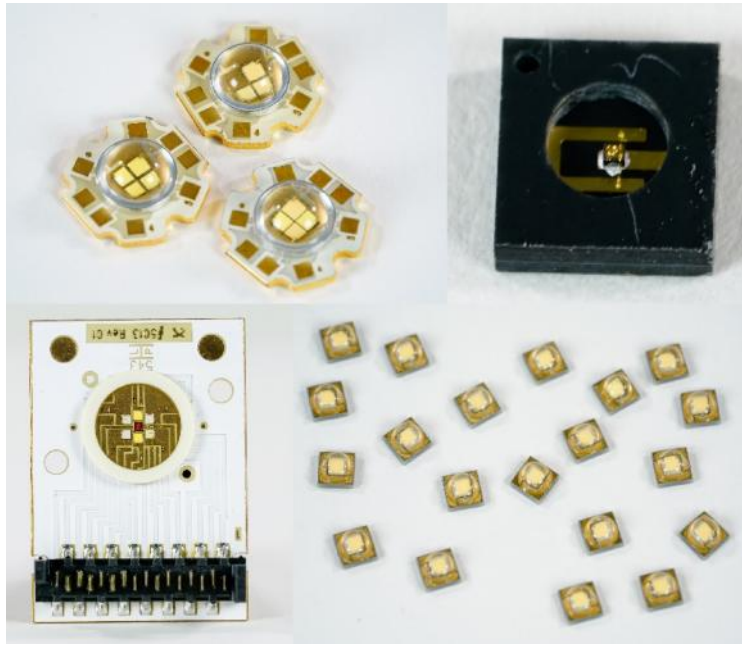


## Excelitas Chip-on-Board Product Family



### Overview

At Excelitas, we are focused on helping our customers accelerate LED-based lighting designs, which are innovative and energy-efficient. While all LED designs have energy-efficiency in common, we recognize that every solid state lighting application is different and each customer has unique requirements. Whether your goal is reducing power consumption, reducing heat output, meeting tight binning requirements, stable multi-year supply, high CRI, adhering to tough regulatory requirements— or all of these objectives—we specialize in customer specific designs for your most demanding applications.

Excelitas' Chip-on-Board product family offers superior configuration options from our standard platforms as well as complete customized design for your unique requirements. Whether your application requires a single chip, 4-chip, or 9-chip array, or even an 18 wavelength array, Excelitas has the solution.

### Key Features

- High Light Flux
- Excellent thermal properties
- Near-Lambertian Emission
- Ideal for color mixing
- Customized spectrum
- Guaranteed minimum values
- Customized testing and binning
- Efficient light collection options
- ROHS Compliant

### Ideal for

- Medical illumination
- Surgery lamps
- Dental exam lights
- High Quality lighting
- Analytical Instrumentation

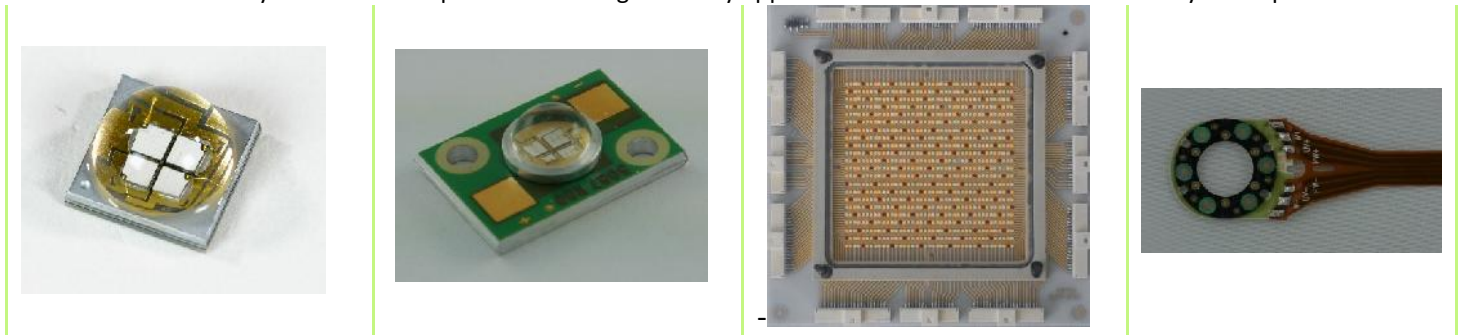
## Standard Platforms

Standard Options				
Platform	Image*	Description	Wavelength Options	White LED Option?
<b>CERLED™</b>		-Single chip < 14mil -Ceramic or FR4 Base -3.2mm x 1.6mm	460nm - 940nm	No
<b>APOLED</b>		-Single chip -Ceramic base -3.3mm x 3.3mm	395nm - 1050nm	Yes CCT: 2.700K - 10.000K Typical CRI: Ra - 95 R9 - 95 R13 - 93
<b>ACULED™</b>		-4 up to 7 different chips -Metal core base -Through hole design -Integrated lens options	395nm - 1050nm	
<b>9-Chip Array</b>		-Up to 9 different chips (common anode) -Metal core base -Connector on board	395nm - 1050nm	Up to 9 chips maybe white

\*Images not to scale

## Custom Platforms

Excelitas also offers fully customized Chip-On-Board designs for any application. Please contact us to discuss your requirements.



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