



# LUXEON 2835 Color Line

The best performance, the most colors



The LUXEON 2835 Color Line enables a new era of color lighting. This robust color line provides high performance and is targeted at cost effective designs. Complemented by a broad range of white offerings, the LUXEON 2835 Color Line enables RGBW applications. This product line extends the comprehensive LUXEON Color Family.

## FEATURES AND BENEFITS

Single die and single source architecture for optical control

Full color palette for a wider spectrum range

## PRIMARY APPLICATIONS

Panel / Soft Lights

Wall Grazer

Linear

Wall Wash

Decorative

Retrofit Lamps

Landscape Lighting

LUXEON 2835 Colors product performance at 120mA and 200mA, T<sub>j</sub>=25°C.

COLOR	DOMINANT or PEAK WAVELENGTH <sup>[1]</sup> (nm)		LUMINOUS FLUX <sup>[2]</sup> (lm) or RADIOMETRIC POWER <sup>[3]</sup> (mW)			PART NUMBER
	MINIMUM	MAXIMUM	MINIMUM	120mA TYPICAL	200mA TYPICAL	
Far Red	720	740	85	98	160	L128-FRD1003500000
Deep Red	650	670	98	110	181	L128-DRD1003500000
Red	620	630	15	20	31	L128-RED1003500000
Red-Orange	610	620	19	27	43	L128-RNG1003500000
PC Red-Orange	-	-	21	24	36	L128-PCO1003500000
PC Amber	-	-	44	52	83	L128-PCA1003500000
Mint	-	-	69	77	120	L128-MNT1003500000
Lime	-	-	70	82	129	L128-LME1003500000
Green	520	540	40	47	62	L128-GRN1003500000
	520	540	48	58	85	L128-GRN2003500000
Cyan	490	510	21	30	41	L128-CYN1003500000
Blue	469	480	13	18	27	L128-BLU1003500000
PC Blue	-	-	16	20	30	L128-PCB1003500000
Royal Blue	440	455	185	230	366	L128-RYL1003500000

Notes:

- Lumileds maintains a tolerance of ±1nm on dominant wavelength measurements. PC Amber, PC Red-Orange, Mint, Lime and PC Blue are binned by chromaticity coordinates. Far Red, Deep Red and Royal Blue are binned by peak wavelength. All other colors are binned by dominant wavelength.
- Lumileds maintains a tolerance of ±7.5% on luminous flux measurements.
- Far Red, Deep Red and Royal Blue are binned by radiometric power. All other colors are binned by luminous flux.

LUXEON 2835 White product performance of at 120mA, T<sub>j</sub>=25°C.

COLOR	NOMINAL CCT	MINIMUM CRI	LUMINOUS FLUX (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
			MINIMUM	TYPICAL		
White	5700K	70	58	68	198	L128-5770003500000
	3000K	80	54	62	182	L128-3080003500000
	4000K	80	56	64	187	L128-4080003500000

Notes:

- Lumileds maintains a tolerance of ±7.5% on luminous flux measurements.

LUXEON 2835 Colors 36V product performance at specified test current 20mA, T<sub>j</sub>=25°C.

COLOR	DOMINANT or PEAK WAVELENGTH <sup>[1]</sup> (nm)		LUMINOUS FLUX <sup>[2]</sup> (lm) or RADIOMETRIC POWER <sup>[3]</sup> (mW)		PART NUMBER
	MINIMUM	MAXIMUM	MINIMUM	20mA TYPICAL	
PC Red-Orange	615	620	21	27	L128-PCO10L3500000
Lime	563	568	127	139	L128-LME10L3500000
PC Green	530	536	126	134	L128-PCG10L3500000
	543	550	134	145	L128-PCG20L3500000
Royal Blue	440	455	357	386	L128-RYL10L3500000

Notes:

- Lumileds maintains a tolerance of ±1nm on dominant wavelength measurements. PC Red-Orange, Lime and PC Green are binned by chromaticity coordinates. Royal Blue is binned by peak wavelength.
- Lumileds maintains a tolerance of ±7.5% on luminous flux measurements.
- Royal Blue are binned by radiometric power. All other colors are binned by luminous flux.