

Matrix Platform

Infinitely configurable LED boards,
linear flex and modules using
LUXEON LEDs



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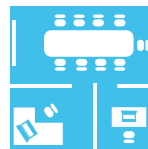


Features & Benefits

- Turnkey solution
 - Faster time to market
 - Ease of design with “built-to-spec” and “off-the-shelf” products
 - Proven LUXEON LED performance
- Improved and consistent performance (single flux, V_f , color) using Lumileds proprietary inline kitting
- Transparent cost down & performance transitions



About Matrix Platform

Only the Matrix Platform empowers you to leverage the most comprehensive portfolio of application optimized LEDs in the entire industry. With both flex and rigid substrate, Matrix Platform offers a wide range of turnkey solutions. Both LUXEON XF-3535L and LUXEON XR-3535L are designed for ease of manufacturability, high efficacy and uniform light distribution enabling a variety of applications.



LUXEON XF-3535L and LUXEON XR-3535L

Designed for ease of manufacturability, high efficacy and uniform light distribution

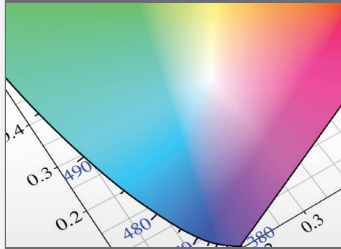
Product	Key Benefits & Features	Typical Performance @ 4000K 80CRI
<div>LUXEON XF-3535L</div> <div></div>	<p>LUXEON XF-3535L is for linear applications that require a flexible design that can adapt to any shape as an easy to use adhesive tape (PSA/TIM), with variable length and LED pitch and optional connectors.</p> <ul style="list-style-type: none">• A turnkey solution for simplified supply chain• Flexible substrate for freedom of design• A backside adhesive for easy mounting and assembly• Multiple strip lengths and voltage options to accommodate different form factors and driver options	<ul style="list-style-type: none">• 300mm and 600mm, 36-up, 18V: 1584 lumens, 147 lm/W @ 600mA• 525mm, 56-up, 21V: 2464 lumens, 147 lm/W @ 800mA• 1150mm, 108-up, 36V: 4752 lumens, 147 lm/W @ 900mA• Wide array of CCT options available in all configurations (2200K - 5700K).
<div>LUXEON XR-3535L</div> <div></div>	<p>LUXEON XR-3535L is for applications that require a robust mechanical design, superior heat dissipation, and an infinitely configurable form factor to fit any luminaire housing.</p> <ul style="list-style-type: none">• A turnkey solution for simplified supply chain• Thermally conductive and mechanically robust CEM3 PCB• Designed for Zhaga compliant assemblies allowing easy mounting and assembly• Extra board space for optics, screw holes for assembly compliances, various connectors, driver circuits, or electrical components	<ul style="list-style-type: none">• 3000K, 3500K, and 4000K options available• 1515 lumens, efficacy of 150 lm/W @ 4000K, 80CRI at 25°C

Ecosystem



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

LED Spectrum Mixer



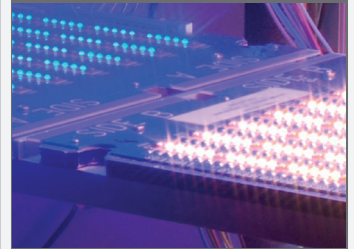
Calculate the color (white or color) that will be achieved by combining different LEDs into one application.

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

Who We Are

Philips Lumileds focuses on one goal: Creating the world's highest performing LEDs. The company pioneered the use of solid-state lighting in breakthrough products such as the first LED backlit TV, the first LED flash in camera phones, and the first LED daytime running lights for cars. Today we offer the most comprehensive portfolio of high quality, reliable LEDs along with uncompromising service.

Philips Lumileds brings LED's qualities of energy efficiency, digital control and long life to spotlights, downlights, high bay and low bay lighting, indoor area lighting, architectural and specialty lighting as well as retrofit lamps. Our products are engineered for

optimal light quality and unprecedented efficacy at the lowest overall cost. By offering LEDs in chip and packaged form, plus infinitely configurable rigid and flex substrates, we deliver supply chain flexibility to the inventors of next generation illumination.

Philips Lumileds understands that solid state lighting is not just about energy efficiency. It is about elegant design. Reinventing form. Engineering new materials. 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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