

VOSSLOH-SCHWABE CHOOSES LATICONTHER FOR STREET LIGHTING

Vossloh-Schwabe has selected LATICONTHER by **LATI** Industria Termoplastici S.p.A. for its new line of replacement kits designed for street lighting, marking a significant step towards innovation in the LED artificial lighting sector.

The evolution of design has led to increasingly complex challenges, from the replacement of traditional aluminum heat sinks to innovative solutions that integrate advanced thermal performance. LATI's modern plastic materials and design expertise have enabled the creation of thermally conductive housings and heat exchangers for LED lamps, effectively addressing market needs.





FEATURES OF THE NEW „BRAVE“ LINE

The replacement kits of the Brave family can house up to 24 LEDs inside an enclosure made of **LATICONTER 62 GR/50**, frontally sealed with a glass plate that guarantees IP66 protection. These solutions are capable of **handling electrical power exceeding 40W and delivering luminous flux up to 7,000 lumens**. The radiating surface made of thermoplastic material, with compact dimensions (231.6 mm x 182 mm), allows for effective heat dissipation, even in challenging environments such as tunnels or industrial warehouses.

The design of the Brave kits stands out for its optimal management of LED temperatures, achieved through a natural convection system, **without the need for forced ventilation or oversized fins**.

A FRUITFUL COLLABORATION

The partnership between Vossloh-Schwabe and LATI is not new: since 2011, the two companies have been collaborating to integrate advanced technical solutions in the lighting sector. The introduction of graphite-loaded LATICONTHER compounds has enabled the replacement of aluminum in lower-power lighting sources, contributing to improved sector performance.





SUSTAINABILITY AND INNOVATION

The choice of the LATICONTHER 62 GR/50 material is not only a technical decision but also a responsible one from an environmental sustainability perspective. The density, just above 1.5 g/cc, and the reduced carbon footprint of the LATICONTHER compounds were discussed in detail during a recent LATI webinar, highlighting the company's commitment to sustainable practices. For a further improvement towards **sustainability**, it is available the same compound obtained from chemically recycled PA6, the **LATICONTHER 62 CR GR/50**.