

A manufacturing feature: Smart Shield



Zaneen's Exterior division offers a special European partner delivering exceptional experience with their innovative design and a state-of-art production process.

Based in Lissone, Unonovesette manufactures high quality and functional exterior lighting systems. Specializing in outdoor architectural lighting, Unonovesette's proprietary Smart Shield System is recognized as one of the best working protection systems in the industry for outdoor spots and in-ground uplights.

The Unonovesette Smart Shield technology was designed to provide complete protection for the company's portfolio of exterior luminaires. This in-house developed system provides peace-of-mind, risk-free operation and installation, and full protection of the components and electronics within each luminaire.

- The Smart Shield protects against polarity inversion; an integrated super fast diode prevents accidental damage to the luminaire during installation due to reverse polarity.
- Smart Shield protects against 'hot-plugging'. Fully integrated spike-reduction protects the constant-current driver and prevents damage to the LED die surface.
- A High Voltage (HV) LED driver guarantees normal operation during transient spikes of the input voltage.
- A patent-pending solution places a barrier preventing potential ingress of water from the cable entry due to the capillary action effect.
- In the unlikely event of any faults, an integrated fuse protection prevents issues caused on the installed chain of products.



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