
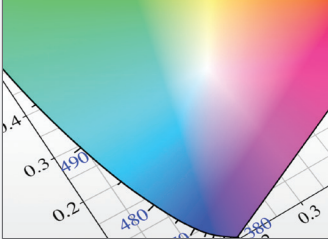

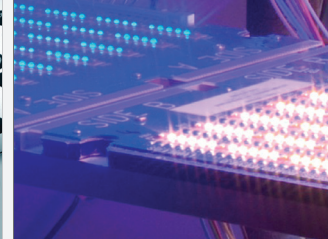


You make outdoor lighting.

We'll make your outdoor lighting
shine – with excellent reliability,
outstanding efficacy and market
leading performance.

Ecosystem	LED Spectrum Mixer	System Calculator	LM-80 Reports
			
Select pre-qualified, off-the-shelf components to aid in complete system design.	Calculate the color (white or color) that will be achieved by combining different LEDs into one application	Calculate the overall system performance based on design inputs.	Generate LM-80 reports for specific Lumileds LEDs.

Please check out our ecosystem support at www.philipslumileds.com/designtools

Who We Are

Philips Lumileds focuses on one goal: Creating the world's highest performing LEDs for lighting, flash, display and automotive applications. In partnership with its customers, Philips Lumileds matches application specific LEDs and uncompromising service with your end product design. Philips Lumileds

understands that solid-state lighting is not just about energy efficiency. It's about elegant design. Reinventing form. Pioneering markets and simplifying the supply chain. It's about a shared vision. Learn more about our comprehensive portfolio of LEDs at www.philipslumileds.com.



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www.philipslumileds.com
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Outdoor Lighting

Creating a brighter and safer world



Application requirements

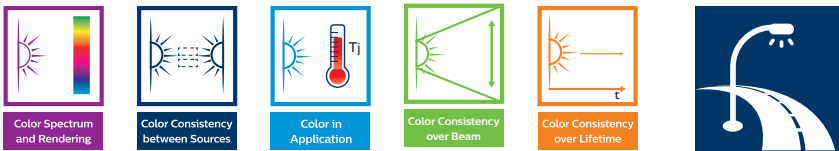
- Breakthrough efficacy for fast payback
- Highest flux, enabling low cost systems
- Unrivalled reliability for low maintenance
- Broad product portfolio with CCTs from 2700–6500K and CRIs of 60, 70 and 80 minimum

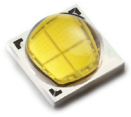


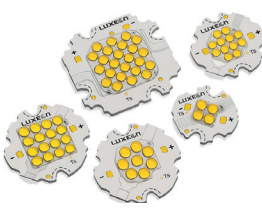




“*Lumileds LED efficacy has allowed me to reduce my emitter count, lowering my system cost and complexity.*”

Philips Lumileds LEDs outperform conventional lighting

	System Efficacy	Reliability
High Pressure Sodium	60 lm/W	15,000 hrs
Philips Lumileds LEDs	>120 lm/W	>60,000 hrs

LUXEON Quality of Light



	Product/Type	Key Benefits	Flux (5700K Typical)	System Efficacy	Cost Efficient	CCT Accuracy
Arrays	 LUXEON M	<ul style="list-style-type: none">• Flexibility to design for high efficiency or lower cost• Assembly and manufacturing cost savings due to component count reduction	1,100 lm @ 700 mA, 85°C	+++	+++	3-Step/ 5-Step
	 NEW LUXEON MZ	<ul style="list-style-type: none">• Small source size enables unique optical solutions• Footprint compatible with LUXEON M allows for design flexibility	940 lm @ 700mA, 85°C	++	+++	3-Step/ 5-Step
	 NEW LUXEON CoB	<ul style="list-style-type: none">• Easy to use, drop in, high flux solution• Highest uniformity and efficiency in a small light emitting surface	500 to 10,000 lm 85°C, 70 CRI	++	+++	3-Step/ 5-Step
	 LUXEON K	<ul style="list-style-type: none">• High lumen arrays ensuring bright light where needed• Fully characterized light source resulting in ease of design and assembly• Freedom from Binning – single V_f Flux and CCT bin	4,400 lm (16-up) 6,600 lm (24-up) @ 700 mA, 85°C, 70 CRI	+++	+++	3-Step/ 5-Step
High-Power LEDs	 NEW LUXEON TX	<ul style="list-style-type: none">• Best performance in a highly efficient package	275 lm @ 700 mA, 85°C	+++	+++	3-Step/ 5-Step
	 LUXEON Z ES	<ul style="list-style-type: none">• Small optical source size enables unique optical solutions• Footprint compatible with LUXEON T allows for design flexibility.	230 lm @ 700 mA, 85°C	++	+++	3-Step/ 5-Step
	 NEW LUXEON Q	<ul style="list-style-type: none">• Industry standard 3535 footprint delivering market leading high flux	130 lm @ 350mA, 85°C	++	+++	3-Step 5-Step ANSI
Distributed Light Solutions	 NEW LUXEON 3020 LUXEON 3535L NEW LUXEON 3030 2D LUXEON 3535 2D	<ul style="list-style-type: none">• High efficiency and cost effective mid-power LEDs	90 lm @ 100 mA, 25°C	+++	+++	ANSI