge of the finances.

High noise levels are often seen as just another difficult factor that teachers and students have to deal with. Modern concrete walls, hard flooring and large amounts of glass all reflect (rather than absorb) sound. The echo effect created by this situation can make it difficult to hear the teacher speak, causing students to raise the noise level even further by chatting amongst themselves. Now sound-absorbing Arena Symphony LED luminaires have been shown to improve acoustics and therefore play an active role in boosting learning success.

A classroom and corridor area have been fitted with innovative acoustic luminaires from Thorn as part of a pilot project in the Neue Mittelschule (New Middle School) in Anger in the Austrian federal state of Styria. The suspended sound-absorbing luminaires, which feature both direct and indirect lighting, have also made a great visual impact by creating a modern image and generating a completely new atmosphere in the classroom.

The Arena Symphony suspended fitting combines LED modules with sound-absorbing material inserts. Clients can also specify blank modules made from acoustic material in the same design, helping this versatile system to meet the technical lighting and acoustic requirements of any space.

The LED luminaires in the refurbished spaces have saved 45 per cent energy, delivered an even lighting level of 300 lux and cut the reverberation time<sup>1</sup> in half. Head teacher Karin Strassegger sees the specification of Thorn Arena Symphony luminaires as a major step forward for everyone involved, with an overwhelmingly positive response from both teachers and students. The local education authority for the Austrian county of Styria has also declared the pilot project a success: “This modernisation has significantly improved the learning environment for students and the working conditions for teaching staff.”

**(Photo Credits Thorn)**



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<sup>1</sup>Reverberation time is a measured variable to determine how long a sound takes to drop by 60 decibels.



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### **Information**

This press release and high-resolution images can be downloaded from:  
<http://www.thornlighting.com/en/about-us/press>

### **About Thorn**

Thorn Lighting is a renowned global manufacturer of indoor and outdoor luminaires with integrated controls. Our mission is to give people throughout the world access to great lighting. Our high performance lighting solutions can be found in many different applications such as sport, road, tunnel, cityscape, office, education or industry.

Founded in 1928, we have years of experience in providing lighting solutions. Leveraging our research and development facilities, we actively work to promote the correct lighting standards and are uniquely placed to combine the latest lighting technology with our specialist expertise in lighting development. We focus on digitally-integrated, sustainable solutions through the latest lighting controls technology. Our aim is to exceed the requirements of customers all over the world to become the trusted, reliable, professional long-term partner for cost-effective lighting.

We offer energy savings without compromising performance, efficiency and comfort. To achieve a lighting solution where aesthetics, optical performance and energy consumption are all in perfect balance is at the core of what we do. Our lighting solutions are easy to specify, install and maintain. Thorn is part of the Zumtobel Group.

Further information can be found at [www.thornlighting.com](http://www.thornlighting.com)

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