



APPLICATION SOLUTIONS BROCHURE

# You make architectural lighting.

We'll make your architectural lighting  
shine — with high color density, design  
flexibility and a broad color palette.



# Architectural Lighting

Energizing your venue with vivid colors



## Application Requirements

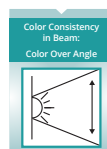
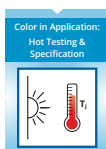
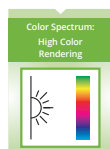
- Systems that support dynamic and fixed color output
- Higher system efficiency over gel based, traditional color systems
- Lower maintenance and longer life across installations
- Common fixture form factor that supports a variety of applications — color changing, single color and white tunable

## Lumileds LEDs Outperform Conventional Lighting

|                         | SYSTEM EFFICACY                           | RELIABILITY       |
|-------------------------|---|-------------------|
| Traditional + Gel Based | 10 to 30 lm/W<br>(depending on gel color) | 5,000 hrs         |
| <b>LUXEON LEDs</b>      | <b>30 to 160 lm/W</b>                     | <b>50,000 hrs</b> |



## LUXEON Quality of Light



# Architectural Lighting Design Approach

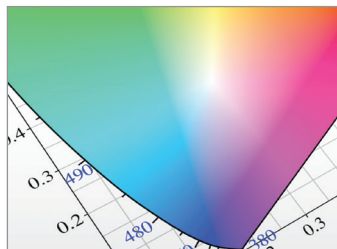
|             | ARCHITECTURAL & ENTERTAINMENT  |  |
|-------------|--|--|
|             | MID POWER  | HIGH POWER   |
|             | <ul style="list-style-type: none"> <li>The perfect amount of color you need</li> </ul>   | <ul style="list-style-type: none"> <li>High lumen output</li> <li>Narrow beam angles</li> </ul>                                    |
| VALUE       | <p><b>LUXEON 3535L Color Line</b></p> <ul style="list-style-type: none"> <li>Just the right amount of light</li> </ul>               | <p><b>LUXEON Z Color Line</b></p> <ul style="list-style-type: none"> <li>Balanced efficiency/cost</li> </ul>                       |
| PERFORMANCE | <p><b>LUXEON 3535L Color Line</b></p> <ul style="list-style-type: none"> <li>Same optics as LUXEON C</li> </ul>                      | <p><b>LUXEON C Color Line</b></p> <ul style="list-style-type: none"> <li>Small source size</li> </ul>                              |
| SIGNATURE   | <p><b>LUXEON 3535L Color Line</b></p> <ul style="list-style-type: none"> <li>Full color palette for a wide spectrum range</li> </ul> | <p><b>LUXEON C Color Line</b></p> <ul style="list-style-type: none"> <li>High punch color</li> <li>Perfect color mixing</li> </ul> |

#### ECOSYSTEM



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

#### LED SPECTRUM MIXER



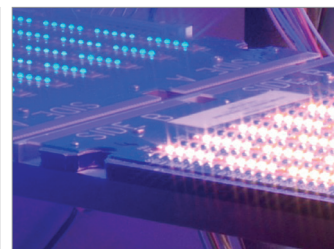
Calculate the color (white or color) that will be achieved by combining different LEDs into one application

#### 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

Lumileds is the global leader in light engine technology. The company develops, manufactures and distributes groundbreaking LEDs and automotive lighting products that shatter the status quo and help customers gain and maintain a competitive edge. With a rich history of industry “firsts,” Lumileds is uniquely positioned to deliver lighting advancements well into the future by maintaining an unwavering focus on quality, innovation and reliability.

To learn more about our portfolio of light engines, visit [lumileds.com](http://lumileds.com).



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