

LEDcure SZ - Aircooled

Integration Technology introduces the next generation of its UV LED family the SZ LEDcure. With upto 14 w/cm² peak irradiance and a lightweight construction, the SZ LEDcure has been specifically designed for the Wide Format Printing industry.

The Research and Development team at ITL have used all of the proven features and benefits of their existing LED systems and refined them to new levels in a market leading new air-cooled UV LED Curing device. When compared to the older generation of LED systems, remarkable progress has been made in the drying performance of SZ LEDcure.

By combining and integrating ITL's latest XT8 high efficiency array and VARICool technologies, the SZ LEDcure enables users to achieve higher efficiency and more output in terms of both intensity and dose.

High-performance LEDs

SZ LEDcure is ready to use immediately after switch on, there is no warm-up or cooling times, which saves both time and energy. LEDs have a long service life of greater than 20,000 hours, and in addition modules in the SZ LEDcure can be easily replaced if required for either upgrade or servicing. Available wavelengths: standard 395 nm, or alternative wavelengths of 365nm, 385nm, 405nm, or mixed wavelength arrays are available on request.

Warranty

Integration Technology grants a warranty of five years on each XT8 LED module. Older systems can also be upgraded with the XT8 technology, then this warranty also applies those modules.

New UV LED systems from ITL are all fitted with the innovative XT8 boost technology as standard.



XT8: UV LED Booster

With XT8 UV LED Booster technology, the system reaches an extremely high output and dose which greatly increases cure speeds offering customers a wider choice in all applications. An extended service life is achieved since the semi-conductor chips are not being driven as hard when compared to other products on the market. The 30% boost in efficiency is available for systems fitted with 365, 385, 395 or 405nm or mixed wavelength arrays, first introduced by ITL in 2010.

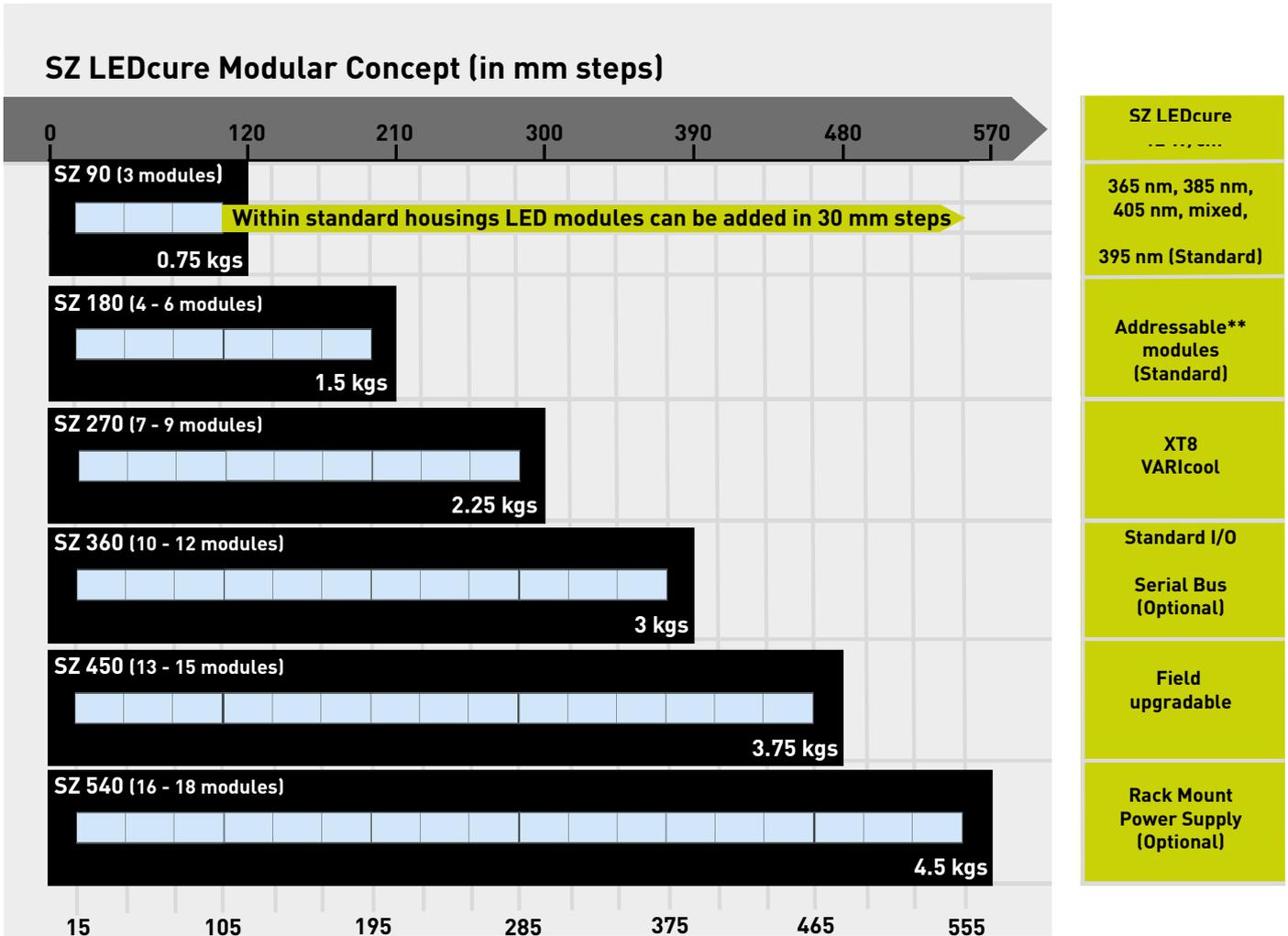


VARICool Technology:

The VARICool controls the cooling according to ambient temperatures delivering a consistent output in all working environments while minimising the noise and turbulence normally associated with fan cooling.

High Flexibility

SZ LEDcure is specifically designed for the needs of the Wide Format Printing industry with up to 14W/cm² output. The modularity of SZ LEDcure allows to fully customize the system in a single housing, greatly simplifying cabling. Sizes of housings are specially designed to fit in all different models of printers with bus connectivity available as an option. According to the print width, LED arrays can be switched on/off (Addressability) or added inside the housing in 30mm steps.



SZ LEDcure head input voltage: 48 v.d.c.

Operating temperature: <40°C

Noise: decreased noise by VARIcool

Cable length: 8 m (High Flex) for drag chain standard (alternative lengths available)

Dimensions of LED head: Width 70mm x Height 202mm, Emitting Window: Width 20 mm

SZ LEDcure is designed as LED head only option. Integration Technology will provide all relevant protocol information required and support potential clients with furnishing their own power supply units. Alternatively the SZ LEDcure can be supplied as fully configured package including cables and power supply.

* 395nm at the emitting window using an EIT Power Map UUV sensor

** Addressability patented by European patent: EP1599340/ GB2399162, Cross licence with Lumen Dynamics Group Inc. U.S. Patent No. 6,683,421

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