



Architecture & Entertainment

Broad Color Palette

High Color & Lumen Density

PHILIPS
LUMILEDS

Entertainment

Application requirements

- Single fixtures supporting a broad color gamut that can match mainstream gels
- High lumen density that can support a collimated output
- High color density providing small optical source size for narrow beam control

The Entertainment Lighting market embraced Philips Lumileds LED technology almost a decade ago – Today we continue to deliver innovative LED solutions for concert, stage and studio lighting

Philips Lumileds LEDs outperform conventional lighting

	System Efficacy	Reliability
Traditional + Gel Based	10-30 lm/W (depending on gel color)	5,000 hrs
Philips Lumileds LEDs	30-50 lm/W	50,000 hrs



Architecture

Application requirements

- Systems that support both 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/white, tunable white





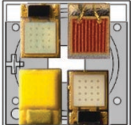






Philips Lumileds continues to be the mainstream solution for both interior and exterior architectural LED Lighting systems

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Architecture & Entertainment: Color & White LED Solutions

		Product	Key Benefits	Royal Blue	Blue	Cyan	Green	Amber	Red	Red Orange	Deep Red	White	Applications						
Color LED Solutions	  	LUXEON Z  <p>High packaging density 1.7 x 1.3mm</p> 	The new building block feature of the LUXEON Z allows fixture designers to deliver next generation features: <ul style="list-style-type: none"> • Multi color sources under a single optic • High flux density • High color density • Collimated output • High packing density 	440-460	465-480	490-520	520-550	585-597	610-620	620-630	650-670	CCT	Linear	Wash	Spot	Graze	Direct View		
		LUXEON Rebel Color	Common package design supports a broad color & CCT selection allowing manufacturers to deliver: <ul style="list-style-type: none"> • Full range of color palette • Common fixture architecture • High lumen output 										4000K	+++	+++	+++	+++	++	
		LUXEON Rebel ES Color												ANSI	+++	+++	+	++	+
White LED Solutions	     	LUXEON K	Leveraging the system value of the LUXEON K array, Fixture designers can benefit from: <ul style="list-style-type: none"> • High lumen density • Simplified system integration • Freedom From Binning 	Royal Blue	2700K	3000K	3500K	4000K	5000K	5700K	Binning & CRI (min)		Linear	Wash	Spot	Graze	Direct View		
		LUXEON M	LUXEON M and LUXEON S are high output emitters that can support small beam angles because of their compact optical source size.									3-Step & 80 CRI			+++	++			
		LUXEON S	LUXEON M and LUXEON S are high output emitters that can support small beam angles because of their compact optical source size.										3-Step/5-Step & 70, 80, 90 CRI			++	+++	+	
		LUXEON T	LUXEON T, LUXEON Rebel ES, LUXEON Rebel PLUS offers tight color control and consistency while enabling high quality of light solutions.										3-Step & 80, 90 CRI			++	+++		
		LUXEON Rebel ES	LUXEON T, LUXEON Rebel ES, LUXEON Rebel PLUS offers tight color control and consistency while enabling high quality of light solutions.	<ul style="list-style-type: none"> • Exceptional efficacy (lm/W performance) • Superior color consistency • Proven reliability and lifetime performance 									3-Step/5-Step & 70, 80, 90 CRI		+++	+++	+	++	+
		LUXEON Rebel PLUS	LUXEON T, LUXEON Rebel ES, LUXEON Rebel PLUS offers tight color control and consistency while enabling high quality of light solutions.	<ul style="list-style-type: none"> • Exceptional efficacy (lm/W performance) • Superior color consistency • Proven reliability and lifetime performance • Freedom From Binning 									ANSI & 60, 70, 80, 90 CRI		+++	+++	+	++	+
											3-Step/5-Step & 80 CRI		+++	+++	+	++	+		

Philips Lumileds enables fast time to market with broad ecosystem support.



Thermal Management



Clamps



Drivers



Optics

Please check out our growing ecosystem support at the following websites:

www.LUXEONecosystem.com

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www.philipslumileds.com

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