

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.

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

Key Applications

- Office Lighting
- Linear Lighting
- Home Lighting
- Retail Lighting
- Downlights

LUXEON Mid-Power 5630: Proliferation

Part Number	Test Current mA	Junction Temp °C	Nominal CCT (K)	Color Rendering Index Ra (min)	Luminous Flux (lm)		Typ. Efficacy lm/W	Typ. Forward Voltage
					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

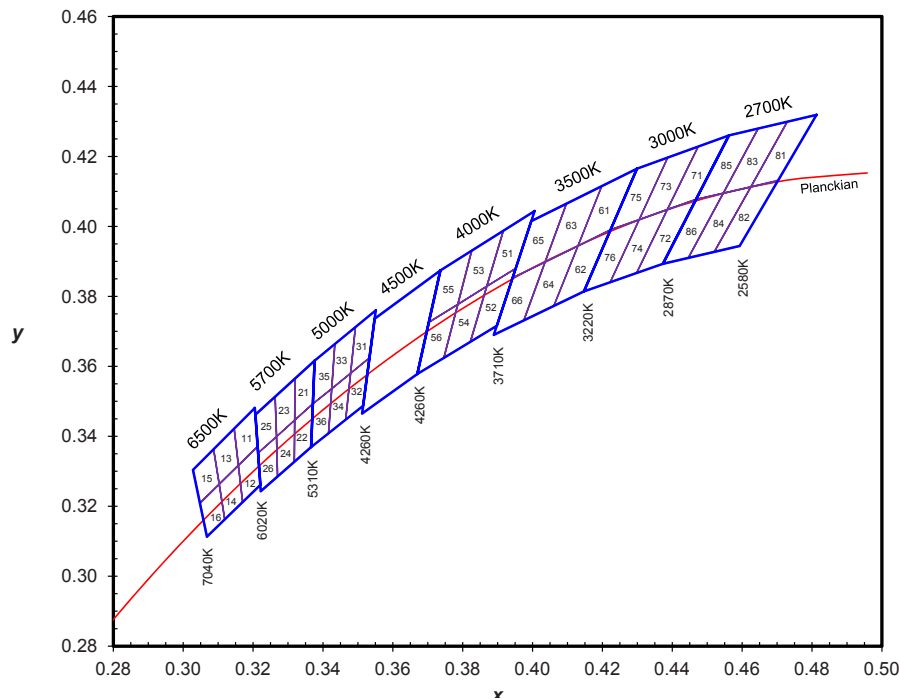
Bin Code	Min Photometric Flux (lm)	Max Photometric Flux (lm)
K	26	30
L	30	37

V_f Bins

Bin Code	Minimum Forward Voltage (V)	Maximum Forward Voltage (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_f = 100 mA.

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



Philips Lumileds Lighting Company shall not be liable for any kind of loss of data or any other damages, direct, indirect or consequential, resulting from the use of the provided information and data. Although Philips Lumileds Lighting Company has attempted to provide the most accurate information and data, the materials and services information and data are provided "as is" and Philips Lumileds Lighting Company neither warrants, nor guarantees the contents and correctness of the provided information and data. Philips Lumileds Lighting Company reserves the right to make changes without notice. You as user agree to this disclaimer and user agreement with the download or use of the provided materials, information and data.



©2013 Philips Lumileds Lighting Company. All rights reserved.
LUXEON is a registered trademark of the Philips Lumileds Lighting Company in the United States and other countries.

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