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Crystal Ware – Turning Light Emitting Semiconductor Components Into Illuminaire Solutions

Semiconductor companies are used to handle yield, nano meter effects in the manufacturing process and high precision mounting technologies with minimized tolerances. In this high-tech industry the introduction of the LED is a real breakthrough in light. It has the potential to be the perfect lighting solution. But, both durability of the LED and guaranteeing the color temperature and the higher color rendering over lifetime are still challenges to semiconductor manufactures.

In addition, both traditional lighting designers and the lighting industry are trained to use a standard illuminant, like the bulb, and not “just a piece of solid-state LED emitters and chips”.

Both Camps -standalone- are not able to make use out of the disruptive power of the LED. It needs a 3rd party: strategically aligned with the technology possibilities, deep understanding of lighting and be able to blend seamlessly optical design, mechanical design, and thermal management - providing "Crystal Ware": application-specific and tailored optical components.

This core innovation will expand the industry horizon - going for light in the post recession economy.