



# 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  $\mu\text{mol/J}$  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. Furthermore, 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)<sup>[1]</sup>

[1] Refer to reliability datasheet for more details.

### PRIMARY APPLICATIONS

Panel / Soft Lights

Spotlights

Linear

Troffers

Downlights

Wall Pack

LUXEON 3030 HE and LUXEON 3030 HE Plus product performance at 65mA, T<sub>j</sub>=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<sub>j</sub>=25°C.
2. Luminous flux and CRI are specified at T<sub>j</sub>=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<sub>j</sub>=25°C, Continued.

PART	NOMINAL CCT <sup>[1]</sup>	MINIMUM CRI <sup>[2, 3]</sup>	LUMINOUS FLUX <sup>[2, 3]</sup> (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
			MINIMUM	TYPICAL		
			65mA			
LUXEON 3030 HE Plus	1850K <sup>[4]</sup>	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 not targeted at T<sub>j</sub>=25°C.
2. Luminous flux and CRI are specified at T<sub>j</sub>=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<sub>j</sub>=25°C

PART NUMBER	BLUE CONTENT <sup>[1]</sup>	
	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.