



COOLSTAR®



MechaTronix unveils CoolStar® series of designer LED coolers

“Because looks do count”, that was the basic idea when MechaTronix started to develop their next platform of spot light, down light and shop light coolers... Inspiration for the design was searched in natural elements which express the feeling of cool or cold.

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The result is an impressive series of new LED coolers with a stunning high end look. Koen Vangorp, CEO of MechaTronix “Although the first priority of a LED cooler remains a maximal cooling capacity in a limited volume, also the looks of the product are of great importance. Even recessed downlights and shop lights, where the majority of the volume is hidden in the ceiling, first need to be sold to the customer. And during that decision phase the LED cooler takes a big part of the looks for its account.”

The CoolStar® family covers the whole range of cooling capacity from 1000 lumen all the way up to 6000 lumen, what positions them as well in the spot light developments as in the down light and shop light luminaires. The modularity in LED engines which can be mounted either directly or with a LED holder (ref. BJB, TE Connectivity, Bender Wirth) is respected on each design. On top of that some practical features have been added, like two closed wire pockets at the sides which allow to guide the wiring from the LED engine to the back side outside the visible field. Besides the black anodized versions which are commonly used, MechaTronix has also opted this time for a “pure white” electro-plating as an option, underlining the high-end looks and blending with the mostly white looks of both the LED engines and the LED holders.



▲ CoolStar® White 8630 with Xicato XIM 3000 lumen designer series.

Koen Vangorp “The biggest challenge was for sure to reach the uncompromised cooling performance the CoolStar® stands for without losing the looks we had in mind. It took us over six months and an endless amount of CFD thermal simulations to get to perfection. Certainly in the smallest diameters a very big step forward was made in cooling performance with a gain of over 35% compared to similar diameters on the market. Also this time we played on safe... patenting the whole series according the Hague System, which gives us design protection in all major parts of the world.”

The CoolStar® LED coolers will be presented at the Light + Building show in Frankfurt Germany, while global stock is under production to launch by end of February. MechaTronix is globally represented in 61 countries through 87 specialized distributors and has central warehouses in Taiwan, Hong Kong and The Netherlands.

For more information on the CoolStar® LED Coolers please contact MechaTronix on led@mechatronix-asia.com or visit www.led-heatsink.com

ABOUT MECHATRONIX

MechaTronix was founded as a creative designer & manufacturer of high end mechanical plastic & metal parts. With its Asia-based headquarters in Kaohsiung Taiwan, MechaTronix became a powerhouse at designing and manufacturing heat sinks and thermal solutions for OEM and LED lighting applications. Strategic partnerships with major LED manufacturers and sharing our thermal knowledge with their luminaire designers are our core missions. Simple passive cooling, advanced heat pipe technology or active cooling solutions? MechaTronix offers of the shelf and tailored solutions to its worldwide professional customer base. For more information about the company, please visit : www.mechatronix-asia.com

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