



# You make indoor area lighting.

We'll make your indoor area lighting shine —  
with excellent reliability, high efficacy  
and uniform light distribution.

**PHILIPS**  
LUMILEDS

# Indoor Area Lighting

Brings confidence and a contemporary look to your lighting design



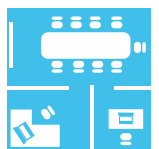
## Application requirements







- High efficiency
- Consistent and reliable performance
- Low energy consumption and long lifespan
- Uniform light distribution

*“Since installing LED Lighting, my energy costs have been reduced and my employees are no longer complaining about the light being off over their desks”*

Philips Lumileds LEDs outperform conventional lighting.

	System Efficacy	Reliability
Fluorescent troffer	60 lm/W	15,000 hrs
Fluorescent tube	80 lm/W	40,000 hrs
Philips Lumileds LEDs	>100 lm/W	50,000 hrs



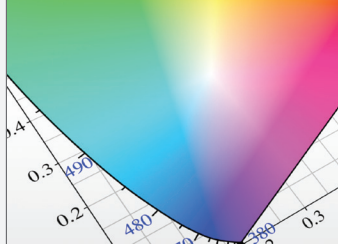
	Product	Key Benefits	Source Type	System Efficacy	Cost Efficient	CCT Accuracy
Low-Power LEDs	<b>LUXEON 4014</b> 	<ul style="list-style-type: none"> <li>• 115 lm/W @60mA</li> <li>• Minimum 80 CRI guaranteed</li> <li>• Ideal for entry level cost sensitive TLED designs</li> </ul>	Emitter	++	+++	ANSI
	<b>LUXEON 3535L &amp; LUXEON 3535</b> 	<ul style="list-style-type: none"> <li>• Excellent LED efficacy – 150 lm/W @ 65 mA</li> <li>• Full range of CCTs – 2700K to 6500K</li> <li>• CRI range from 80 to 85</li> <li>• Ideal for direct lit troffer and TLED designs</li> </ul>	Emitter	+++	+++	ANSI
Mid-Power LEDs	<b>LUXEON 5630</b> 	<ul style="list-style-type: none"> <li>• High LED efficacy – &gt;120 lm/W @ 65 mA</li> <li>• Full range of CCTs – 2700K to 6500K</li> <li>• Minimum 80 CRI guaranteed</li> <li>• Compatible with industry standard footprint</li> </ul>	Emitter	++	++	ANSI
	<b>LUXEON T</b> 	<ul style="list-style-type: none"> <li>• Optimizes lumens/watt providing superior efficacy</li> <li>• Thermally efficient package design</li> <li>• Full range of CCTs at 80 and 90 CRI</li> <li>• Ideal for indirect lit and edge lit troffer designs</li> </ul>	Emitter	+++	+++	3-Step/ 5-Step
High-Power LEDs	<b>LUXEON Rebel PLUS</b> 	<ul style="list-style-type: none"> <li>• Highly cost effective solution</li> <li>• Proven reliability and lifetime performance</li> <li>• Compatible with existing LUXEON Rebel designs</li> </ul>	Emitter	++	+++	3-Step/ 5-Step
	<b>LUXEON A</b> 	<ul style="list-style-type: none"> <li>• Best Quality of Light</li> <li>• <i>Freedom from Binning</i> allowing confidence in color consistency</li> <li>• Superior color over angle</li> </ul>	Emitter	++	++	3-Step

## Ecosystem



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

## LED Spectrum Mixer



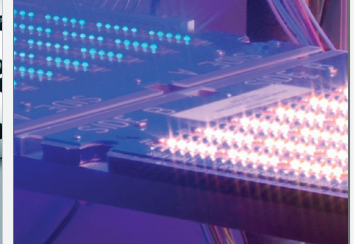
Calculate the color (white or color) that will be achieved by combining different LEDs into one application

## 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 growing ecosystem support at [www.philipslumileds.com/designtools](http://www.philipslumileds.com/designtools)

## Company Information

Philips Lumileds is a leading provider of LEDs for everyday lighting applications. The company's records for light output, efficacy and thermal management are direct results of the ongoing commitment to advancing solid-state lighting technology and enabling lighting solutions that are more environmentally friendly, help reduce CO<sub>2</sub> emissions and reduce the need for power plant expansion. Philips Lumileds LUXEON® LEDs are enabling never before possible applications in outdoor lighting, shop lighting, home lighting, digital imaging, display and automotive lighting.

Philips Lumileds is a fully integrated supplier, producing core LED material in all three base colors, (Red, Green, Blue) and white. Philips Lumileds has R&D centers in San Jose, California and in the Netherlands, and production capabilities in San Jose, Singapore and Penang, Malaysia. Founded in 1999, Philips Lumileds is the high flux LED technology leader and is dedicated to bridging the gap between solid-state technology and the lighting world. More information about the company's LUXEON LED products and solid-state lighting technologies can be found at [www.philipslumileds.com](http://www.philipslumileds.com).



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