

LUXEON M

Philips 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

	Architectural	Downlights	High Bay & Low Bay	Indoor Area Lighting	Lamps	Outdoor	Specialty Lighting	Spotlights
LUXEON 3535 2D/3535L								
LUXEON 4014								
LUXEON 5630								
LUXEON A								
LUXEON CoB								
LUXEON H50-2								
LUXEON HI100/200*								
LUXEON K*								
LUXEON M*								
LUXEON Q								
LUXEON S								
LUXEON T*								
LUXEON Z/LUXEON Z ES								
LUXEON Rebel Colors								
LUXEON Z Color								

*Also offered in royal blue for indicated products.

Philips Lumileds Illumination LED Profolio

	Product	Product Description	Features and Benefits
Array LEDs	LUXEON CoB 	Uniform and high efficiency array	<ul style="list-style-type: none"> - High efficacy: >120 lm/W @ 80 CRI and >130 lm/W @ 70 CRI - 3 & 5 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 HI00/200 	Most efficient high-voltage LED enabling lower system costs	<ul style="list-style-type: none"> - 108 lm/W @ 85°C at 700 mA 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 Vf (+/- 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 700 mA 85°C) - Thermal resistance of 1.25C/W enables flexible system design to optimize for lm/\$ and lm/W - Best in Class Vf of 11.2V delivering better lm/W than competitive solutions at similar flux levels
	LUXEON S 	Best punch and easy integration	<ul style="list-style-type: none"> - >115,000 Center Beam Candle Power at 9° beam angle - <15-20pt color over angle enables uniform and consistent light fixture color point - 1000-8000+ lumen packages
High-Power LEDs	LUXEON A 	The highest Quality of Light	<ul style="list-style-type: none"> - Typ. flux: 180 lm @ 85°C 700 mA 80 CRI 4000K - 3 SDCM color definition: <i>Freedom from Binning</i> - Less than 10 pts u'v' color over angle
	LUXEON H50-2 	Delivers superior efficacy, color performance and reliability	<ul style="list-style-type: none"> - 50V package - Binned at 85°C 40 mA - 3 & 5 SDCM color definition: <i>Freedom from Binning</i>
	LUXEON Q 	Industry standard 3535 footprint delivering industry leading high flux	<ul style="list-style-type: none"> - Fully developed ecosystem for 3535 high power package - Typ. flux: 115 lm @ 85°C 700 mA 80 CRI 3000K - Dramatically optimizing your existing designs
	LUXEON T 	The brightest, most versatile, and highest efficacy emitter	<ul style="list-style-type: none"> - High flux: 270 lm @ 85°C 700 mA, 70 CRI, 4000K - 3 & 5 SDCM color definition: <i>Freedom from Binning</i> - Low Vf: 2.85V and Low Rth: 3 K/W
	LUXEON Z 	Smallest LED for highest flux density and optical control at lowest cost (\$)	<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 	Highest flux density emitter designed 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 3535L 	3535 footprint LED, delivering the highest efficacy in its class	<ul style="list-style-type: none"> - 3V mid-power on a 3535 package - Max drive current of 200 mA - Typ flux: 121 lm/W @ 85°C 120 mA 80 CRI 3000K
	LUXEON 3535 2D 	The highest lumens, 6V LED on the 3535 platform	<ul style="list-style-type: none"> - Flux: 80 lm at 4000K and 100 mA - 0.5-1 W, 6V Surface Mount Package - Minimum CRI 80 and R9>0
	LUXEON 5630 	5630 platform with Lumileds technology and reliability	<ul style="list-style-type: none"> - Flux: 110 lm/W @ 85°C 100 mA 80 CRI 4000K - Backwards compatible for design flexibility - 3V part on a 5630 package
Low-Power	LUXEON 4014 	Delivering high-efficiency and just the right amount of light	<ul style="list-style-type: none"> - Efficacy of 138 lm/W (30 mA, 80 CRI, 4000K) - Maximum drive current 60 mA - 2.9V low power part in a 4014 QFN form factor that offers a low Rth of 45 K/W
Color LEDs	LUXEON Rebel Color 	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 @ 350 mA/85°C
	LUXEON Z Color 	The industry's smallest, high-power color LEDs 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

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