

LUXEON 3535 Mid-Power Family

Office and general illumination solutions



LUXEON 3535 mid-power family 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 70, 80 and 90 CRI, LUXEON 3535 and LUXEON 3535L enables designs for distributed light sources that meet the most demanding color quality requirements. The LUXEON 3535 family is engineered for both consumer and professional applications and incorporates the same Philips Lumileds technology that has made our high-power products legendary in the market.

Features

- High efficacy—118-141 lm/W @ 100 mA
- Full range of CCTs—2700K to 6500K
- Compact 3535 form factor
- Min 70, 80 and 90 CRI guaranteed
- Philips Lumileds technology
- Supports ENERGY STAR® lumen maintenance certification requirements

Benefits

- Enables cost effective and highly efficient system
- Ability to achieve indoor color quality requirements
- High lumen density for unique designs

Key Applications

- Lamps
- Indoor Area Lighting
- Downlight
- Outdoor
- Architecture
- High bay & Low bay

LUXEON 3535L Product Characteristics

Nominal CCT	Part Number	Minimum CRI	Typical CRI	Typical R9	Min Luminous Flux (lm) Φ_v	Typ Luminous Flux (lm) Φ_v	Efficacy Typ. lm/W	Forward Voltage Typ.
2700K	MXA8-PW27-0000	80	82	R9>0	28	36	118	3.05
2700K	MXA9-PW27-0000	85	92	R9>50	26	30	98	3.05
3000K	MXA8-PW30-0000	80	82	R9>0	32	37	121	3.05
3500K	MXA8-PW35-0000	80	82	R9>0	32	37	121	3.05
4000K	MXA7-PW40-0000	70	72	R9>0	36	42	137	3.05
4000K	MXA8-PW40-0000	80	82	R9>0	32	39	128	3.05
5000K	MXA8-PW50-0000	80	82	R9>0	32	39	128	3.05
5700K	MXA8-PW57-0000	80	82	R9>0	32	39	128	3.05
6500K	MXA8-PW65-0000	80	82	R9>0	32	39	128	3.05

LUXEON 3535 Product Characteristics

Part Number	Test Current mA	Junction Temp. °C	Normal CCT (K)	Color Rendering Index Ra (min)	Luminous Flux (lm)		Efficacy Typ. lm/W	Forward Voltage Typ.
					Min.	Typ.		
MXM8-PW27	100	25	2700K	80	28	32	103	3.1
MXM8-PW30	100	25	3000K	80	30	33	106	3.1
MXM8-PW35	100	25	3500K	80	30	33	106	3.1
MXM8-PW40	100	25	4000K	80	30	35	113	3.1
MXM8-PW50	100	25	5000K	80	30	35	113	3.1
MXM8-PW57	100	25	5700K	80	30	35	113	3.1
MXM8-PW65	100	25	6500K	80	30	35	113	3.1

V_f Bins for LUXEON 3535 Family

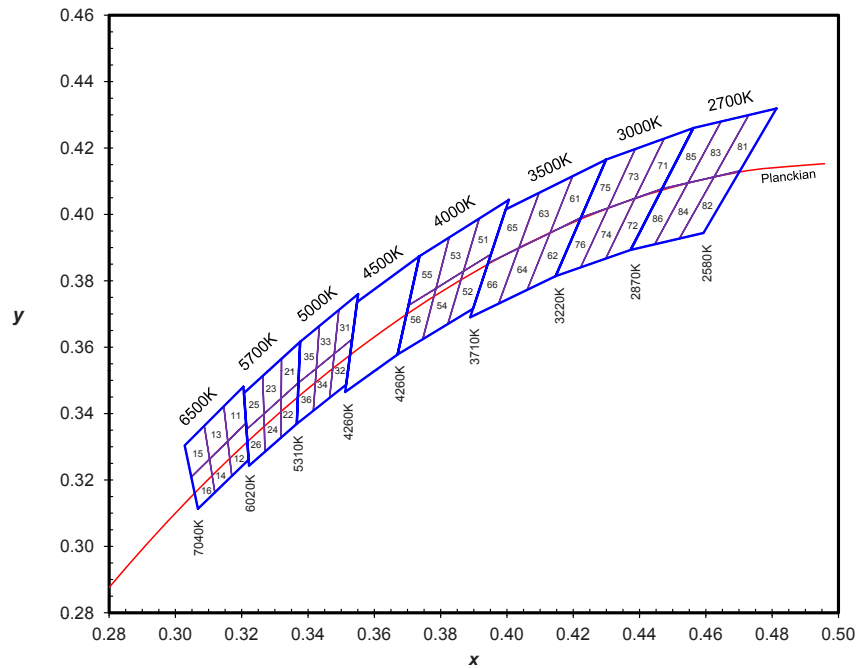
Bin Code	Minimum Forward Voltage (V)	Maximum Forward Voltage (V)
T	2.8	2.9
V	2.9	3.0
W	3.0	3.1
X	3.1	3.2
Y	3.2	3.3
Z	3.3	3.4

Flux Bins for LUXEON 3535 Family

Bin Code	Min Photometric Flux (lm)	Max Photometric Flux (lm)
K	28	32
L	32	36
M	36	40
P	40	44
Q	44	48

Tested and binned at 25°C, I_f = 100 mA.

LUXEON 3535 Family 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