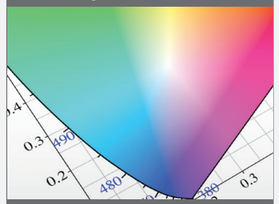
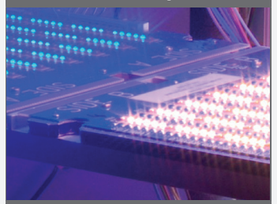
PHILIPS
LUMILEDS

Ecosystem	LED Spectrum Mixer	System Calculator	LM-80 Reports
			
Select pre-qualified, off-the-shelf components to aid in complete system design.	Calculate the color (white or color) that will be achieved by combining different LEDs into one application	Calculate the overall system performance based on design inputs.	Generate LM-80 reports for specific Lumileds LEDs.

Please check out our ecosystem support at 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.

www.philipslumileds.com
www.philipslumileds.cn.com

AS 20140326

You make spotlights.

We'll make your spotlights shine – with luminance, high color rendering and lumen density.

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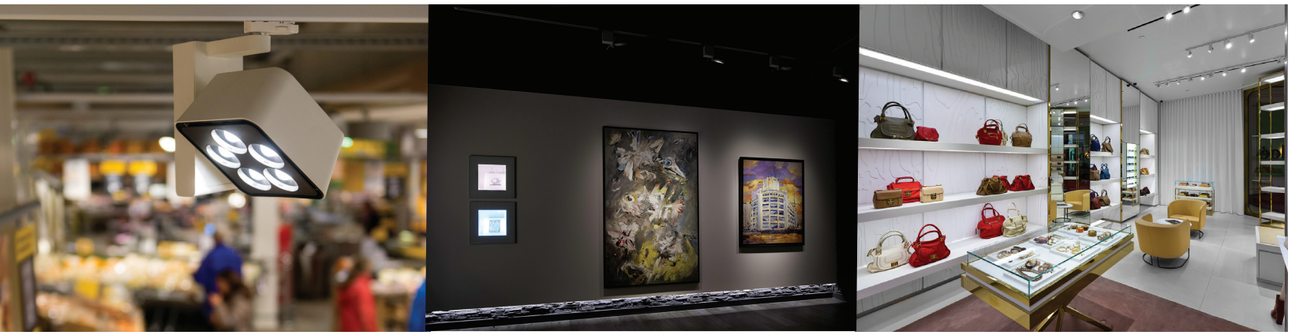
Spotlights

Create the impact and intensity that sells



Application requirements

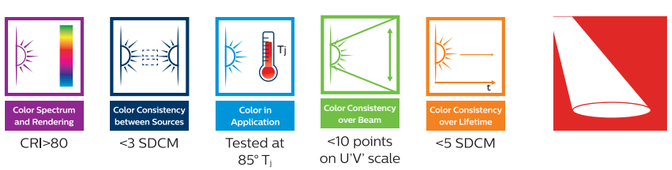
- Narrow crisp and uniform beams
- High punch for best merchandise presentation, enabling highest Center Beam Candle Power (CBCP)
- High color rendering with typical CRI of 97 (R9~90)
- Color consistency between LEDs and fixtures (less than 3-step MacAdam Ellipse)
- High efficacy

"Philips Lumileds enables me to make high quality fixtures with great center beam candlepower"

Philips Lumileds enables the highest center beam candle power with the best quality of light.

	System Efficacy	Reliability
Halogen/CDM	60 - 80 lm/W	1,000 - 12,000 hrs
Philips Lumileds LEDs	>100 lm/W	50,000 hrs

LUXEON Quality of Light



	Product	Performance	Key Benefits	Light Emitting Surface	CCT Accuracy
5,000–8,000 lm 70 W CDM Replacement	NEW  **LUXEON CoB 1211**	• 8,000 lm • 100 lm/w @ 3000K • 80 CRI at 85°C	• Highest efficacy for spots	~19 mm diameter	3-Step
	 **LUXEON S5000**	• 8,000 lm • 85 lm/W@ 3000K 80 CRI at 85°C	• Highest CBCP in system	~17 mm diameter	3-Step
3,000–5,000 lm 50 W CDM Replacement	NEW  **LUXEON CoB 1208**	• 5,000 lm • 100 lm/W @ 3000K at 80 CRI at 85°C	• Highest efficacy for spots	~15 mm diameter	3-Step
	 **LUXEON S3000**	• 5,000 lm • 85 lm/W @ 3000K 80 CRI at 85°C 12c	• Highest CBCP in system	~13.5 mm diameter	3-Step
2,000–4,000 lm 35 W CDM Replacement	NEW  **LUXEON CoB 1204 LUXEON CoB 1205**	• 3,000 lm • 100 lm/W @ 3000K 80 CRI at 85°C	• Highest efficacy for spots	~13.5 mm diameter	3-Step
	 **LUXEON S2000**	• 3,000 lm • 85 lm/W @ 3000K 80 CRI at 85°C	• Highest CBCP in system	~10.5 mm diameter	3-Step
1,000–2,000 lm 20 W CDM/ 50 W Halogen Replacement	NEW  **LUXEON CoB 1203**	• 1,500 lm • 100 lm/W @ 3000K 80 CRI at 85°C	• Highest efficacy for spots	~9 mm diameter	3-Step
	 **LUXEON S1000**	• 1,500 lm • 85 lm/W @ 3000K 80 CRI at 85°C	• Highest CBCP in system	~7.2 mm diameter	3-Step
500–1,000 lm 35 W Halogen Replacement	 **LUXEON M**	• 800 lm • 100 lm/W @ 3000K 80 CRI at 85°C	• Highest CBCP in system	~6 mm diameter	3-Step
	NEW  **LUXEON MZ**	• 780 lm	• Highest CBCP in system diameter	~4.2 mm	3-Step
High flux density building block	 **LUXEON Z ES**	• 200 lm • 100 lm/w @ 3000K • 80 CRI at 85°C	• Extreme flux density in a micro footprint package for precise optical control	~2 mm	3-Step