

Advanced LED technology that protects the precious night skies.

NightTune from Thorn, is the latest technology in lighting that meets the needs of the delicate night ecosystem and the safety of people.

Dornbirn, Austria / November 2020 - Thorn have created the optimal dark skies solution for lighting designers. The new NightTune technology delivers the perfect lighting solution for people and their safety, while respecting nocturnal biodiversity. NightTune adjusts the level of light emitted by a light fitting and its colour temperature to suit the exact time of night, level of traffic and the people and creatures that inhabit the lit environment.

Maxime Blanchon, Thorn's Senior Director of Urban Life Lighting understands the challenges of lighting at night faced by designers and urban planners and has supported his team to create exacting solutions.

"By placing the right level of innovation at the heart of each project, we humbly contribute to "designing the future". The mission of my team is to help cities and outdoor places to reveal their nightlife potential by adapting to their cultural, aesthetic and ecological needs. The new NightTune technology does this."

Protecting the dark skies

The outdoors are lit at night in order to open up urban spaces , to breathe life into them and to create safe environments for us all. However, we have to be considerate in doing this. The night skies are extremely precious and have to be protected as much as possible. Spill light should not affect people or disturb residents. Equally important is the need to not interrupt animal behaviour, leaving nocturnal life vulnerable and unable to find shelter and food.

Delivering the responsible balance in night lighting

Designers and planners have to be responsible in how they use light at night. It has not been possible to find an easy and effective solution to this problem and that is why Thorn created NightTune. It has been carefully designed to optimise night lighting while having the minimal impact on the lit environment and its ecosystem.

Maxime Blanchon wants citizens to experience the benefits of the ever improving LED technology. “In urban landscapes, think comfort! LED technology has now reached a high enough level to also enable citizens to enjoy its benefit through controlled illumination: Indirect lighting, diffusers, foils, louvres, lower current, motion detection, and warmer colour temperatures, all can be considered in urban projects to allow each place to develop its nightlife in the best conditions.”

Warm and cool LED working in combination

NightTune works by mixing light from warm and cool LEDs. By dimming the two groups of LEDs up and down separately, colour temperatures ranging from a warm 2200K to a moderate 3000K can be achieved, at different levels of brightness.

Phases of the night sky

Thanks to NightTune, light colour can change with time. In the evening when vehicles or pedestrians are moving around, NightTune provides a moderate colour temperature. During the middle of the night when roads are quiet, the output of the cool LEDs is reduced, so that the light becomes dimmer and warmer.

It creates a more comfortable atmosphere while saving energy, preserving safety perception and respecting the nocturnal ecosystem. As morning approaches and traffic returns to the streets, the output of the cool LEDs increases to provide brighter, natural light that meets the higher safety demands.

Images

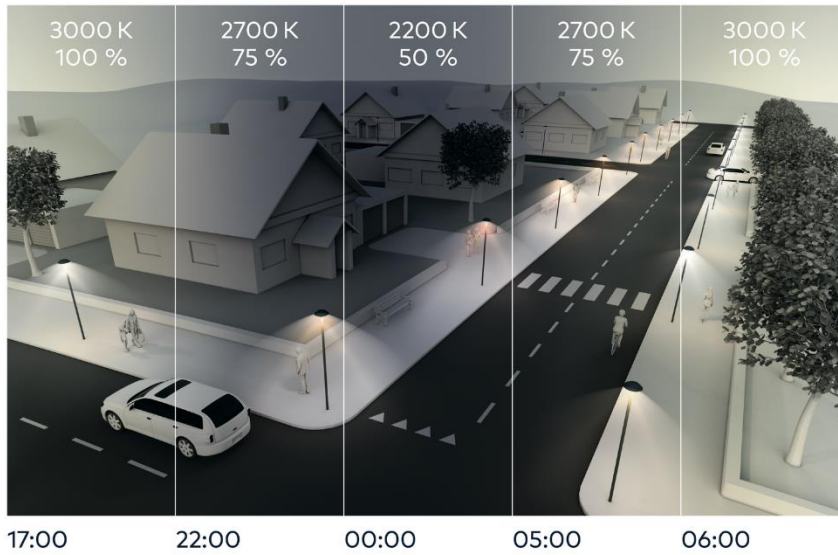
(Photo credits Thorn)



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Video

<https://www.youtube.com/watch?v=YKEDnjjYGXw>

Information

This press release and high-resolution images can be downloaded from:

www.thornlighting.com/en/about-us/press

About Thorn

Thorn designs and develops innovative, performance-driven and dependable indoor and outdoor lighting and control solutions. Our comprehensive portfolio addresses the daily requirements of municipalities, contractors, consultants, architects, installers, wholesalers and end users. It covers a broad spectrum of applications, including office, education, industry, urban life, transportation, sports, road, parking and also emergency and control solutions. Around the world, the Thorn name is synonymous with proven quality, reliability and efficiency. With over 90 years of lighting experience, we have established ourselves as a trusted partner committed to providing customers with support that goes far beyond the product. We help to improve public and traffic safety in communities with intelligent solutions and better connectivity. Thorn is a proud member of the Zumtobel Group and fully dedicated to providing the right light for people, places and the environment. In all of our efforts: We make light work for you. Learn more at www.thornlighting.com

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