

Global Synthetic Quartz Glass UV-LED Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Synthetic Quartz Glass UV-LED market size is expected to reach \$ 502 million by 2032, rising at a market growth of 9.9% CAGR during the forecast period (2026-2032).

Synthetic Quartz Glass UV-LED refers to a kind of high-performance ultraviolet light-emitting diode that adopts synthetic quartz glass as its core optical component, including substrate, window, lens or packaging cover. It features extremely high ultraviolet transmittance, outstanding thermal stability, strong resistance to UV degradation and excellent airtightness. Compared with conventional glass or plastic packaging materials, it can effectively maintain high light output, long-term reliability and service life, especially for UVC/UVB deep ultraviolet bands. It is mainly used in sterilization, water treatment, industrial curing, medical detection and other professional scenarios. Price: Single small-power UVC quartz LED is about 2–8 USD; industrial high-power / high-power density modules are 50–300 USD; customized DUV grade (

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