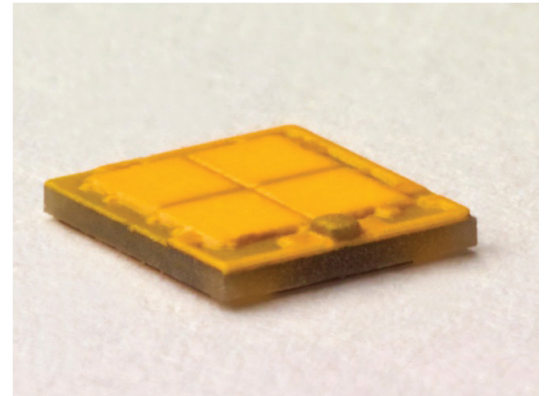
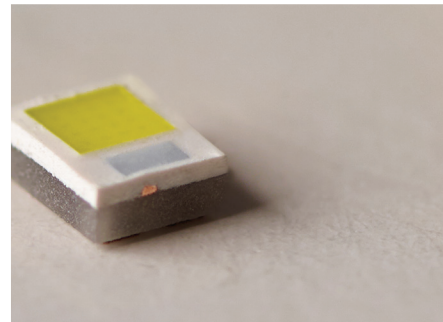
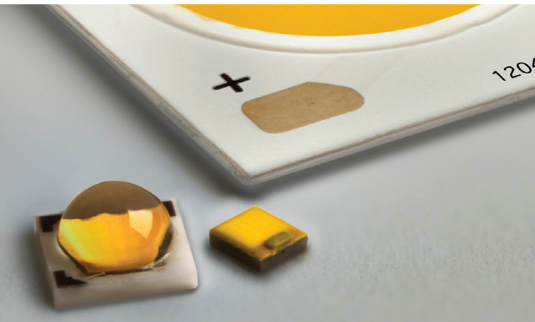
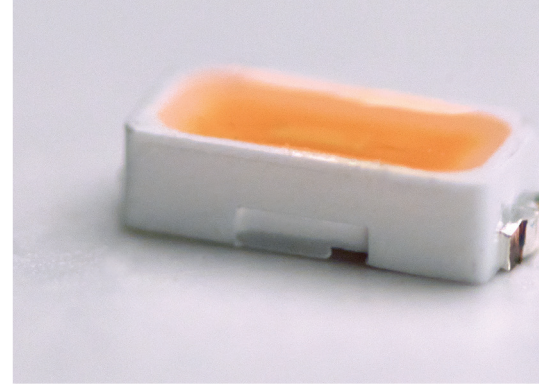


Philip Lumileds Portfolio
























The LUXEON LED portfolio supports development of energy efficient, reliable lighting solutions that deliver superior quality of light and performance tailored to each application. LUXEON LEDs deliver the broadest range of CCT and CRI options and lead the industry with *Freedom from Binning*, Hot Testing and Specification, and superior lumen maintenance. When it comes to unique lighting solutions that bring your products to life, it's time to expect more.

Philips Lumileds Products

Product	Architectural	Downlights	High Bay & Low Bay	Indoor Area Lighting	Lamps	Outdoor	Specialty Lighting	Spotlights
LUXEON 3014								
LUXEON 3020								
LUXEON 3030 2D								
LUXEON 3535 2D/3535L								
LUXEON 3535 HV								
LUXEON 4014								
LUXEON 5630								
LUXEON CoB								
LUXEON H50-2								
LUXEON H 100/200*								
LUXEON K*								
LUXEON M*								
LUXEON MZ								
LUXEON Q								
LUXEON S								
LUXEON TX								
LUXEON Z/LUXEON Z ES								
LUXEON Rebel Colors								
LUXEON Z Color								

*Also offered in royal blue for indicated products.

Philips Lumileds Products

	Product	Description	Features and Benefits
High-Power LEDs	LUXEON H50-2 	The brightest, highest efficacy 50V emitter	<ul style="list-style-type: none"> • 50 V package • Binned at 40mA, 85°C • 3 & 5 SDCM color definition: <i>Freedom from Binning</i>
	LUXEON Q 	Standard ceramic 3535 footprint delivering high efficacy at high drive current	<ul style="list-style-type: none"> • Fully developed ecosystem for 3535 high power package • Typ. flux: 104 lm @ 700mA, 85°C (3000K 80CRI) • Industry compatible footprint enabling drop-in replacement designs
	LUXEON TX 	Extreme efficacy and best performance with compatibility to LUXEON T	<ul style="list-style-type: none"> • 145+ lm/W, 700mA, 85°C (5000K 70CRI) • High lumen density emitter offer industry leading efficacy and 3 & 5 SDCM color definition in a compact 3737 package • Design flexibility
	LUXEON Z 	High flux density in a micro footprint package for precise optical control	<ul style="list-style-type: none"> • 250 lm and 85 lm/W from the smallest LUXEON LED • Micro footprint (2.2 mm²) enables close packaging • <i>Freedom from Binning</i> enables color and performance consistency
	LUXEON Z ES 	Extreme flux density in a micro footprint package for precise optical control	<ul style="list-style-type: none"> • Micro footprint enables close packaging • No dome design allows precise optical control • <i>Freedom from Binning</i> enabling color consistency
Mid-Power LEDs	LUXEON 3020 	Hot color targeted with leading lm/\$ 3V led	<ul style="list-style-type: none"> • 135 lm/W @ 120mA (6500K 80CRI) • Lumen package of 10-12 lm (30mA) delivering uniform smooth lighting • Industry standard footprint offering compatibility with existing designs
	LUXEON 3030 2D 	High flux, hot color targeted 6V package	<ul style="list-style-type: none"> • 130 lm/W @ 100mA (4000K) • EMC plastic QFN package delivers superior thermal properties and reliability • Tight color control
	LUXEON 3535 2D 	High flux in a 3535 package with full range of CCTs and CRIs	<ul style="list-style-type: none"> • 80 lm @ 100mA (3000K) • 0.5-1W, 6V Surface Mount Package • Minimum CRI 80 and R9>0
	LUXEON 3535 HV 	High voltage package that reduces system BOM	<ul style="list-style-type: none"> • Design Flexibility • Compact 3535 form factor for high lumen density design • 3V part in a 3535 package
	LUXEON 3535L 	High efficacy in a 3535 package with full range of CCTs and CRIs	<ul style="list-style-type: none"> • 3V mid power on a 3535 package • Max drive current of 200mA • 121 lm/W @ 120mA, 85°C (3000K 80CRI)
	LUXEON 5630 	Lumileds technology and reliability in 5630 footprint	<ul style="list-style-type: none"> • Backwards compatible for design flexibility • 3V part on a 5630 package
Low-Power LEDs	LUXEON 3014 	Hot color targeting industry standard package for uniform light	<ul style="list-style-type: none"> • 140 lm/W @ 30mA (4000K 80CRI) • 33 lm at 100mA max drive for superior value
	LUXEON 4014 	A compact footprint delivering high efficacy and just the right amount of light	<ul style="list-style-type: none"> • 138 lm/W @ 30mA (4000K 80CRI) • Maximum drive current 90mA • 2.9V low power part in a 4014 QFN form factor that offers a low R_{th} of 45 K/W
Array LEDs	LUXEON CoB 	Uniform, high-efcacy and easy-to-design array	<ul style="list-style-type: none"> • >115 lm/W (80CRI) and >130 lm/W (70CRI) • 3 SDCM color definition: <i>Freedom from Binning</i> • Highest flux densities with the smallest LES • Up to 4x better thermal resistance than competition, enabling smaller heatsinks and higher lumens
	LUXEON H 100/200 	Most efficient high-voltage LED enabling lower system costs	<ul style="list-style-type: none"> • 108 lm/W @ 700mA, 85C (4000K), enabling DIM 2 compliance • 150 to 700+ lumens under a single dome, enabling uniform/directional beam and script shadows • Low thermal resistance of 2.8 K/W makes a reliable design possible
	LUXEON K 	Plug and play array solution with precise flux, V _f and color	<ul style="list-style-type: none"> • Industry's smallest V_f (+/- 5%) & flux range (+/-10%) • Single color, flux, or V_f bin • 400-5000+ lumen offering packages
	LUXEON M 	Brightest, most uniform and highest efficacy multi-die emitter	<ul style="list-style-type: none"> • High flux (>1000 lm typical at 700mA, 85°C) • Thermal resistance of 1.25 C/W enables flexible system design to optimize for lm/\$ and lm/W • Best in Class V_f of 11.2V delivering better lm/W than competitive solutions at similar flux levels
	LUXEON MZ 	Best combination of brightness, uniformity and luminance enabling precision light control	<ul style="list-style-type: none"> • Highest lumen density for ideal optical control in a 600-1000+ lm package • Ability to create 2 beam angles with one optic • Tighter beam angles enable higher quality retrofit lamps and higher pole heights for outdoor applications
	LUXEON S 	Best punch and easy integration	<ul style="list-style-type: none"> • >115,000 Center Beam Candle Power at 9° beam angle • <15-20 pt color over angle enables uniform and consistent light fixture color point • 1000-8000+ lumen packages
Color LEDs	LUXEON Rebel Colors 	High flux and efficacy on industry's most widely used color platform	<ul style="list-style-type: none"> • High flux and leading hot/cold performance • 1140 mW Royal Blue with 56% WPE • 105 lm PC Amber with 85% Hot/Cold Factor • 180 lm/W Lime @ 350mA/85°C
	LUXEON Z Color 	High-power color LEDs in a micro footprint package for ultimate design flexibility	<ul style="list-style-type: none"> • Small 2.2mm² footprint enables unique arrangements in space constrained applications • 440-670nm color selection with full white portfolio available on same footprint • Undomed package allows better optical management through collimated light output

*Also offered in royal blue for indicated products.



©2014 Philips Lumileds Lighting Company. All rights reserved. LUXEON is a registered trademark of the Philips Lumileds Lighting Company in the United States and other countries.

www.philipslumileds.com
www.philipslumileds.cn.com

Illumination Line Card 20140530

Philips Lumileds Lighting Company shall not be liable for any kind of loss of data or any other damages, direct, indirect or consequential, resulting from the use of the provided information and data. Although Philips Lumileds Lighting Company has attempted to provide the most accurate information and data, the materials and services information and data are provided "as is" and Philips Lumileds Lighting Company neither warranties, nor guarantees the contents and correctness of the provided information and data. Philips Lumileds Lighting Company reserves the right to make changes without notice. You as user agree to this disclaimer and user agreement with the download or use of the provided materials, information and data.