LUMILEDS

LUXEON
Color Portfolio

LUMILEDS

LUXEON COLORS

WHITE

FAR RED

DEEP RED

RED

RED-ORANGE

PC RED-ORANGE

AMBER

PC AMBER

MINT

LIME

GREEN

CYAN

BLUE

PC BLUE

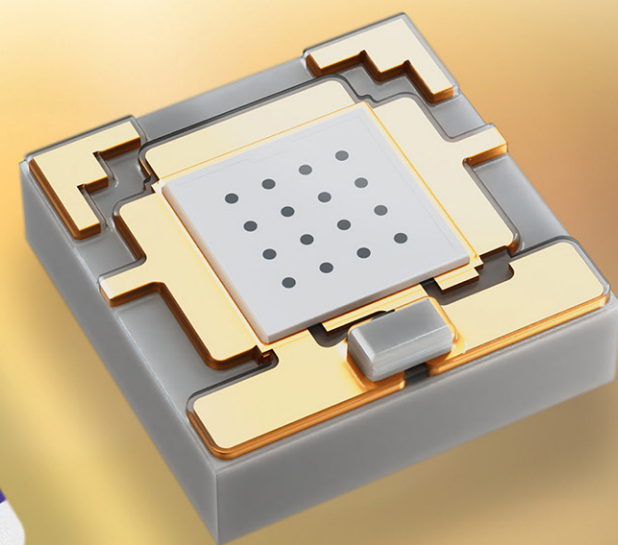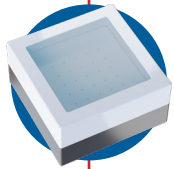ROYAL BLUE

VIOLET

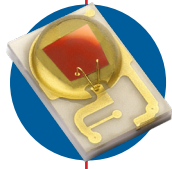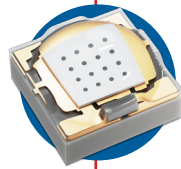# LUMILEDS LUXEON Color Portfolio

High-power LEDs

Tiny 1414 package footprint

LUXEON RUBIX

High efficiency and broader spectral coverage
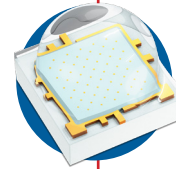

LUXEON REBEL COLOR LINE

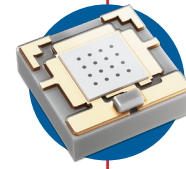Widest color line-up and single focal length

LUXEON C COLOR LINE

Maximum density and minimal area for color arrays

LUXEON C ES COLOR LINE

Widest color line-up and narrow beam angle

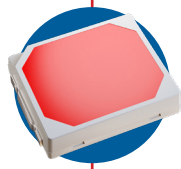

LUXEON CZ COLOR LINE

Micro footprint, ultimate design flexibility
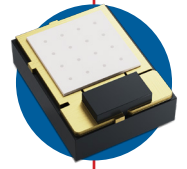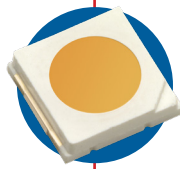

LUXEON Z COLOR LINE

Mid-power LEDs

Smaller footprint

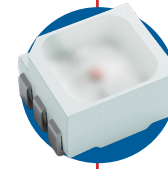**LUXEON 2835 COLOR LINE**

Higher flux

LUXEON 3535L COLOR LINE
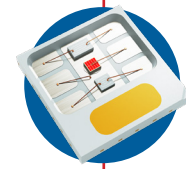
Multi-color Packages

RGB

Low profile, smaller footprint

LUXEON 3528 RGB

RGB + Royal Blue and White

Easy color tuning

LUXEON 5052 RGBW

LUMILEDS — LUXEON Color Portfolio

Offering the industry's broadest portfolio of color LEDs, Lumileds offers multiple options so that customers can realize their individual vision for a world in color.

		FAR RED	DEEP RED	RED	RED-ORANGE	PC RED-ORANGE	AMBER	PC AMBER	MINT	LIME	GREEN	CYAN	BLUE	PC BLUE	ROYAL BLUE	VIOLET	WHITE
High-Power	LUXEON Rubix			✓				✓		✓	✓	✓	✓		✓		
	LUXEON C	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	LUXEON C ES		✓	✓			✓	✓	✓	✓	✓	✓	✓		✓		
	LUXEON CZ	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	LUXEON Z		✓	✓			✓			✓	✓				✓		
	LUXEON Rebel	✓	✓	✓	✓	✓	✓			✓	✓	✓			✓		
	LUXEON FlipChip														✓		
Mid-Power	LUXEON 2835	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓		
	LUXEON 3535L			✓	✓			✓		✓	✓		✓				
Multi-Color Package	LUXEON 3528			✓							✓		✓		✓		
	LUXEON 5052			✓							✓		✓		✓		✓

White CCT and CRI Options in Lumileds LUXEON Color Portfolio

Product	Key Features	LUXEON C Color Line	LUXEON CZ Color Line	LUXEON Rubix	LUXEON 2835 Color Line	LUXEON 5052 RGBW
5700K	60	–	–	✓	–	–
4000K	70	✓	✓	–	–	–
5000K	70	✓	✓	–	–	–
5700K	70	✓	✓	–	✓	–
6500K	70	✓	✓	✓	–	✓
2200K	80	✓	✓	✓	–	–
2700K	80	✓	✓	✓	–	✓
3000K	80	✓	✓	✓	✓	✓
3500K	80	✓	✓	✓	–	–
4000K	80	✓	✓	✓	✓	✓
4500K	80	–	–	✓	–	–
5000K	80	–	–	–	–	✓
6500K	80	–	–	✓	–	–
2200K	90	–	–	–	–	✓
2700K	90	✓	✓	✓	–	–
3000K	90	✓	✓	–	–	–
4000K	90	✓	✓	–	–	–
5700K	90	✓	✓	–	–	–

## The LUXEON Color Portfolio

Product	Key Features
LUXEON Rubix	Smallest size with high drive current. Ideal for multi-color clusters under a single optic
LUXEON C Color Line	Optimized for use with secondary optics. Very high punch (Cd/lm) and smooth color mixing
LUXEON C ES Color Line	High drive current enables output to be maximized and LED count minimized
LUXEON CZ Color Line	Undomed emitter designed for maximum punch (Cd/lm) and superior performance across applications
LUXEON Rebel Color Line	High efficacy 350mA emitters in 11 colors and a common focal length with LUXEON Z and LUXEON 3535L
LUXEON Z Color Line	Highly efficient color mixing. Convenient above-blackbody color point. Small 1.3mm x 1.7mm footprint offers unique configuration arrangements
LUXEON 2835 Color Line	13 colors and three CCTs of white. All with a consistent footprint to simplify solution engineering
LUXEON 3535L Color Line	Industry standard package that shares a common focal length with LUXEON Z and LUXEON Rebel
LUXEON 3528 RGB	Compact, low profile package just 1.75mm tall. IPX8 water resistant
LUXEON 5052 RGBW	4-in-1 package with choice of RGB and Royal Blue and White

ECOSYSTEM

Select pre-qualified, off-the-shelf components to aid in complete system design.
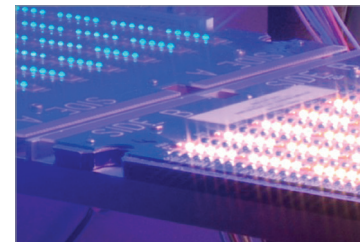
LED SPECTRUM MIXER
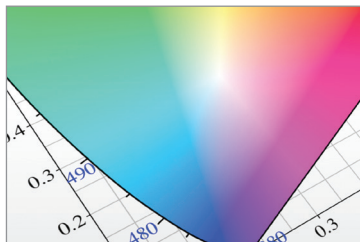
Calculate the color (white or color) that will be achieved by combining different LEDs into one application.

SYSTEM CALCULATOR

Calculate the overall system performance based on design inputs.

LM-80 REPORTS

Generate LM-80 reports for specific Lumileds LEDs.

Please check out our ecosystem support at lumileds.com/designtools

About Lumileds

Lumileds is a global leader in LED and microLED technology, innovation, and solutions for the automotive, display, illumination, mobile, and other markets where light sources are essential. Our approximately 3,500 employees operate in over 15 countries and partner with our customers to deliver never before possible solutions for lighting, safety, and well-being. To learn more about our company and solution portfolios, please visit lumileds.com.

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