



APPLICATION SOLUTIONS BROCHURE

# You make indoor area lighting.

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

# Indoor Area Lighting

Bringing a confident, contemporary feel to your lighting design



## Application Requirements

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

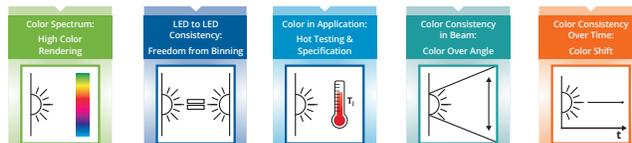
“Since installing LED lighting, my energy costs have been reduced and my employees are no longer complaining about the lights being off over their desks.”

## Lumileds LEDs Outperform Conventional Lighting

	SYSTEM EFFICACY	RELIABILITY
Fluorescent troffer	60 lm/W	15,000 hrs
Fluorescent tube	80 lm/W	40,000 hrs
<b>LUXEON LEDs</b>	<b>&gt;170 lm/W</b>	<b>100,000 hrs</b>



## LUXEON Quality of Light



# Indoor Area Lighting Design Approach

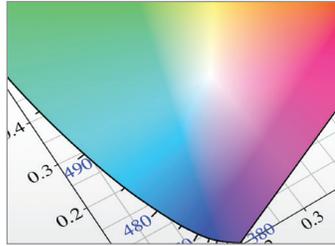
TROFFERS & TLED			
	MID & LOW POWER	MID & LOW POWER	MID & LOW POWER
	 <p><b>TLED</b></p> <ul style="list-style-type: none"> <li>• Linear uniform light</li> <li>• Cost effective</li> </ul>	 <p><b>TROFFER</b> <b>Back lit/edge lit designs</b></p> <ul style="list-style-type: none"> <li>• High efficacy</li> <li>• High LED count</li> </ul>	 <p><b>TROFFER</b> <b>Reflector designs</b></p> <ul style="list-style-type: none"> <li>• High lumen output</li> <li>• Low LED count</li> </ul>
<b>VALUE</b>	<p><b>LUXEON 2835E</b></p> <ul style="list-style-type: none"> <li>• Balanced efficacy/cost</li> </ul> 	<p><b>LUXEON 2835E 3V</b></p> <ul style="list-style-type: none"> <li>• Balanced efficacy/cost</li> </ul> 	<p><b>LUXEON 2835E</b></p> <ul style="list-style-type: none"> <li>• Balanced efficacy/cost</li> </ul> 
<b>PERFORMANCE</b>	<p><b>LUXEON 2835C</b></p> <ul style="list-style-type: none"> <li>• Balanced efficacy/cost</li> </ul> 	<p><b>LUXEON 2835C</b></p> <ul style="list-style-type: none"> <li>• High efficacy</li> </ul> 	<p><b>LUXEON 2835C</b></p> <ul style="list-style-type: none"> <li>• High efficacy</li> </ul> 
<b>SIGNATURE</b>	<p><b>LUXEON 3535L HE Plus</b></p> <ul style="list-style-type: none"> <li>• Highest efficacy</li> </ul>  <p><b>LUXEON Stylist Series: Mid &amp; Low Power</b> <b>NEW!</b></p> <ul style="list-style-type: none"> <li>• Engineered spectrum</li> </ul> 	<p><b>LUXEON 3535L HE Plus</b></p> <ul style="list-style-type: none"> <li>• Highest efficacy</li> </ul>  <p><b>LUXEON Stylist Series: Mid Power</b> <b>NEW!</b></p> <ul style="list-style-type: none"> <li>• Engineered spectrum</li> </ul> 	<p><b>LUXEON 3535L HE Plus</b></p> <ul style="list-style-type: none"> <li>• High flux at high efficacy</li> </ul>  <p><b>LUXEON Stylist Series: Mid Power</b> <b>NEW!</b></p> <ul style="list-style-type: none"> <li>• Engineered spectrum</li> </ul> 

#### ECOSYSTEM



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

#### LED SPECTRUM MIXER



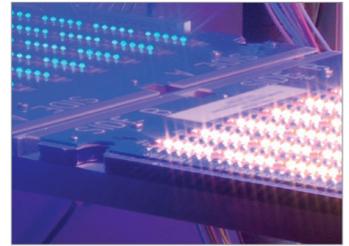
Calculate the color (white or color) that will be achieved by combining different LEDs into one application

#### 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](http://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](http://lumileds.com).



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