



Retrofit Lamps

High Efficiency

Best in Class LED Reliability

PHILIPS
LUMILEDS

Directional Lamps

Application requirements

- Color quality and consistency across the installation
- Crisp uniform beams with high intensity and narrow beam angles
- Consistent color across the beam

With Philips Lumileds Freedom From Binning and superior Quality of Light, your lamps will achieve




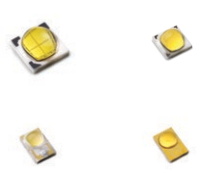
- Excellent color rendering with high R9
- Uniform color over angle
- Consistent system (CCT & intensity) performance

Philips Lumileds LEDs outperform conventional lighting

	System Efficacy	Reliability
Halogen	~20 lm/W	<2,500 hrs
Philips Lumileds LEDs	80 lm/W	>50,000 hrs (L70)



Directional Lamps

		Product	Key Benefits	Source Type	Beam Quality	Beam Angle	CCT
PAR30/38		LUXEON K 8-up	• Best for large PAR lamps • Easiest to assemble	Array	+++	≥15	3-Step
		LUXEON K 12-up	• Single bin (V _F , Flux, CCT)	Array	++	≥22	3-Step
		LUXEON T	• Best efficacy • Best for narrow beam lamps	Emitter	++	≥15	3-Step
PAR20		LUXEON M	• Best image quality for lamps 400-600lm	Array	+++	≥22	3-Step
		LUXEON K 4-up	• Best for large PAR lamps • Easiest to assemble • Single bin (V _F , Flux, CCT)	Array	++	≥22	3-Step
		LUXEON T	• Best efficacy • Best for narrow beam lamps	Emitter	++	≥15	3-Step
GU10		LUXEON H100-8 LUXEON H200-8	• Best image quality and driver efficiency	Array	+++	≥25	3-Step
		LUXEON A	• Best Quality of Light	Emitter	+++	≥15	3-Step
MR16		LUXEON M	• Best image quality for lamps 400-600lm	Array	+++	≥22	3-Step
		LUXEON T	• Best efficacy	Emitter	+++	≥15	3-Step/5-Step
		LUXEON A	• Best Quality of Light	Emitter	+++	≥15	3-Step
		LUXEON Rebel PLUS	• Best for narrow beam lamps	Emitter	++	≥15	3-Step/5-Step

Decorative Lamps

Philips Lumileds enables compact designs and high efficacy with high voltage LEDs

90 lumens	150 lumens	300 lumens
LUXEON H50-1 	LUXEON H50-2 	LUXEON H100-8 LUXEON H200-8 

- Lighting to fit the mood
- Energy savings through high efficacy
- Single light source for high sparkle in clear lamps

	System Efficacy	Reliability
Incandescent	10 lm/W	~1,000 hrs
Philips Lumileds LEDs	50 lm/W	>50,000 hrs (L70)

Omnidirectional Lamps

Application requirements

- Energy awareness driving efficacy and sustainable lighting
- Color consistency from lamp to lamp and over time
- Broad product portfolio with CCT from 2700 to 6500K and CRI minimum of 80 or 90

Philips Lumileds allows you to achieve quick time to market and fast ROI with:





- Strong ODM network
- Extensive range of complimentary components
- Design support

Philips Lumileds LEDs outperform conventional lighting

	System Efficacy	Reliability
CFL	60 lm/W	<8,000 hrs
Philips Lumileds LEDs	70 lm/W	>50,000 hrs (L70)



Omnidirectional Lamps

A or GLS Style Lamps	Product		Key Benefits	Source Type	System Efficacy	Cost Efficient	CCT
		LUXEON K 24-up	Easiest to assemble. Single bin (V_f , Flux, CCT)	Array	++	++	3-Step
		LUXEON K 16-up Royal Blue		Array	+++	+++	
		LUXEON T Royal Blue	Best lm/W solution	Emitter	+++	+++	
		LUXEON Rebel ES Royal Blue		Emitter	+++	++	
		LUXEON K 12-up	Easiest to assemble. Single bin (V_f , Flux, CCT)	Array	++	+++	3-Step
		LUXEON K 8-up Royal Blue		Array	+++	+++	
		LUXEON T Royal Blue	Best lm/W solution	Emitter	+++	+++	
		LUXEON Rebel ES Royal Blue		Emitter	+++	++	
		LUXEON K 8-up	Easiest to assemble. Single bin (V_f , Flux, CCT)	Array	+++	++	3-Step
		LUXEON H50-2	Optimized for smallest driver size and excellent driver efficiency	Emitter	++	+++	3-Step/5-Step
		LUXEON Mid-Power 3535	Best lm/\$ solution	Emitter	++	+++	ANSI
		LUXEON K 4-up	Easiest to assemble. Single bin (V_f , Flux, CCT)	Array	++	++	3-Step
		LUXEON H50-2	Optimized for smallest driver size and excellent driver efficiency	Emitter	++	+++	3-Step/5-Step
		LUXEON H100-8 LUXEON H200-8		Emitter	++	+++	3-Step/5-Step
		LUXEON Mid-Power 3535	Best lm/\$ solution	Emitter	+++	+++	ANSI

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



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

www.LUXEONecosystem.com

PHILIPS
LUMILEDS

Philips Lumileds Lamps Dec 2012

www.philipslumileds.com