

PrentaLux, or printed light, blends artistry and technology

Cooper Lighting Solutions' latest innovation opens new possibilities for designers

PEACHTREE CITY, GA (Oct. 10) – Cooper Lighting Solutions introduces a new way to manufacture lighting products using 3D printing technology, which allows for beautiful designs, textures, and shapes that are distinctive and adaptive. The PrentaLux brand, meaning “printed light,” includes 20 products with numerous texture and color choices, as well as multiple lumen outputs and color temperatures. With so many flexible options available through 3D printing, designers can create lighting installations fully customized to their needs.

The advancing technology of additive manufacturing enhances the aesthetic and performance value of the PrentaLux product series. 3D printing technology gives the client the ability to choose, influence, and relay design parameters in the form of inspired textures, logos, design patterns, as well as the shape and color that meets the customers' requirements. This makes PrentaLux an especially appealing offering for national accounts, where clients can connect with their corporate branding identities through lighting their interior design. Subtle or bold logo textures can be personalized and help create company culture by connecting the environment to its inhabitants.

The manufacturing process is inherently sustainable, reducing the CO2 footprint by up to 75% compared to traditional aluminum die casting production methods. The smart designs use no paint and fewer parts overall, minimizing resource use and potential waste. Furthermore, the lightweight polycarbonate requires less energy to ship. The reduced resource and transportation footprint, together with the standard use of LED lights, make 3D printed luminaires one of our most energy efficient solutions from production to end-use.

“PrentaLux is another way we are pushing innovation and sustainability in the lighting industry,” said Kraig Kasler, President, Cooper Lighting Solutions. “By leveraging technology, we are able to create custom, energy-efficient, sustainable solutions while increasing the speed of design and manufacturing for customers in today's complex supply chain environment.”

“The unique value that 3D printing brings to lighting is connecting design and technology to the decisions of the customer that enhances their space, the way they want.” added Sohana Arni, Director of Marketing and Design, 3D Printing. “We are working with an extended design community to continue developing and iterating on new designs, materials, and techniques, that can be delivered in much shorter development cycles than traditional manufacturing methods.”

PrentaLux 3D Printing products are positioned for hospitality settings as well as when performance lighting is needed. Mixing different lighting shapes and colors will also generate the best combination of aesthetics that can help define mood, ambiance, and adequate levels of light. Learn more at CooperLighting.com.

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About Cooper Lighting Solutions

Cooper Lighting Solutions delivers forward-thinking lighting solutions and an industry-leading portfolio of indoor and outdoor lighting, lighting controls and smart lighting systems that improve people's well-being, while making buildings, homes, and cities smarter and more sustainable. These solutions are specifically designed to simplify and personalize lighting, solve complex business challenges, and leverage data insights to meet the unique needs of our customers. Cooper Lighting Solutions is a business unit of Signify, the world leader in lighting, and seeks to unlock the extraordinary potential of light for brighter lives and a better world. For more information, visit cooperlighting.com.