

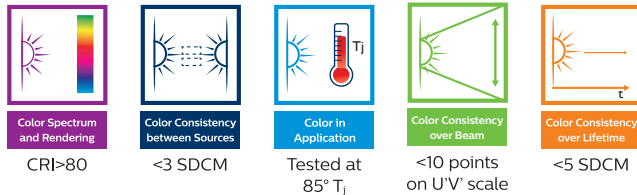


# PHILIPS LUMILEDS

## Application requirements

- Color quality and consistency across the installation
- Lumen maintenance under extreme conditions
- High efficacy for energy savings

## LUXEON Quality of Light



Philips Lumileds enables the highest  
center beam candlepower for a 50 W  
MR16 with the best Quality of Light

	System Efficacy	Reliability
Halogen	7~20 lm/W	<2,500 hrs
Philips Lumileds LEDs	>120 lm/W	>35,000 hrs (L70)

# You make lamps.

We'll make your lamps shine –  
with excellent color rendering,  
color uniformity and consistent  
system performance.

### 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 [www.philipslumileds.com/designtools](http://www.philipslumileds.com/designtools)

## Who We Are

Philips Lumileds focuses on one goal: Creating the world's highest performing LEDs for lighting, flash, display and automotive applications. In partnership with its customers, Philips Lumileds matches application specific LEDs and uncompromising service with your end product design. Philips Lumileds

understands that solid-state lighting is not just about energy efficiency. It's about elegant design. Reinventing form. 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](http://www.philipslumileds.com).



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Omnidirectional Lamps



	Lumens	Product	Key Benefits	Source Type	System Efficacy	Cost Efficient	CCT Accuracy
A or GLS Style Lamps	Up to 1,600 lumens	  LUXEON K 24-up	• Easiest to assemble. • Single bin (V <sub>f</sub> , Flux, CCT)	Array	++	++	3-Step
		  LUXEON K 16-up Royal Blue		Array	+++	+++	
		 LUXEON T Royal Blue	• Best lm/W solution	Emitter	+++	+++	
		 LUXEON M Royal Blue		Emitter	+++	+++	
	Up to 1,100 lumens	  LUXEON K 12-up	• Easiest to assemble. • Single bin (V <sub>f</sub> , Flux, CCT)	Array	++	+++	3-Step
		  LUXEON K 8-up Royal Blue		Array	+++	+++	
		 LUXEON T Royal Blue	• Best lm/W solution	Emitter	+++	+++	
		 LUXEON TX		Emitter	+++	++	3-Step/ 5-Step
		 LUXEON 3020	• High efficacy • Enables dimming to 2200K • Best lm/\$ solution	Emitter	++	+++	ANSI
		 LUXEON 3535L					
		 LUXEON 3030 2D					
		 LUXEON 3535 2D					
	Up to 800 lumens	  LUXEON 3020 LUXEON 3535L	• High efficacy • Enables dimming to 2200K	Emitter	+++	+++	ANSI
		  LUXEON 3030 2D LUXEON 3535 2D					
		 LUXEON 3535 HV	• Enables compact cost effective drivers with a low LED count	Emitter	+++	+++	ANSI
		  LUXEON 3014 LUXEON 4014	• Provides right amount of light for lower wattage bulbs • Small source size is ideal for compact spaces	Emitter	++	+++	ANSI

Directional Lamps



	Product	Key Benefits	Source Type	Beam Quality	Beam Angle	CCT Accuracy
All Lamps	 LUXEON 3030 2D LUXEON 3535 2D	• Best lm/\$ solution	Emitter	++	≥20	ANSI
	 LUXEON TX	• Best efficacy	Emitter	++	≥15	3-Step/ 5-Step
	 LUXEON Z ES	• Best for narrow beam lamps	Emitter	+++	≥10	3-Step
	 LUXEON 3535 HV	• Enables compact cost effective drivers with a low LED count	Emitter	++	≥20	ANSI
PAR30/38	 LUXEON CoB	• Uniform, high-efficacy and easy-to-design array	Array	+++	≥22	3-Step/ 5-Step
	 LUXEON K	• Easy to assemble • Single bin (V <sub>f</sub> , Flux, CCT) • Best efficacy	Array	++	≥15	3-Step
PAR20	 LUXEON M	• Best image quality • High efficacy	Array	+++	≥22	3-Step
GU10 and MR16	  LUXEON H 4-up LUXEON H 2-up	• Best image quality and driver efficiency for GU10 lamps • Fits space constrained designs • 100V and 200V Support	Array	+++	≥25	3-Step
	 LUXEON M	• Highest flux efficacy for single source designs • Voltage flexibility (2.8V, 5.6V, and 11.2V support)	Array	+++	≥22	3-Step
	 LUXEON MZ	• Greater optical flexibility • Tightest beam angles	Array	+++	≥10	3-Step