

Performance at Commonly Used Drive Currents

Vero LED arrays are tested to the specifications shown using the nominal drive currents in Table 1. Vero may also be driven at other drive currents dependent on specific application design requirements. The performance at any drive current can be derived from the current vs. voltage characteristics shown in Figure 1 and the flux vs. current characteristics shown in Figure 2. The performance at commonly used drive currents is summarized in Table 3.

Table 3: Product Performance at Commonly Used Drive Currents

Part Number	CRI	Drive Current ¹ (mA)	Typical V _f T _c = 25°C (V)	Typical Power T _c = 25°C (W)	Typical Flux ² T _c = 25°C (lm)	Typical DC Flux ³ T _c = 85°C (lm)	Typical Efficacy T _c = 25°C (lm/W)
BXRC-27E2000-C-2x	80	175	30.2	5.3	774	708	146
		350	31.4	11.0	1473	1348	134
		500	32.3	16.2	2019	1849	125
		700	33.4	23.4	2679	2460	115
		1050	35.1	36.9	3627	3349	98
2700 Kelvin 80% Farbwiedergabe							
BXRC-27G2000-C-2x	90	175	30.2	5.3	644	566	122
		350	31.4	11.0	1226	1078	112
		500	32.3	16.2	1680	1478	104
		700	33.4	23.4	2229	1967	95
		1050	35.1	36.9	3018	2678	82
2700 Kelvin 90% Farbwiedergabe							
BXRC-30E2000-C-2x	80	175	30.2	5.3	812	731	154
		350	31.4	11.0	1547	1392	141
		500	32.3	16.2	2120	1910	131
		700	33.4	23.4	2813	2540	120
		1050	35.1	36.9	3809	3459	103
3.000 Kelvin							
BXRC-30G2000-C-2x	90	175	30.2	5.3	674	593	128
		350	31.4	11.0	1284	1129	117
		500	32.3	16.2	1760	1549	109
		700	33.4	23.4	2335	2060	100
		1050	35.1	36.9	3162	2805	86
3.000 Kelvin							
BXRC-35E2000-C-2x	80	175	30.2	5.3	824	746	156
		350	31.4	11.0	1569	1419	143
		500	32.3	16.2	2150	1947	133
		700	33.4	23.4	2853	2590	122
		1050	35.1	36.9	3863	3527	105
3.500 Kelvin							
BXRC-35G2000-C-2x	90	175	30.2	5.3	705	620	133
		350	31.4	11.0	1343	1181	122
		500	32.3	16.2	1841	1620	114
		700	33.4	23.4	2443	2155	104
		1050	35.1	36.9	3307	2934	90
3.500 Kelvin							

Notes for Table 3:

1. Alternate drive currents in Table 3 are provided for reference only and are not a guarantee of performance.
2. Bridgelux maintains a ± 7% tolerance on flux measurements.
3. Typical stabilized DC performance values are provided as reference only and are not a guarantee of performance.

Leistung einstellbar

Effizienz in lm/Watt

Farbwiedergabe 80 % 90 %

Leistungsaufnahme

Lichtleistung im Lumen

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BXRC-27E4000-F-2x	80	500	28.1	14.1	1996	1804	142
		700	28.7	20.1	2717	2457	135
		1050	29.5	31.0	3872	3512	125
		1400	30.2	42.3	4919	4473	116
		2100	31.6	66.4	6624	6071	100
2700 Kelvin 80% Farbwiedergabe							
BXRC-27G4000-F-2x	90	500	28.1	14.1	1660	1456	118
		700	28.7	20.1	2260	1983	112
		1050	29.5	31.0	3221	2834	104
		1400	30.2	42.3	4092	3610	97
		2100	31.6	66.4	5511	4901	83
2700 Kelvin 90% Farbwiedergabe							
BXRC-30E4000-F-2x	80	500	28.1	14.1	2088	1882	149
		700	28.7	20.1	2841	2562	141
		1050	29.5	31.0	4050	3662	131
		1400	30.2	42.3	5145	4664	122
		2100	31.6	66.4	6929	6331	104
3.000 Kelvin							
BXRC-30G4000-F-2x	90	500	28.1	14.1	1740	1527	124
		700	28.7	20.1	2369	2079	118
		1050	29.5	31.0	3376	2971	109
		1400	30.2	42.3	4289	3784	101
		2100	31.6	66.4	5776	5136	87
3.000 Kelvin							
BXRC-35E4000-F-2x	80	500	28.1	14.1	2139	1937	152
		700	28.7	20.1	2912	2638	145
		1050	29.5	31.0	4150	3770	134
		1400	30.2	42.3	5272	4802	125
		2100	31.6	66.4	7100	6518	107
3.500 Kelvin							
BXRC-35G4000-F-2x	90	500	28.1	14.1	1884	1653	134
		700	28.7	20.1	2564	2250	128
		1050	29.5	31.0	3655	3216	118
		1400	30.2	42.3	4643	4097	110
		2100	31.6	66.4	6253	5561	94
3.500 Kelvin							

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Leistung einstellbar

Effizienz in lm/Watt

Farbwiedergabe 80% 90 %

Leistungsaufnahme

Lichtleistung in Lumen



Bridgelux® Vero® 18 Array Series

Product Data Sheet DS32

knöppel

RAUMKONZEPTE
LADEN-/MÖBELBAU
LICHTPLANUNG



BXRC-27X4000

30X4000

35X4000

40X4000

50X4000