

# MechaTronix in LED



## Standard led coolers gain traction – MechaTronix enters eco partnership with Osram

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While LED COB modules are more and more seen as a commodity product, also the related accessories around enter the same era. The importance of easy off-the-shelf availability, proven quality and validated technical ability grows every day for lighting parts like reflectors and lenses, led drivers and LED coolers.

Osram Opto Semiconductors launched recently the Soleriq P and Soleriq S chip-on-board LED modules, while Osram Lighting announced the 4th generation of the PrevaLED Core. MechaTronix, based in Kaohsiung Taiwan and specialized in the development and manufacturing of passive LED cooling, has entered an eco-partnership with both tier one LED manufacturers to make a broad range of standard LED coolers available.

The MechaTronix LED coolers for Osram are developed in this way that an optimal thermal performance can be obtained from minimal outer dimensions. In this way lighting designers save more space which they can use for aesthetic designs, or can miniaturize their creations. Besides mounting holes that allow for direct fitting of the LED modules on the coolers, MechaTronix ran an extensive thermal validation program under various driving currents. In this way the designers obtain a good insight in the junction temperatures they will obtain even before starting their new designs, guaranteeing that the final luminaires will meet the lifetime expectations the end user counts on.

At time of press fourteen standard LED coolers have been made off-the-shelf available for the new Osram products, ranging from passive pin fin and star LED coolers in a diameter of just 47mm for compact spot lighting over high performance passive coolers for shop and down lights up to an active cooler for extreme lumen high bay applications.

Details on the LED coolers can be found on the brand new Osram LLFY (Led Light For You) selector app

<http://www.ledlightforyou.com/Services/en-App.php> and on the specific Osram led cooler selection pages from MechaTronix <https://www.led-heatsink.com/osram-led-cooling/> and <https://www.led-heatsink.com/osram-os-led-cooling/>

### 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](http://www.mechatronix-asia.com)