



LUXEON 4014

A compact footprint delivering high efficacy and just the right amount of light



LUXEON 4014 is a 2.9V low-power product, the first of its kind from Lumileds. It is a compact QFN 4.0mm x 1.4mm x 0.7mm package that delivers the Quality of Light needed for indoor lighting applications. LUXEON 4014 offers an ideal solution when uniformity and a smooth lighting appearance are critical in luminaire designs.

FEATURES AND BENEFITS

- Rectangular QFN package design increases uniformity
- Superior heat dissipation enables cost effective design
- Unique phosphor technology enables high efficacy
- 1/6th ANSI color binning for tight color control
- Superior heat dissipation enables cost effective thermal design

PRIMARY APPLICATIONS

- Indoor Area Lighting

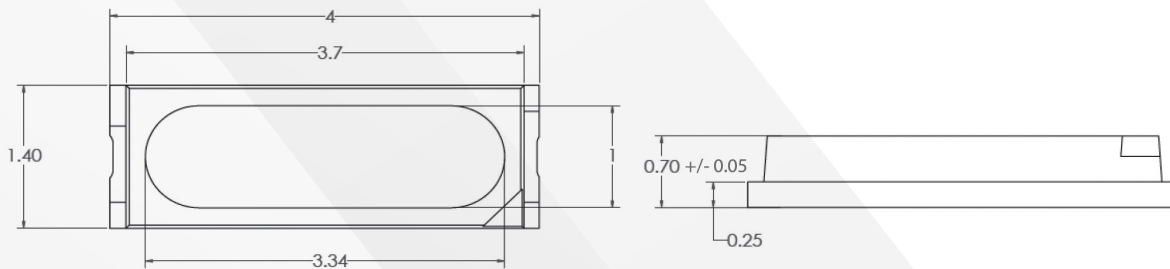
LUXEON 4014 product performance at 30mA and 60mA, T_j= 25°C.

NOMINAL CCT ^[1]	MINIMUM CRI ^[2]	LUMINOUS FLUX ^[3] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TYPICAL LUMINOUS FLUX (lm)	TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
		MINIMUM	TYPICAL				
		30mA					
5000K	70	10	13	7	23	13	MXZ7-PW50
5700K	70	10	13	7	23	13	MXZ7-PW57
6500K	70	10	13	7	23	13	MXZ7-PW65
2200K	80	8.5	9.7	6	17	9	MXZ8-PW22
2500K	80	8.5	10.2	6	17	9	MXZ8-PW25
2700K	80	8.5	10.5	6	18	10	MXZ8-PW27
3000K	80	8.5	11	6	20	11	MXZ8-PW30
3500K	80	9	11	6	20	11	MXZ8-PW35
4000K	80	10	12	7	22	12	MXZ8-PW40
5000K	80	10	12	7	22	12	MXZ8-PW50
5700K	80	9.5	11.5	7	20	11	MXZ8-PW57
6500K	80	9.5	11.5	7	20	11	MXZ8-PW65
3000K	90	8.5	9.3	5	17	9	MXZ9-PW30
4000K	90 typ.	10	11.1	6	20	11	MXZ9-PW40
5000K	90 typ.	10	11.1	6	20	11	MXZ9-PW50
2700K	90	8.5	9	5	17	9	MXZ9-PW27

Notes:

1. Lumileds maintains a tolerance of ±7.5% on flux measurements.
2. Correlated color temperature is based upon mounted die on highly reflective surface at T_j=25°C.

Mechanical Dimensions.



Notes:

1. Drawings are not scale.
2. All dimensions are in millimeters.