



VZX 22W/CM² UV LED

INNOVATIVE, AIR-COOLED UV LED



The VZX is a groundbreaking innovation with 22W/cm² of super high dose UV output bringing air cooled LED technology into the domain only previously possible with water cooling techniques. The VZX is especially suited to high speed single pass applications in graphics or industrial applications. In recent years the Integration Technology MZ, SZ and VZ products have been established as some of the world's leading UV curing systems for ink-jet and wider applications. Now Integration Technology is introducing the next generation of the family; the VZX.

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 the VZX.

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

HIGH-PERFORMANCE LEDS

VZX 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 VZX can be easily replaced if required for either upgrade or servicing. Available wavelengths: standard 395nm, 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 to 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.



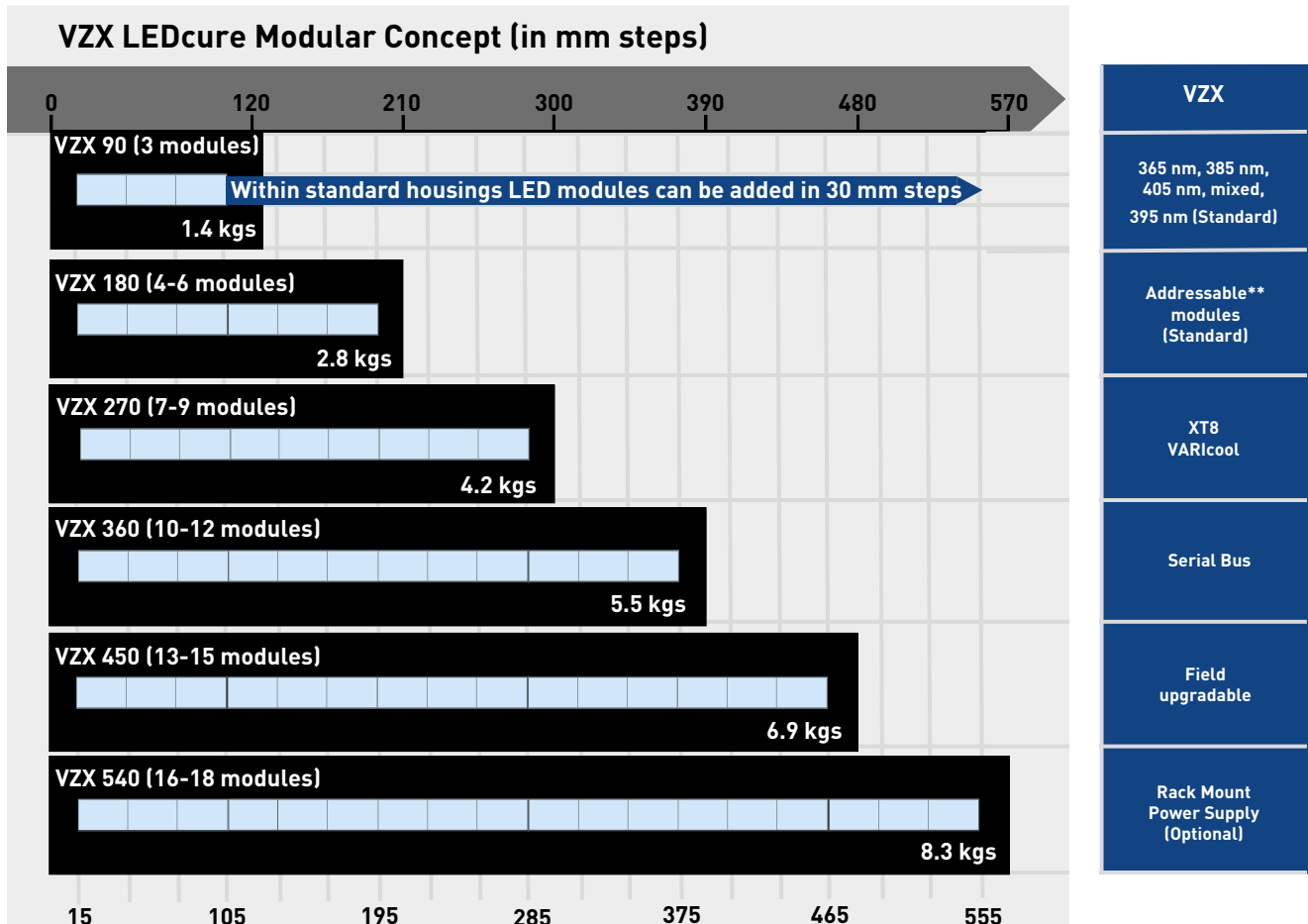
VARICOOOL TECHNOLOGY:

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

VZX LEDcure is specifically designed for the needs of the Wide Format Printing industry with 16W/cm² output, yet 20% more dose than it's sister product the SZ LEDcure. The modularity of VZX 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 standard. According to the print width, LED arrays can be switched on/off (Addressability) or added inside the housing in 30 mm steps.



- **VZX head input voltage:** 48 v.d.c.
- **Operating temperature:** <40°C
- **Noise:** decreased noise by VARlcool
- **Cable length:** 8 m (High Flex) for drag chain standard (alternative lengths available)
- **Dimensions of LED head:** Width 70 mm x Height 202 mm, Emmitting Window: Width 20 mm

VZX 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 VZX LEDcure can be supplied as fully configured package including cables and power supply.

* 395nm at the emmitting window using an EIT Power Map UVV 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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