



APPLICATION SOLUTIONS BROCHURE

You make lamps.

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

Lamps

Enabling efficiency, brightness and consistency



Application Requirements

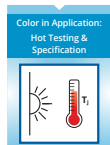
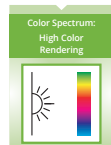
- Color quality and consistency across the installation
- Lumen maintenance under extreme conditions
- High efficacy for energy savings

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




	SYSTEM EFFICACY	RELIABILITY
Halogen	7-20 lm/W	<2,500 hrs
LUXEON LEDs	>140 lm/W	>50,000 hrs



LUXEON Quality of Light



Lamps Design Approach

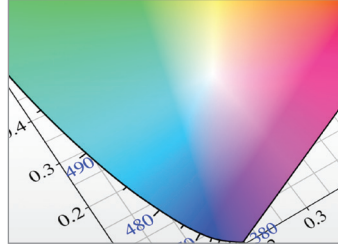
		DIRECTIONAL LAMPS	
		CoB	MID & LOW POWER
		 <ul style="list-style-type: none"> • Single optic designs 	 <ul style="list-style-type: none"> • High efficacy • Cost effective designs
VALUE	LUXEON CoB 1202 <ul style="list-style-type: none"> • Balanced efficacy/cost 	LUXEON 2835E <ul style="list-style-type: none"> • Balanced efficacy/cost 	
	LUXEON CoB 1203 <ul style="list-style-type: none"> • Balanced flux/size 	LUXEON 5050 <ul style="list-style-type: none"> • Single source • High lumen density  LUXEON 3030 2D <ul style="list-style-type: none"> • Multi source • High lumen density 	
SIGNATURE	LUXEON CoB 1204HD & LUXEON CoB 1205HD <ul style="list-style-type: none"> • High flux  LUXEON Stylist Series: CoB <ul style="list-style-type: none"> • Engineered spectrum 	LUXEON Stylist Series: Mid Power <ul style="list-style-type: none"> • Engineered spectrum 	

ECOSYSTEM



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

LED SPECTRUM MIXER



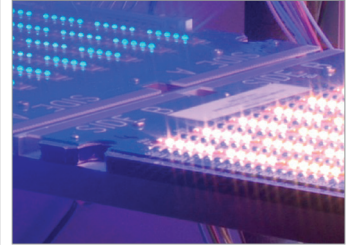
Calculate the color (white or color) that will be achieved by combining different LEDs into one application

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.

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.



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