



# LUXEON 3020

Industry's most compact, highest drive current 3V mid power LED



LUXEON 3020 is the first and only hot-color targeted EMC-based 3.0mm x 2.0mm QFN, delivering superior efficacy with superior lumen maintenance and assurance of ANSI color compliance at operating conditions—85°C. Lumileds enables mass production of affordable and reliable bulbs and lamps by simplifying system designs and integration with leading lm/\$ and hot-color targeting.

## FEATURES AND BENEFITS

- High efficacy delivers superior lumen maintenance
- Reliable QFN EMC package delivers superior thermal properties and reliability
- 1/9<sup>th</sup> ANSI micro-color binning enables tight color control
- Hot-color targeted at 85°C which leads to better color accuracy
- Drive at max current for superior value

## PRIMARY APPLICATIONS

- Architectural
- Downlights
- Indoor Area Lighting
  - Troffer
  - TLED
- Lamps
- Specialty Lighting

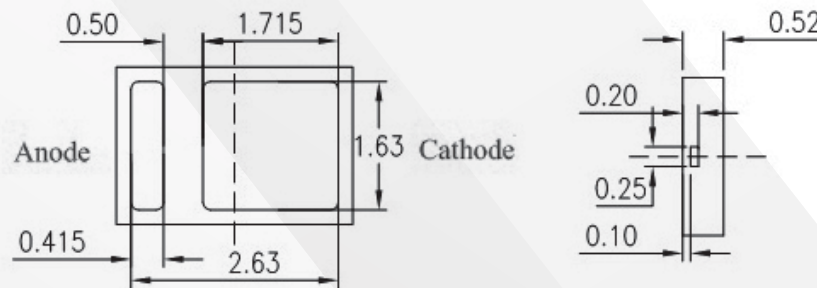
LUXEON 3020 product performance at 120mA and 100mA at specified temperature.

NOMINAL CCT <sup>[1]</sup>	MINIMUM CRI <sup>[2, 3]</sup>	LUMINOUS FLUX <sup>[2, 3]</sup> (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TYPICAL LUMINOUS FLUX (lm)	TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
		MINIMUM	TYPICAL				
		120mA					
4000K	70	51	56	153	48	160	L130-4070002011001
5000K	70	51	56	153	48	160	L130-5070002011001
5700K	70	51	56	153	48	160	L130-5770002011001
6500K	70	51	56	153	48	160	L130-6570002011001
2200K	80	40	46	125	40	133	L130-2280002011001
2500K	80	44	50	135	43	143	L130-2580002011001
2700K	80	42	52	134	42	140	L130-2780002011001
3000K	80	44	53	134	43	143	L130-3080002011001
3500K	80	45	55	139	44	147	L130-3580002011001
4000K	80	46	57	145	46	153	L130-4080002011001
5000K	80	46	58	145	46	153	L130-5080002011001
5700K	80	46	57	145	46	153	L130-5780002011001
6500K	80	46	57	145	46	153	L130-6580002011001
2700K	90	36	41	112	35	117	L130-2790002011001
3000K	90	37	42	115	36	120	L130-3090002011001
3500K	90	38	43	117	37	123	L130-3590002011001
4000K	90	40	45	123	38	127	L130-4090002011001

Notes:

1. Correlated color temperature is not targeted at T<sub>j</sub>=85°C.
2. Luminous flux and CRI are based upon mounted package on highly reflective surface at T<sub>j</sub>=25°. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.
3. Lumileds maintains a tolerance of ±2 on CRI and ±7.5% on luminous flux measurements.

Mechanical Dimensions



Notes:

1. Drawings are not to scale.
2. All dimensions are in millimeters.
3. Tolerance: ±0.10mm.

©2017 Lumileds Holding B.V. All rights reserved.  
LUXEON is a registered trademark of the Lumileds Holding B.V. in the United States and other countries.

[lumileds.com](http://lumileds.com)

Neither Lumileds Holding B.V. nor its affiliates shall 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 Lumileds Holding B.V. and/or its affiliates have attempted to provide the most accurate information and data, the materials and services information and data are provided "as is," and neither Lumileds Holding B.V. nor its affiliates warrants or guarantees the contents and correctness of the provided information and data. Lumileds Holding B.V. and its affiliates reserve 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.