

# NS Series™ LED Chips

**Peak Output** NS arrays provide up to 42W/cm<sup>2</sup> core power depending on class, and provide thousands of hours of useful curing life without degradation



**Condensation Resistant** sealed micro-climate for LEDs provides an unprecedented level of protection from condensation damage, a common cause of early LED failure



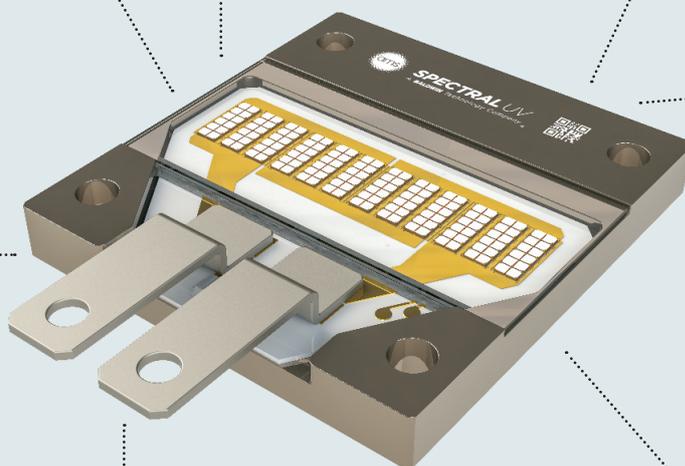
**Contamination Proof** durable window seals LEDs into a cleanroom environment, and protects against the ingress of dust, mist and contaminants that could shorten the lifespan of the LEDs



**Ceramic Core™** provides the most advanced thermal conduction and electrical isolation possible for long life and exceptional performance, including CLASS 1 electrical circuit isolation - the highest standard in the world



**Surge Guard™** built-in integrated circuit protection eliminates the potential for damage from transient voltage surges caused by mains power fluctuations or the switching of neighboring equipment



**Dura Shield™** durable chip package construction tested for thousands of hours in real-world conditions is impervious in tough production environments and routine handling



**MultiWave™** Wide Spectrum capability is optionally available for easy mixing of wavelengths from 340-450nm with uniform blending to take advantage of the widest variety of UV ink/coating formulas



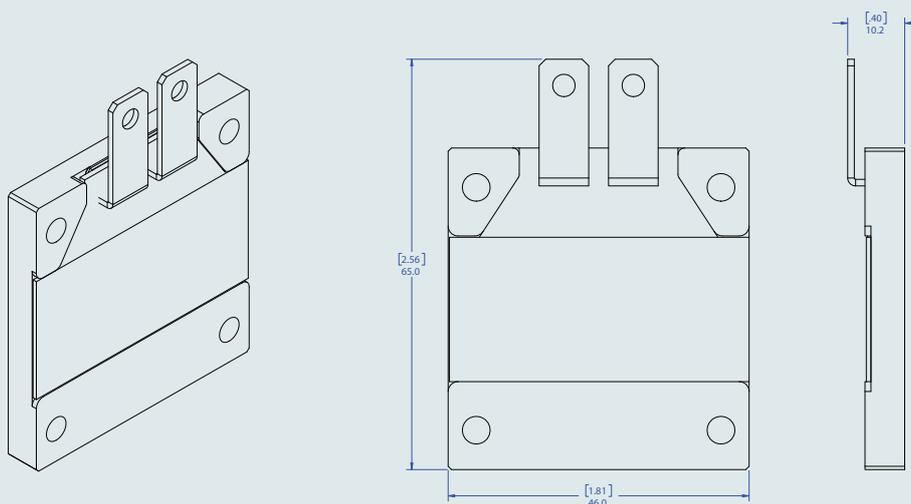
**SPECTRAL UV**<sup>®</sup>  
A **BALDWIN** Technology Company



## NS Series™ LED Chip Arrays

LED curing power begins at the core via the chip array. Introducing the most powerful and rugged big chip COB array available for high power UV LED curing. Unlike conventional flood-style LED packages, NS chips are tightly packed into a solid "line of light", that when combined with AMS Spectral UV's patented Peak Optics™, create the highest collimated intensities available at any working distance via a single optic. Available in core power options of 32 and 42 W/cm<sup>2</sup>, and designed for extreme durability and ease of maintenance, the NS Series LED Chip Arrays are the answer for today's most demanding curing applications.

### Key dimensions



### Key features

-  Optical power intensity: 32 W/cm<sup>2</sup> (NS 72), 42 W/cm<sup>2</sup> (NS 144)
-  Wavelengths available: 340, 345, 365, 385, 395, 405nm
-  Condensation, contamination and water resistant
-  Power: 400 Watts (NS 72), 600 Watts (NS 144)
-  Field serviceable
-  MultiWave Wide Spectrum capable up to 3x blends