



APPLICATION SOLUTIONS BROCHURE

You make outdoor/stadium lighting.

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

Outdoor/Stadium Lighting

Building a brighter and better looking world



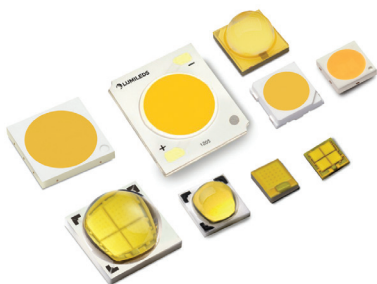
Application Requirements

- Breakthrough efficacy for fast payback
- Highest flux, enabling low cost systems
- Unrivaled reliability for low maintenance
- Broad product portfolio with CCT range of 2700K–6500K and CRIs of 70, 80 and 90 minimum

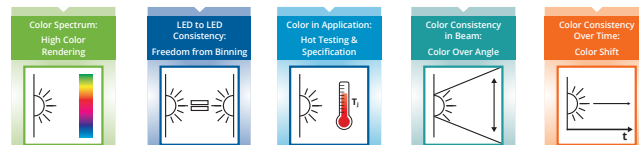
“Lumileds LED efficacy has allowed me to reduce my emitter count, lowering my system cost and complexity.”

Lumileds LEDs Outperform Conventional Lighting

	SYSTEM EFFICACY	RELIABILITY
High Pressure Sodium	60 lm/W	15,000 hrs
LUXEON LEDs	>170 lm/W	100,000 hrs



LUXEON Quality of Light



Outdoor/Stadium Lighting Design Approach

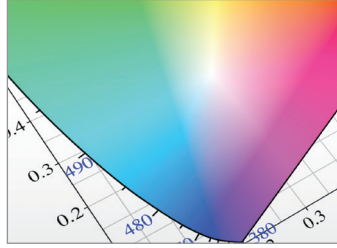
	OUTDOOR GENERAL LIGHTING		OUTDOOR SPORTS LIGHTING	
	CoB	Individual Emitters HIGH POWER & MID POWER	CoB	HIGH POWER
	 <ul style="list-style-type: none"> Ease of design 	 <ul style="list-style-type: none"> Excellent optical control High reliability High lumen density 	 <ul style="list-style-type: none"> Ease of design 	 <ul style="list-style-type: none"> Excellent optical control Low glare
VALUE	<p>LUXEON CoB 1205</p> <ul style="list-style-type: none"> Ease of design 	<p>LUXEON 5050</p> <ul style="list-style-type: none"> High lumen/\$ Low LED count  <p>LUXEON 3030 2D</p> <ul style="list-style-type: none"> High lumen/\$ 	<p>LUXEON CoB 1205</p> <ul style="list-style-type: none"> Ease of design 	<p>LUXEON FlipChip White 10</p> <ul style="list-style-type: none"> High lumen density 
PERFORMANCE	<p>LUXEON CoB 1208 & LUXEON CoB 1211</p> <ul style="list-style-type: none"> Ease of design 	<p>LUXEON MX</p> <ul style="list-style-type: none"> Low LED count  <p>LUXEON TX</p> <ul style="list-style-type: none"> High efficacy  <p>LUXEON 5050</p> <ul style="list-style-type: none"> High efficacy Low LED count 	<p>LUXEON CoB 1208 & LUXEON CoB 1211</p> <ul style="list-style-type: none"> Ease of design 	<p>LUXEON TX</p> <ul style="list-style-type: none"> High efficacy  <p>LUXEON MX</p> <ul style="list-style-type: none"> Low LED count 
SIGNATURE	<p>LUXEON CoB 1216, LUXEON CoB 1321, LUXEON CoB 1812 & LUXEON CoB 1825</p> <ul style="list-style-type: none"> Ease of design 	<p>LUXEON V NEW!</p> <ul style="list-style-type: none"> Beam control & system design 	<p>LUXEON CoB 1216, LUXEON CoB 1321, LUXEON CoB 1812 & LUXEON CoB 1825</p> <ul style="list-style-type: none"> Ease of design 	<p>LUXEON MZ</p> <ul style="list-style-type: none"> Very narrow beams  <p>LUXEON V NEW!</p> <ul style="list-style-type: none"> High output & compact design 

ECOSYSTEM



Select pre-qualified, off-the-shelf components to aid in complete system design.

LED SPECTRUM MIXER



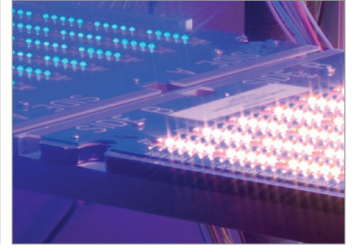
Calculate the color (white or color) that will be achieved by combining different LEDs into one application

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

Companies developing automotive, mobile, IoT and illumination lighting applications need a partner who can collaborate with them to push the boundaries of light. With over 100 years of inventions and industry firsts, Lumileds is a global lighting solutions company that helps customers around the world deliver differentiated solutions to gain and maintain a competitive edge. As the inventor of Xenon technology, a pioneer in halogen lighting and the leader in high performance LEDs, Lumileds builds innovation, quality and reliability into its technology, products and every customer engagement. Together with its customers, Lumileds is making the world safer, better and more beautiful—with light.

To learn more about our lighting solutions, visit lumileds.com.



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