LUMILEDS

ILLUMINATION



LUXEON 3030 HE
LUXEON 3030 HE Plus

Industry leading efficacy, 3V 3030 package

Now With NightScape Technology

NightScape Technology enables white light with blue light content that is less than 2%.

LUXEON 3030 HE and LUXEON 3030 HE Plus are superior high efficacy, mid power package built on the legacy of the LUXEON 3030 product line. It serves as a go-to solution for various indoor and outdoor fixture applications that require top notch lm/W and µmol/J performance and long lifetime. LUXEON 3030 HE and LUXEON 3030 HE Plus adopt quadrant bin structure within 3 SDCM, which enables 2 SDCM by kitting. Futhermore, with the latest NightScape Technology, LUXEON 3030 HE Plus enabled revolutionary environmental friendly outdoor solutions with blue content below 2%.

FEATURES AND BENEFITS

- Superior high efficacy at rated current enables outstanding lm/W at system level
- Reliable package design from a proven product line affirms application long lifetime
- Quadrant bin structure within 3 SDCM enables 2 SDCM by kitting
- Industry standard package allows drop-in replacement for existing 3030 packages
- Robust coating design for enhanced sulfurprotection capability (LUXEON 3030 HE Plus) [1]

[1] Refer to reliability datasheet for more details.

PRIMARY APPLICATIONS

- Panel / Soft Lights
- Spotlights
- Linear
- Troffers
- Downlights
- Wall Pack

cULus No. E507562 RoHS COMPLIANT

LUXEON 3030 HE and LUXEON 3030 HE Plus product performance at 65mA, T_j=25°C

PART	NOMINAL CCT [1]	MINIMUM CRI [2, 3]	LUMINOUS FLUX [2, 3] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
			MINIMUM	TYPICAL		
			65mA			
LUXEON 3030 HE	3000K	70	32.7	35.5	195	L130-3070HB30000B1
	3500K	70	34.0	37.0	203	L130-3570HB30000B1
	4000K	70	34.5	37.5	206	L130-4070HB30000B1
	5000K	70	34.5	37.5	206	L130-5070HB30000B1
	5700K	70	34.0	37.0	203	L130-5770HB30000B1
	6500K	70	33.5	36.4	200	L130-6570HB30000B1
	2700K	80	29.0	33.5	184	L130-2780HB30000B1
	3000K	80	29.5	34.0	187	L130-3080HB30000B1
	3500K	80	30.0	35.0	192	L130-3580HB30000B1
	4000K	80	32.0	36.5	201	L130-4080HB30000B1
	5000K	80	31.5	36.0	198	L130-5080HB30000B1
	5700K	80	31.5	36.0	198	L130-5780HB30000B1
	6500K	80	31.0	35.5	195	L130-6580HB30000B1
	2700K	90	24.5	28.0	154	L130-2790HB30000B1
	3000K	90	25.0	28.5	157	L130-3090HB30000B1
	3500K	90	26.0	29.5	162	L130-3590HB30000B1
	4000K	90	27.5	30.5	168	L130-4090HB30000B1
	5000K	90	27.0	30.0	165	L130-5090HB30000B1
	5700K	90	27.0	30.0	165	L130-5790HB30000B1
	6500K	90	27.0	30.0	165	L130-6590HB30000B1
LUXEON 3030 HE Plus	2200K	70	29.5	32.0	182	L130-2270HA30000B1
	3000K	70	34.0	37.0	210	L130-3070HA30000B1
	3500K	70	35.0	38.0	216	L130-3570HA30000B1
	4000K	70	36.0	39.0	221	L130-4070HA30000B1
	5000K	70	36.0	39.0	221	L130-5070HA30000B1
	5700K	70	35.0	38.0	216	L130-5770HA30000B1
	6500K	70	34.5	37.5	213	L130-6570HA30000B1
	2700K	80	30.0	33.5	190	L130-2780HA30000B1
	3000K	80	32.0	35.0	199	L130-3080HA30000B1
	3500K	80	33.0	36.0	204	L130-3580HA30000B1
	4000K	80	34.0	37.0	210	L130-4080HA30000B1
	5000K	80	34.0	37.0	210	L130-5080HA30000B1
	5700K	80	33.5	36.5	207	L130-5780HA30000B1
	6500K	80	33.0	36.0	204	L130-6580HA30000B1
	2700K	90	26.0	28.5	162	L130-2790HA30000B1
	3000K	90	27.0	29.5	167	L130-3090HA30000B1
	3500K	90	27.5	30.5	173	L130-3590HA30000B1
	4000K	90	28.5	31.5	179	L130-4090HA30000B1
	5000K	90	28.5	31.5	179	L130-5090HA30000B1
	5700K	90	28.5	31.5	179	L130-5790HA30000B1
	6500K	90	28.0	31.0	176	L130-6590HA30000B1

Table continued on next page:

1. Correlated color temperature is not targeted at T_j=25°C.
2. Luminous flux and CRI are specified at T_j=25°C. 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.
4. With Nightscape technology inside.

LUXEON 3030 HE and LUXEON 3030 HE Plus product performance at 65mA, T_j=25°C, Continued.

PART	NOMINAL CCT [1]	MINIMUM CRI [2, 3]	LUMINOUS FLUX [2, 3] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
			MINIMUM	TYPICAL		
			65mA			
LUXEON 3030 HE Plus	1850K [4]	50	29.5	32.2	183	L130-NSC1HA30000C1
	2200K	70	29.5	33.1	188	L130-2270HA30000C1
	3000K	70	34.0	37.7	215	L130-3070HA30000C1
	3500K	70	35.0	38.7	221	L130-3570HA30000C1
	4000K	70	36.0	39.4	224	L130-4070HA30000C1
	5000K	70	36.0	39.4	224	L130-5070HA30000C1
	5700K	70	35.0	38.5	219	L130-5770HA30000C1
	6500K	70	34.5	38.0	216	L130-6570HA30000C1
	2700K	80	30.0	33.8	193	L130-2780HA30000C1
	3000K	80	32.0	35.2	201	L130-3080HA30000C1
	3500K	80	33.0	36.6	209	L130-3580HA30000C1
	4000K	80	34.0	37.6	214	L130-4080HA30000C1
	5000K	80	34.0	37.6	214	L130-5080HA30000C1
	5700K	80	33.5	37.0	211	L130-5780HA30000C1
	6500K	80	33.0	36.6	209	L130-6580HA30000C1
	2700K	90	26.0	28.8	164	L130-2790HA30000C1
	3000K	90	27.0	30.0	171	L130-3090HA30000C1
	3500K	90	27.5	30.5	174	L130-3590HA30000C1
	4000K	90	28.5	32.1	183	L130-4090HA30000C1
	5000K	90	28.5	32.1	183	L130-5090HA30000C1
	5700K	90	28.5	32.1	183	L130-5790HA30000C1
	6500K	90	28.0	31.3	178	L130-6590HA30000C1

Notes:
1. Correlated color temperature is hot targeted at T_j=25°C.
2. Luminous flux and CRI are specified at T_j=25°C. 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.
4. With Nightscape technology inside.

Percent Blue for LUXEON 3030 HE Plus with NightScape Technology at test current, T_j=25°C

PART NUMBER	BLUE CONTENT [1]	
	TYPICAL	MAXIMUM
L130-NSC1HA30000C1	1%	2%

Notes:
1. Blue content is defined as the radiometric flux emitted between 400nm and 500nm divided by the total radiometric power.