



## Product Brief

# LUXEON Mid-Power 5630

Office and general illumination solutions

LUXEON Mid-Power 5630 brings industry-leading performance and reliability to mid-power LEDs for the lighting market. Offered in the full CCT range from 2700K-6500K and with minimum 80 CRI, LUXEON Mid-Power 5630 enables designs for distributed light sources that meet the most demanding color quality requirements. LUXEON Mid-Power 5630 is engineered for both consumer and professional applications and incorporates the same Lumileds technology that has made our high-power products legendary in the market.

### Key Applications:

- Office lighting
- Linear lighting
- Home lighting
- Retail lighting
- Downlights

### Features:

- High efficacy—110 lm/W @ 100 mA
- Full range of CCTs - 2700K to 6500K
- Widely-adopted 5630 form factor
- Min 80 CRI guaranteed
- Lumileds technology

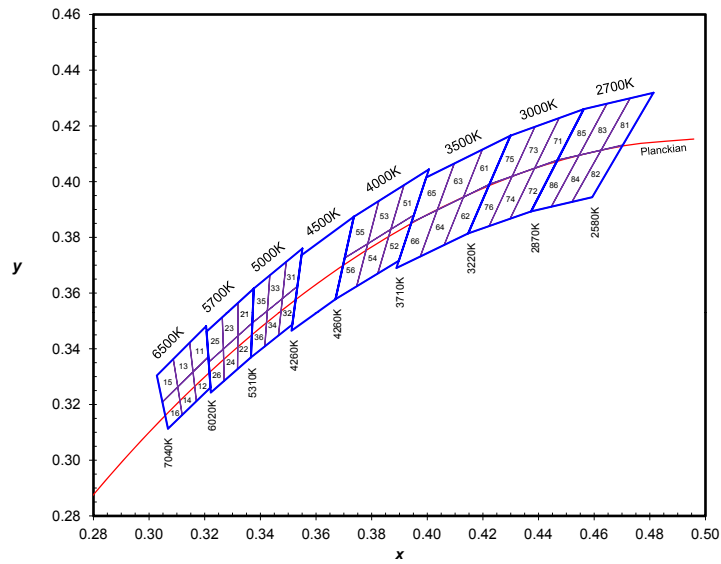
### Benefits:

- Enables efficient system design with uniformed light
- Enabling unparalleled reliability for mid power based fixture
- Meet demanding color quality requirements



**PHILIPS**  
**LUMILEDS**

## LUXEON Mid-Power 5630 ANSI 1/6th Quadrant Color Bin Structure



### LUXEON Mid-Power 5630: Proliferation

Part Number	Test Current mA	Junction Temp. °C.	Color Rendering Nominal CCT (K)	Color Rendering Index Ra (min)	Luminous Flux (lm)		Efficacy Typ. lm/W	Forward Voltage Typ.
					Min.	Typ.		
MXL8-PW27	100	25	2700K	80	26	30	97	3.1
MXL8-PW30	100	25	3000K	80	26	30	97	3.1
MXL8-PW35	100	25	3500K	80	30	31	100	3.1
MXL8-PW40	100	25	4000K	80	30	32	103	3.1
MXL8-PW50	100	25	5000K	80	30	33	106	3.1
MXL8-PW57	100	25	5700K	80	30	34	110	3.1
MXL8-PW65	100	25	6500K	80	30	34	110	3.1

### Flux Bins

Bin Code	Minimum Photometric Flux	Maximum Photometric Flux
	(lm)	(lm)
K	26	30
L	30	37

### V<sub>f</sub> Bins

Bin Code	Minimum Forward Voltage	Maximum Forward Voltage
	(V)	(V)
V	2.9	3.0
W	3.0	3.1
X	3.1	3.2
Y	3.2	3.3
Z	3.3	3.4

Tested and binned at 25°C, I<sub>f</sub> = 100 mA.

Philips Lumileds Lighting Company Confidential. All information is subject to change without notification.



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

LUXEON Mid-Power 5630 Product Brief PB201 20121216

**PHILIPS**  
**LUMILEDS**