



Bridgelux® Gen 7 Vero® 10 Array

Product Data Sheet DS90



Introduction

Vero® Series



Vero® Series is a revolutionary advancement in chip on board (COB) light source technology and innovation. Vero LED light sources simplify luminaire design and manufacturing processes. Vero Chip on Board (COB) LED arrays are available in four LES configurations, engineered to enable new degrees of flexibility and reliability over a broad range of electrical currents. Vero arrays deliver increased lumen density to enable improved beam control and precision lighting with 2 and 3 SDCM color control standard for clean and consistent uniform lighting.

Vero products include an onboard connector port that enables a solder-free electrical interconnect, and simple mounting features for plug-and-play installation.

Bridgelux Décor Series™ is our state-of-the-art color line designed specifically for premium applications, producing unmatched LED light quality with brilliant color-rendering options and pleasing lighting palettes. Bridgelux Décor Series color points are available on Vero® SE Series, Vero® Series, V Series™ and V Series™ HD.

Décor Series™ Class A is based on human response testing, providing color points with a combined GAI and CRI metric.

Décor Series™ Ultra products provide a high CRI of 97 and minimum R_g value of 93, which emphasizes the reds and color tones to which the human eye is most receptive - perfect for the most luxurious retail shops and world renowned museums. Décor Series Ultra is designed as a replacement for halogen lamps.

Décor Series™ Street and Landmark is designed to be a direct replacement for high pressure sodium lamps.

Décor Series™ Showcase is the optimal solution for replacing ceramic metal halide lamps, incorporating the same pure white light with enhanced spectrum coverage and higher efficacy.

Features

- Efficacy of 167 lm/W typical
- Lumen output performance ranges from 520 to 4,100 lumens
- Broad range of CCT options from 2700K to 6500K
- CRI options include minimum 65, 70, 80, and 90
- 2 and 3 SDCM color control for 2700K-4000K CCT
- Reliable operation at up to 2X nominal drive current
- Radial die pattern and improved lumen density
- Thermally isolated solder pads
- On-board connector port
- Top side part number markings
- V_f bin code backside marking

Benefits

- Broad application coverage for interior and exterior lighting
- Flexibility for application driven lighting design requirements
- High quality true color reproduction
- Uniform consistent white light
- Flexibility in design optimization
- Enhanced ease of use and assembly
- Solderless connectivity enables plug & play installation and field upgradability
- Improved inventory management and quality control

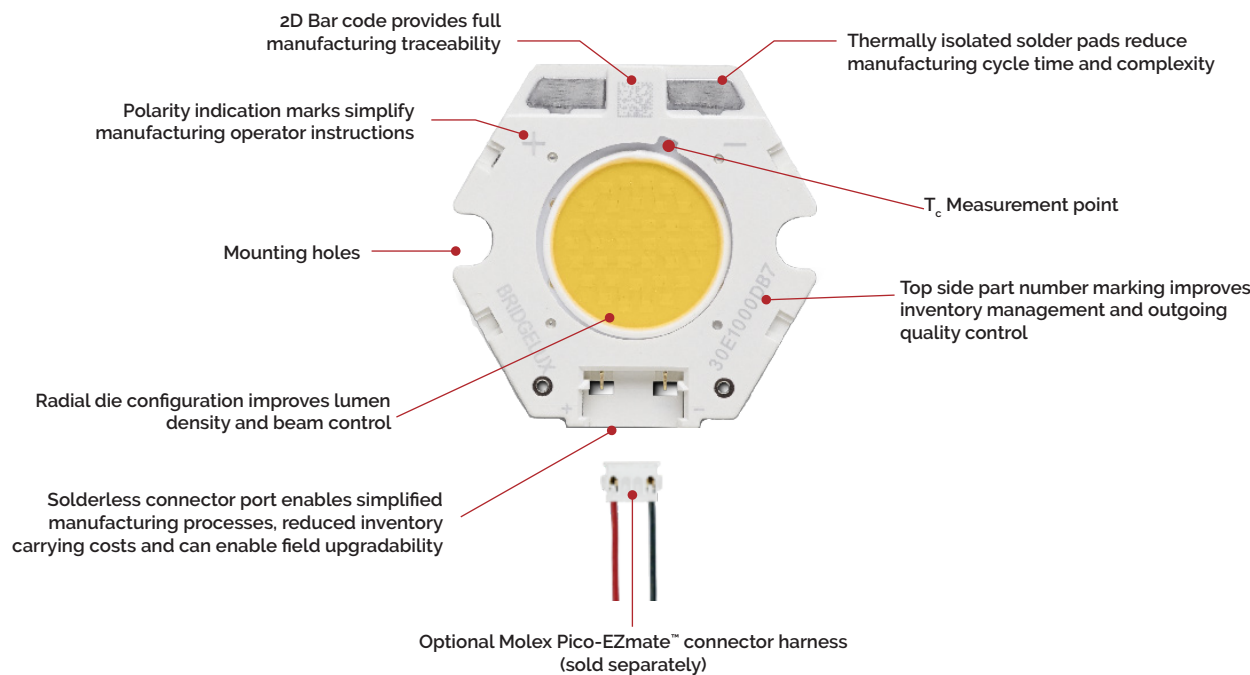
Contents

Product Feature Map	2
Product Nomenclature	2
Product Selection Guide	3
Performance at Commonly Used Drive Currents	10
Electrical Characteristics	19
Eye Safety	20
Absolute Maximum Ratings	21
Performance Curves	22
Typical Radiation Pattern	25
Typical Color Spectrum	26
Mechanical Dimensions	27
Color Binning Information	28
Packaging and Labeling	29
Design Resources	31
Precautions	31
Disclaimers	31
About Bridgelux	32

Product Feature Map

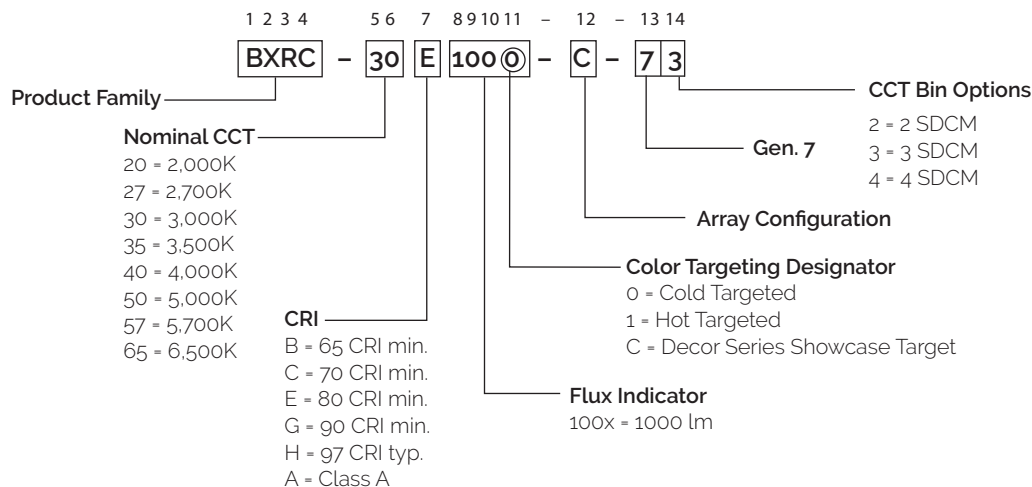
Vero 10 is the smallest form factor in the Vero family of next generation solid state light sources. In addition to delivering the performance and light quality required for many lighting applications, Vero incorporates several

features to simplify the design integration and manufacturing process, accelerate time to market and reduce system costs. Please visit www.bridgelux.com for more information on the Vero Series family of products.



Product Nomenclature

The part number designation for Bridgelux Vero LED arrays is explained as follows:



Product Selection Guide

The following product configurations are available:

Table 1: Selection Guide, Pulsed Measurement Data ($T_j = T_c = 25^\circ\text{C}$)

Part Number	Nominal CCT ¹ (K)	CRI ²	Nominal Drive Current ³ (mA)	Typical Pulsed Flux ^{4,5,6} $T_c = 25^\circ\text{C}$ (lm)	Minimum Pulsed Flux ^{6,7} $T_c = 25^\circ\text{C}$ (lm)	Typical V_f (V)	Typical Power (W)	Typical Efficacy (lm/W)
BXRC-20B1000-B-73	2000	65	270	1431	1259	34.8	9.4	152
BXRC-20B1000-D-73	2000	65	350	1386	1220	26.0	9.1	152
BXRC-27E1000-B-7x	2700	80	270	1458	1283	34.8	9.4	155
BXRC-27E1000-C-7x	2700	80	360	1944	1711	34.8	12.5	155
BXRC-27E1000-D-7x	2700	80	350	1412	1243	26.0	9.1	155
BXRC-27G10H0-B-7x	2700	90	270	1249	1099	34.8	9.4	133
BXRC-27G10H0-C-7x	2700	90	360	1665	1465	34.8	12.5	133
BXRC-27G10H0-D-7x	2700	90	350	1209	1064	26.0	9.1	133
BXRC-27G1000-B-7x	2700	90	270	1203	1059	34.8	9.4	128
BXRC-27G1000-C-7x	2700	90	360	1604	1412	34.8	12.5	128
BXRC-27G1000-D-7x	2700	90	350	1165	1025	26.0	9.1	128
BXRC-27H1000-B-7x	2700	97	270	1066	938	34.8	9.4	113
BXRC-27H1000-C-7x	2700	97	360	1422	1251	34.8	12.5	113
BXRC-27H1000-D-7x	2700	97	350	1033	909	26.0	9.1	113
BXRC-30C1001-B-74	3000	70	270	1622	1428	34.8	9.4	173
BXRC-30C1001-C-74	3000	70	360	2163	1904	34.8	12.5	173
BXRC-30C1001-D-74	3000	70	350	1571	1383	26.0	9.1	173
BXRC-30E1000-B-7x	3000	80	270	1549	1363	34.8	9.4	165
BXRC-30E1000-C-7x	3000	80	360	2066	1818	34.8	12.5	165
BXRC-30E1000-D-7x	3000	80	350	1501	1321	26.0	9.1	165
BXRC-30G10H0-B-7x	3000	90	270	1312	1155	34.8	9.4	140
BXRC-30G10H0-C-7x	3000	90	360	1750	1540	34.8	12.5	140
BXRC-30G10H0-D-7x	3000	90	350	1271	1119	26.0	9.1	140
BXRC-30G1000-B-7x	3000	90	270	1258	1107	34.8	9.4	134
BXRC-30G1000-C-7x	3000	90	360	1677	1476	34.8	12.5	134
BXRC-30G1000-D-7x	3000	90	350	1218	1072	26.0	9.1	134
BXRC-30G100C-B-73	3000	90	270	1212	1067	34.8	9.4	129
BXRC-30G100C-D-73	3000	90	350	1174	1033	26.0	9.1	129
BXRC-30H1000-B-7x	3000	97	270	1139	1003	34.8	9.4	121
BXRC-30H1000-C-7x	3000	97	360	1519	1337	34.8	12.5	121
BXRC-30H1000-D-7x	3000	97	350	1103	971	26.0	9.1	121
BXRC-30A1001-B-73 ^{8,9}	3000	93	270	1130	995	34.8	9.4	120

Notes for Table 1:

- Nominal CCT as defined by ANSI C78.377-2011. Products with a CCT of 5000K-6500K are not targeted to $T_c = 85^\circ\text{C}$.
- CRI values are typical for Decor Series Ultra, Decor Series Street and Landmark and Decor Series Class A products. CRI values are minimums for all other products. Minimum Rg value for 80 CRI products is 0, the minimum Rg value for 90 CRI products is 50, the minimum Rg value for 97 CRI products is 93. Bridgelux maintains a ± 3 tolerance on CRI and Rg values.
- Drive current is referred to as nominal drive current.
- Products tested under pulsed condition (10ms pulse width) at nominal test current where T_j (junction temperature) = T_c (case temperature) = 25°C .
- Typical performance values are provided as a reference only and are not a guarantee of performance.
- Bridgelux maintains a $\pm 7\%$ tolerance on flux measurements.
- Minimum flux values at the nominal test current are guaranteed by 100% test.
- Nominal CCT is defined by the Lighting Research Center's Class A definition. The center of the Class A color bin is on the corresponding isothermal line.
- GAI value is 80. To help ensure optimal fixture level performance, GAI is measured at the fixture level, on axis, at a case temperature of 70°C . GAI may vary depending on fixture design and performance.

Product Selection Guide

Table 1: Selection Guide, Pulsed Measurement Data ($T_j = T_c = 25^\circ\text{C}$) (continued)

Part Number	Nominal CCT ¹ (K)	CRI ²	Nominal Drive Current ³ (mA)	Typical Pulsed Flux ^{4,5,6} $T_c = 25^\circ\text{C}$ (lm)	Minimum Pulsed Flux ^{6,7} $T_c = 25^\circ\text{C}$ (lm)	Typical V_f (V)	Typical Power (W)	Typical Efficacy (lm/W)
BXRC-30A1001-C-73 ^{8,9}	3000	93	360	1507	1326	34.8	12.5	120
BXRC-30A1001-D-73 ^{8,9}	3000	93	350	1095	963	26.0	9.1	120
BXRC-35E1000-B-7x	3500	80	270	1586	1396	34.8	9.4	169
BXRC-35E1000-C-7x	3500	80	360	2114	1861	34.8	12.5	169
BXRC-35E1000-D-7x	3500	80	350	1536	1352	26.0	9.1	169
BXRC-35G1000-B-7x	3500	90	270	1303	1147	34.8	9.4	139
BXRC-35G1000-C-7x	3500	90	360	1738	1529	34.8	12.5	139
BXRC-35G1000-D-7x	3500	90	350	1262	1111	26.0	9.1	139
BXRC-35A1001-B-73 ^{8,9}	3500	93	270	1203	1059	34.8	9.4	128
BXRC-35A1001-C-73 ^{8,9}	3500	93	360	1604	1412	34.8	12.5	128
BXRC-35A1001-D-73 ^{8,9}	3500	93	350	1165	1025	26.0	9.1	128
BXRC-40C1001-B-74	4000	70	270	1668	1468	34.8	9.4	178
BXRC-40C1001-C-74	4000	70	360	2224	1957	34.8	12.5	178
BXRC-40C1001-D-74	4000	70	350	1615	1422	26.0	9.1	178
BXRC-40E1000-B-7x	4000	80	270	1595	1404	34.8	9.4	170
BXRC-40E1000-C-7x	4000	80	360	2127	1871	34.8	12.5	170
BXRC-40E1000-D-7x	4000	80	350	1545	1359	26.0	9.1	170
BXRC-40G1000-B-7x	4000	90	270	1331	1171	34.8	9.4	142
BXRC-40G1000-C-7x	4000	90	360	1774	1561	34.8	12.5	142
BXRC-40G1000-D-7x	4000	90	350	1289	1134	26.0	9.1	142
BXRC-40H1000-B-7x	4000	97	270	1203	1059	34.8	9.4	128
BXRC-40H1000-C-7x	4000	97	360	1604	1412	34.8	12.5	128
BXRC-40H1000-D-7x	4000	97	350	1165	1025	26.0	9.1	128
BXRC-40A1001-B-73 ^{8,9}	4000	93	270	1303	1147	34.8	9.4	139
BXRC-40A1001-C-73 ^{8,9}	4000	93	360	1738	1529	34.8	12.5	139
BXRC-40A1001-D-73 ^{8,9}	4000	93	350	1262	1111	26.0	9.1	139
BXRC-50C1001-B-7x	5000	70	270	1677	1476	34.8	9.4	178
BXRC-50C1001-C-7x	5000	70	360	2236	1968	34.8	12.5	178
BXRC-50C1001-D-7x	5000	70	350	1624	1429	26.0	9.1	178
BXRC-50E1001-B-7x	5000	80	270	1613	1420	34.8	9.4	172
BXRC-50E1001-C-7x	5000	80	360	2151	1893	34.8	12.5	172
BXRC-50E1001-D-7x	5000	80	350	1562	1375	26.0	9.1	172
BXRC-50G1001-B-7x	5000	90	270	1394	1227	34.8	9.4	148
BXRC-50G1001-C-7x	5000	90	360	1859	1636	34.8	12.5	148
BXRC-50G1001-D-7x	5000	90	350	1351	1188	26.0	9.1	148

Notes for Table 1:

- Nominal CCT as defined by ANSI C78.377-2011. Products with a CCT of 5000K-6500K are hot targeted to $T_c = 85^\circ\text{C}$.
- CRI values are typical for Decor Series Ultra, Decor Series Street and Landmark and Decor Series Class A products. CRI values are minimums for all other products. Minimum Rg value for 80 CRI products is 0, the minimum Rg value for 90 CRI products is 50, the minimum Rg value for 97 CRI products is 93. Bridgelux maintains a ± 3 tolerance on CRI and Rg values.
- Drive current is referred to as nominal drive current.
- Products tested under pulsed condition (10ms pulse width) at nominal test current where T_j (junction temperature) = T_c (case temperature) = 25°C .
- Typical performance values are provided as a reference only and are not a guarantee of performance.
- Bridgelux maintains a $\pm 7\%$ tolerance on flux measurements.
- Minimum flux values at the nominal test current are guaranteed by 100% test.
- Nominal CCT is defined by the Lighting Research Center's Class A definition. The center of the Class A color bin is on the corresponding isothermal line.
- GAI value is 80. To help ensure optimal fixture level performance, GAI is measured at the fixture level, on axis, at a case temperature of 70°C . GAI may vary depending on fixture design and performance.

Product Selection Guide

Table 1: Selection Guide, Pulsed Measurement Data ($T_j = T_c = 25^\circ\text{C}$) (continued)

Part Number	Nominal CCT ¹ (K)	CRI ²	Nominal Drive Current ³ (mA)	Typical Pulsed Flux ^{4,5,6} $T_c = 25^\circ\text{C}$ (lm)	Minimum Pulsed Flux ^{6,7} $T_c = 25^\circ\text{C}$ (lm)	Typical V_f (V)	Typical Power (W)	Typical Efficacy (lm/W)
BXRC-57C1001-B-7x	5700	70	270	1631	1436	34.8	9.4	174
BXRC-57C1001-C-7x	5700	70	360	2175	1914	34.8	12.5	174
BXRC-57C1001-D-7x	5700	70	350	1580	1390	26.0	9.1	174
BXRC-57E1001-B-7x	5700	80	270	1549	1363	34.8	9.4	165
BXRC-57E1001-C-7x	5700	80	360	2066	1818	34.8	12.5	165
BXRC-57E1001-D-7x	5700	80	350	1501	1321	26.0	9.1	165
BXRC-65C1001-B-7x	6500	70	270	1631	1436	34.8	9.4	174
BXRC-65C1001-C-7x	6500	70	360	2175	1914	34.8	12.5	174
BXRC-65C1001-D-7x	6500	70	350	1580	1390	26.0	9.1	174
BXRC-65E1001-B-7x	6500	80	270	1568	1380	34.8	9.4	167
BXRC-65E1001-C-7x	6500	80	360	2090	1839	34.8	12.5	167
BXRC-65E1001-D-7x	6500	80	350	1518	1336	26.0	9.1	167

Notes for Table 1:

1. Nominal CCT as defined by ANSI C78.377-2011. Products with a CCT of 5000K-6500K are hot targeted to $T_c = 85^\circ\text{C}$.
2. CRI values are typical for Decor Series Ultra, Decor Series Street and Landmark and Decor Series Class A products. CRI values are minimums for all other products. Minimum R_g value for 80 CRI products is 0, the minimum R_g value for 90 CRI products is 50, the minimum R_g value for 97 CRI products is 93. Bridgelux maintains a ± 3 tolerance on CRI and R_g values.
3. Drive current is referred to as nominal drive current.
4. Products tested under pulsed condition (10ms pulse width) at nominal test current where T_j (junction temperature) = T_c (case temperature) = 25°C .
5. Typical performance values are provided as a reference only and are not a guarantee of performance.
6. Bridgelux maintains a $\pm 7\%$ tolerance on flux measurements.
7. Minimum flux values at the nominal test current are guaranteed by 100% test.
8. Nominal CCT is defined by the Lighting Research Center's Class A definition. The center of the Class A color bin is on the corresponding isothermal line.
9. GAI value is 80. To help ensure optimal fixture level performance, GAI is measured at the fixture level, on axis, at a case temperature of 70°C . GAI may vary depending on fixture design and performance.

Product Selection Guide

Table 2: Selection Guide, Stabilized DC Performance ($T_c = 70^\circ\text{C}$) ^{7,8}

Part Number	Nominal CCT ¹ (K)	GAI ²	CRI ³	Nominal Drive Current ⁴ (mA)	Typical DC Flux ^{5,6} $T_c = 70^\circ\text{C}$ (lm)	Minimum DC Flux ^{6,9} $T_c = 70^\circ\text{C}$ (lm)	Typical V_f (V)	Typical Power (W)	Typical Efficacy (lm/W)
BXRC-30A1001-B-73	3000	80	93	270	1051	875	34.3	9.3	114
BXRC-30A1001-C-73	3000	80	93	360	1401	1167	34.3	12.3	114
BXRC-30A1001-D-73	3000	80	93	350	1018	848	25.5	8.9	114
BXRC-35A1001-B-73	3500	80	93	270	1119	1228	34.3	9.3	121
BXRC-35A1001-C-73	3500	80	93	360	1492	1637	34.3	12.3	121
BXRC-35A1001-D-73	3500	80	93	350	1084	1189	25.5	8.9	122
BXRC-40A1001-B-73	4000	80	93	270	1212	1009	34.3	9.3	131
BXRC-40A1001-C-73	4000	80	93	360	1616	1346	34.3	12.3	131
BXRC-40A1001-D-73	4000	80	93	350	1174	977	25.5	8.9	132

Notes for Table 2:

1. Nominal CCT is defined by the Lighting Research Center's Class A definition. The center of the Class A color bin is on the corresponding isothermal line.
2. To help ensure optimal fixture level performance, GAI is measured at the fixture level, on axis, at a case temperature of 70°C . GAI may vary depending on fixture design and performance.
3. CRI Values are specified as typical.
4. Drive current is referred to as nominal drive current.
5. Typical performance values are provided as a reference only and are not a guarantee of performance.
6. Bridgelux maintains a $\pm 7\%$ tolerance on flux measurements.
7. Typical stabilized DC performance values are provided as reference only and are not a guarantee of performance.
8. Typical performance is estimated based on operation under DC (direct current) with LED array mounted onto a heat sink with thermal interface material and the case temperature maintained at specified temperature. Based on Bridgelux test setup, values may vary depending on the thermal design of the luminaire and/or the exposed environment to which the product is subjected.
9. Minimum flux values at elevated temperatures are provided for reference only and are not guaranteed by 100% production testing. Based on Bridgelux test setup, values may vary depending on the thermal design of the luminaire and/or the exposed environment to which the product is subjected.

Product Selection Guide

Table 3: Selection Guide, Stabilized DC Performance ($T_c = 85^\circ\text{C}$)^{4,5}

Part Number	Nominal CCT ¹ (K)	CRI ²	Nominal Drive Current ³ (mA)	Typical DC Flux ^{4,5} $T_c = 85^\circ\text{C}$ (lm)	Minimum DC Flux ⁶ $T_c = 85^\circ\text{C}$ (lm)	Typical V_f (V)	Typical Power (W)	Typical Efficacy (lm/W)
BXRC-20B1000-B-73	2000	65	270	1288	1133	33.8	9.1	141
BXRC-20B1000-D-73	2000	65	350	1247	1098	25.3	8.9	141
BXRC-27E1000-B-7x	2700	80	270	1312	1155	33.8	9.1	144
BXRC-27E1000-C-7x	2700	80	360	1750	1540	33.8	12.2	144
BXRC-27E1000-D-7x	2700	80	350	1271	1119	25.3	8.9	144
BXRC-27G10H0-B-7x	2700	90	270	1124	989	33.8	9.1	123
BXRC-27G10H0-C-7x	2700	90	360	1498	1319	33.8	12.2	123
BXRC-27G10H0-D-7x	2700	90	350	1088	958	25.3	8.9	123
BXRC-27G1000-B-7x	2700	90	270	1083	953	33.8	9.1	119
BXRC-27G1000-C-7x	2700	90	360	1444	1270	33.8	12.2	119
BXRC-27G1000-D-7x	2700	90	350	1049	923	25.3	8.9	118
BXRC-27H1000-B-7x	2700	97	270	960	845	33.8	9.1	105
BXRC-27H1000-C-7x	2700	97	360	1280	1126	33.8	12.2	105
BXRC-27H1000-D-7x	2700	97	350	929	818	25.3	8.9	105
BXRC-30C1001-B-74	3000	70	270	1460	1285	33.8	9.1	160
BXRC-30C1001-C-74	3000	70	360	1947	1713	33.8	12.2	160
BXRC-30C1001-D-74	3000	70	350	1414	1244	25.3	8.9	160
BXRC-30E1000-B-7x	3000	80	270	1394	1227	33.8	9.1	153
BXRC-30E1000-C-7x	3000	80	360	1859	1636	33.8	12.2	153
BXRC-30E1000-D-7x	3000	80	350	1351	1188	25.3	8.9	153
BXRC-30G10H0-B-7x	3000	90	270	1181	1039	33.8	9.1	129
BXRC-30G10H0-C-7x	3000	90	360	1575	1386	33.8	12.2	129
BXRC-30G10H0-D-7x	3000	90	350	1144	1007	25.3	8.9	129
BXRC-30G1000-B-7x	3000	90	270	1132	996	33.8	9.1	124
BXRC-30G1000-C-7x	3000	90	360	1509	1328	33.8	12.2	124
BXRC-30G1000-D-7x	3000	90	350	1096	965	25.3	8.9	124
BXRC-30G100C-B-73	3000	90	270	1091	960	33.8	9.1	120
BXRC-30G100C-D-73	3000	90	350	1057	930	25.3	8.9	119
BXRC-30H1000-B-7x	3000	97	270	1025	902	33.8	9.1	112
BXRC-30H1000-C-7x	3000	97	360	1367	1203	33.8	12.2	112
BXRC-30H1000-D-7x	3000	97	350	993	874	25.3	8.9	112
BXRC-30A1001-B-73 ^{7,8}	3000	93	270	1017	895	33.8	9.1	111
BXRC-30A1001-C-73 ^{7,8}	3000	93	360	1356	1193	33.8	12.2	111
BXRC-30A1001-D-73 ^{7,8}	3000	93	350	985	867	25.3	8.9	111
BXRC-35E1000-B-7x	3500	80	270	1427	1256	33.8	9.1	156

Notes for Table 3:

- Nominal CCT as defined by ANSI C78.377-2011. Products with a CCT of 5000K-6500K are hot targeted to $T_c = 85^\circ\text{C}$.
- All CRI values are measured at $T_c = 25^\circ\text{C}$. CRI values are typical for Decor Series Ultra, Decor Series Street and Landmark and Decor Series Class A products. CRI values are minimums for all other products. Minimum R_g value for 80 CRI products is 0, the minimum R_g value for 90 CRI products is 50, the minimum R_g value for 97 CRI products is 93. Bridgelux maintains a ± 3 tolerance on CRI and R_g values.
- Drive current is referred to as nominal drive current.
- Typical stabilized DC performance values are provided as reference only and are not a guarantee of performance.
- Typical performance is estimated based on operation under DC (direct current) with LED array mounted onto a heat sink with thermal interface material and the case temperature maintained at 85°C . Based on Bridgelux test setup, values may vary depending on the thermal design of the luminaire and/or the exposed environment to which the product is subjected.
- Minimum flux values at elevated temperatures are provided for reference only and are not guaranteed by 100% production testing. Based on Bridgelux test setup, values may vary depending on the thermal design of the luminaire and/or the exposed environment to which the product is subjected.
- Nominal CCT is defined by the Lighting Research Center's Class A definition. The center of the Class A color bin is on the corresponding isothermal line.
- GAI value is 80. To help ensure optimal fixture level performance, GAI is measured at the fixture level, on axis, at a case temperature of 70°C . GAI may vary depending on fixture design and performance.

Product Selection Guide

Table 3: Selection Guide, Stabilized DC Performance ($T_c = 85^\circ\text{C}$) ^{4,5} (continued)

Part Number	Nominal CCT ¹ (K)	CRI ²	Nominal Drive Current ³ (mA)	Typical DC Flux ^{4,5} $T_c = 85^\circ\text{C}$ (lm)	Minimum DC Flux ⁶ $T_c = 85^\circ\text{C}$ (lm)	Typical V_f (V)	Typical Power (W)	Typical Efficacy (lm/W)
BXRC-35E1000-C-7x	3500	80	360	1903	1675	33.8	12.2	156
BXRC-35E1000-D-7x	3500	80	350	1382	1216	25.3	8.9	156
BXRC-35G1000-B-7x	3500	90	270	1173	1032	33.8	9.1	128
BXRC-35G1000-C-7x	3500	90	360	1564	1376	33.8	12.2	128
BXRC-35G1000-D-7x	3500	90	350	1136	1000	25.3	8.9	128
BXRC-35A1001-B-73 ^{7,8}	3500	93	270	1083	953	33.8	9.1	119
BXRC-35A1001-C-73 ^{7,8}	3500	93	360	1444	1270	33.8	12.2	119
BXRC-35A1001-D-73 ^{7,8}	3500	93	350	1049	923	25.3	8.9	118
BXRC-40C1001-B-74	4000	70	270	1501	1321	33.8	9.1	164
BXRC-40C1001-C-74	4000	70	360	2001	1761	33.8	12.2	164
BXRC-40C1001-D-74	4000	70	350	1454	1279	25.3	8.9	164
BXRC-40E1000-B-7x	4000	80	270	1435	1263	33.8	9.1	157
BXRC-40E1000-C-7x	4000	80	360	1914	1684	33.8	12.2	157
BXRC-40E1000-D-7x	4000	80	350	1390	1223	25.3	8.9	157
BXRC-40G1000-B-7x	4000	90	270	1198	1054	33.8	9.1	131
BXRC-40G1000-C-7x	4000	90	360	1597	1405	33.8	12.2	131
BXRC-40G1000-D-7x	4000	90	350	1160	1021	25.3	8.9	131
BXRC-40H1000-B-7x	4000	97	270	1083	953	33.8	9.1	119
BXRC-40H1000-C-7x	4000	97	360	1444	1270	33.8	12.2	119
BXRC-40H1000-D-7x	4000	97	350	1049	923	25.3	8.9	118
BXRC-40A1001-B-73 ^{7,8}	4000	93	270	1173	1032	33.8	9.1	128
BXRC-40A1001-C-73 ^{7,8}	4000	93	360	1564	1376	33.8	12.2	128
BXRC-40A1001-D-73 ^{7,8}	4000	93	350	1136	1000	25.3	8.9	128
BXRC-50C1001-B-7x	5000	70	270	1509	1328	33.8	9.1	165
BXRC-50C1001-C-7x	5000	70	360	2012	1771	33.8	12.2	165
BXRC-50C1001-D-7x	5000	70	350	1462	1286	25.3	8.9	165
BXRC-50E1001-B-7x	5000	80	270	1452	1278	33.8	9.1	159
BXRC-50E1001-C-7x	5000	80	360	1936	1704	33.8	12.2	159
BXRC-50E1001-D-7x	5000	80	350	1406	1237	25.3	8.9	159
BXRC-50G1001-B-7x	5000	90	270	1255	1104	33.8	9.1	137
BXRC-50G1001-C-7x	5000	90	360	1673	1473	33.8	12.2	137
BXRC-50G1001-D-7x	5000	90	350	1215	1070	25.3	8.9	137

Notes for Table 3:

- Nominal CCT as defined by ANSI C78.377-2011. Products with a CCT of 5000K-6500K are hot targeted to $T_c = 85^\circ\text{C}$.
- All CRI values are measured at $T_c = 25^\circ\text{C}$. CRI values are typical for Decor Series Ultra, Decor Series Street and Landmark and Decor Series Class A products. CRI values are minimums for all other products. Minimum R_g value for 80 CRI products is 0, the minimum R_g value for 90 CRI products is 50, the minimum R_g value for 97 CRI products is 93. Bridgelux maintains a ± 3 tolerance on CRI and R_g values.
- Drive current is referred to as nominal drive current.
- Typical stabilized DC performance values are provided as reference only and are not a guarantee of performance.
- Typical performance is estimated based on operation under DC (direct current) with LED array mounted onto a heat sink with thermal interface material and the case temperature maintained at 85°C . Based on Bridgelux test setup, values may vary depending on the thermal design of the luminaire and/or the exposed environment to which the product is subjected.
- Minimum flux values at elevated temperatures are provided for reference only and are not guaranteed by 100% production testing. Based on Bridgelux test setup, values may vary depending on the thermal design of the luminaire and/or the exposed environment to which the product is subjected.
- Nominal CCT is defined by the Lighting Research Center's Class A definition. The center of the Class A color bin is on the corresponding isothermal line.
- GAI value is 80. To help ensure optimal fixture level performance, GAI is measured at the fixture level, on axis, at a case temperature of 70°C . GAI may vary depending on fixture design and performance.

Product Selection Guide

Table 3: Selection Guide, Stabilized DC Performance ($T_c = 85^\circ\text{C}$) ^{4,5}

Part Number	Nominal CCT ¹ (K)	CRI ²	Nominal Drive Current ³ (mA)	Typical DC Flux ^{4,5} $T_c = 85^\circ\text{C}$ (lm)	Minimum DC Flux ⁶ $T_c = 85^\circ\text{C}$ (lm)	Typical V_f (V)	Typical Power (W)	Typical Efficacy (lm/W)
BXRC-57C1001-B-7x	5700	70	270	1468	1292	33.8	9.1	161
BXRC-57C1001-C-7x	5700	70	360	1958	1723	33.8	12.2	161
BXRC-57C1001-D-7x	5700	70	350	1422	1251	25.3	8.9	161
BXRC-57E1001-B-7x	5700	80	270	1394	1227	33.8	9.1	153
BXRC-57E1001-C-7x	5700	80	360	1859	1636	33.8	12.2	153
BXRC-57E1001-D-7x	5700	80	350	1351	1188	25.3	8.9	153
BXRC-65C1001-B-7x	6500	70	270	1468	1292	33.8	9.1	161
BXRC-65C1001-C-7x	6500	70	360	1958	1723	33.8	12.2	161
BXRC-65C1001-D-7x	6500	70	350	1422	1251	25.3	8.9	161
BXRC-65E1001-B-7x	6500	80	270	1411	1242	33.8	9.1	154
BXRC-65E1001-C-7x	6500	80	360	1881	1655	33.8	12.2	154
BXRC-65E1001-D-7x	6500	80	350	1366	1202	25.3	8.9	154

Notes for Table 3:

1. Nominal CCT as defined by ANSI C78.377-2011. Products with a CCT of 5000K-6500K are hot targeted to $T_c = 85^\circ\text{C}$.
2. All CRI values are measured at $T_c = 25^\circ\text{C}$. CRI values are typical for Decor Series Ultra, Decor Series Street and Landmark and Decor Series Class A products. CRI values are minimums for all other products. Minimum Rg value for 80 CRI products is 0, the minimum Rg value for 90 CRI products is 50, the minimum Rg value for 97 CRI products is 93. Bridgelux maintains a ± 3 tolerance on CRI and Rg values.
3. Drive current is referred to as nominal drive current.
4. Typical stabilized DC performance values are provided as reference only and are not a guarantee of performance.
5. Typical performance is estimated based on operation under DC (direct current) with LED array mounted onto a heat sink with thermal interface material and the case temperature maintained at 85°C . Based on Bridgelux test setup, values may vary depending on the thermal design of the luminaire and/or the exposed environment to which the product is subjected.
6. Minimum flux values at elevated temperatures are provided for reference only and are not guaranteed by 100% production testing. Based on Bridgelux test setup, values may vary depending on the thermal design of the luminaire and/or the exposed environment to which the product is subjected.
7. Nominal CCT is defined by the Lighting Research Center's Class A definition. The center of the Class A color bin is on the corresponding isothermal line.
8. GAI value is 80. To help ensure optimal fixture level performance, GAI is measured at the fixture level, on axis, at a case temperature of 70°C . GAI may vary depending on fixture design and performance.

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 Figures 1, 2 & 3 and the flux vs. current characteristics shown in Figures 4, 5 & 6. The performance at commonly used drive currents is summarized in Table 4.

Table 4: Product Performance at Commonly Used Drive Currents

Part Number	CRI	Drive Current ¹ (mA)	Typical V_f $T_c = 25^\circ\text{C}$ (V)	Typical Power $T_c = 25^\circ\text{C}$ (W)	Typical Flux ² $T_c = 25^\circ\text{C}$ (lm)	Typical DC Flux ³ $T_c = 85^\circ\text{C}$ (lm)	Typical Efficacy $T_c = 25^\circ\text{C}$ (lm/W)
BXRC-20B1001-B-73	65	135	33.2	4.5	749	679	167
		180	34.0	6.1	985	891	161
		270	34.8	9.4	1431	1288	152
		405	35.6	14.4	2065	1841	143
		540	36.1	19.5	2662	2347	136
BXRC-20B1001-D-73	65	175	24.9	4.4	731	663	168
		233	25.4	5.9	963	871	163
		350	26.0	9.1	1386	1247	152
		525	27.4	14.4	2043	1821	142
		700	28.4	19.9	2607	2299	131
BXRC-27E1000-B-7x	80	135	33.2	4.5	763	692	170
		180	34.0	6.1	1004	908	164
		270	34.8	9.4	1458	1312	155
		405	35.6	14.4	2104	1876	146
		540	36.1	19.5	2713	2392	139
BXRC-27E1000-C-7x	80	180	33.2	6.0	1018	923	170
		240	34.0	8.2	1339	1211	164
		360	34.8	12.5	1944	1750	155
		540	35.6	19.2	2803	2499	146
		720	36.1	26.0	3613	3186	139
BXRC-27E1000-D-7x	80	175	24.9	4.4	745	676	171
		233	25.4	5.9	981	888	166
		350	26.0	9.1	1412	1271	155
		525	27.4	14.4	2082	1856	145
		700	28.4	19.9	2657	2342	134
BXRC-27G10H0-B-7x	90	135	33.2	4.5	653	592	146
		180	34.0	6.1	860	778	140
		270	34.8	9.4	1249	1124	133
		405	35.6	14.4	1802	1606	125
		540	36.1	19.5	2323	2048	119
BXRC-27G10H0-C-7x	90	180	33.2	6.0	872	790	146
		240	34.0	8.2	1146	1037	140
		360	34.8	12.5	1665	1498	133
		540	35.6	19.2	2400	2140	125
		720	36.1	26.0	3094	2728	119
BXRC-27G10H0-D-7x	90	175	24.9	4.4	638	579	146
		233	25.4	5.9	840	760	142
		350	26.0	9.1	1209	1088	133
		525	27.4	14.4	1783	1589	124
		700	28.4	19.9	2275	2006	114

Notes for Table 4:

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

Performance at Commonly Used Drive Currents

Table 4: Product Performance at Commonly Used Drive Currents (Continued)

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-27G1000-B-7x	90	135	33.2	4.5	629	571	140
		180	34.0	6.1	828	749	135
		270	34.8	9.4	1203	1083	128
		405	35.6	14.4	1736	1548	120
		540	36.1	19.5	2238	1973	115
BXRC-27G1000-C-7x	90	180	33.2	6.0	840	762	141
		240	34.0	8.2	1104	999	135
		360	34.8	12.5	1604	1444	128
		540	35.6	19.2	2313	2062	120
		720	36.1	26.0	2981	2628	115
BXRC-27G1000-D-7x	90	175	24.9	4.4	615	558	141
		233	25.4	5.9	810	732	137
		350	26.0	9.1	1165	1049	128
		525	27.4	14.4	1717	1531	120
		700	28.4	19.9	2192	1933	110
BXRC-27H1000-B-7x	97	135	33.2	4.5	558	506	124
		180	34.0	6.1	734	664	120
		270	34.8	9.4	1066	960	113
		405	35.6	14.4	1539	1372	107
		540	36.1	19.5	1984	1749	102
BXRC-27H1000-C-7x	97	180	33.2	6.0	745	675	125
		240	34.0	8.2	979	885	120
		360	34.8	12.5	1422	1280	113
		540	35.6	19.2	2050	1827	107
		720	36.1	26.0	2642	2330	102
BXRC-27H1000-D-7x	97	175	24.9	4.4	545	494	125
		233	25.4	5.9	718	649	121
		350	26.0	9.1	1033	929	113
		525	27.4	14.4	1522	1357	106
		700	28.4	19.9	1943	1713	98
BXRC-30C1001-B-74	70	135	33.2	4.5	849	769	189
		180	34.0	6.1	1117	1010	182
		270	34.8	9.4	1622	1460	173
		405	35.6	14.4	2341	2087	162
		540	36.1	19.5	3018	2661	155
BXRC-30C1001-C-74	70	180	33.2	6.0	1133	1027	189
		240	34.0	8.2	1489	1347	182
		360	34.8	12.5	2163	1947	173
		540	35.6	19.2	3119	2780	162
		720	36.1	26.0	4020	3544	154
BXRC-30C1001-D-74	70	175	24.9	4.4	829	752	190
		233	25.4	5.9	1092	988	184
		350	26.0	9.1	1571	1414	173
		525	27.4	14.4	2316	2065	161
		700	28.4	19.9	2956	2606	149

Notes for Table 4:

1. Alternate drive currents 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.

Performance at Commonly Used Drive Currents

Table 4: Product Performance at Commonly Used Drive Currents (Continued)

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-30E1000-B-7x	80	135	33.2	4.5	811	735	181
		180	34.0	6.1	1067	965	174
		270	34.8	9.4	1549	1394	165
		405	35.6	14.4	2236	1993	155
		540	36.1	19.5	2883	2542	148
BXRC-30E1000-C-7x	80	180	33.2	6.0	1082	981	181
		240	34.0	8.2	1422	1287	174
		360	34.8	12.5	2066	1859	165
		540	35.6	19.2	2978	2655	155
		720	36.1	26.0	3839	3385	148
BXRC-30E1000-D-7x	80	175	24.9	4.4	792	718	182
		233	25.4	5.9	1043	943	176
		350	26.0	9.1	1501	1351	165
		525	27.4	14.4	2212	1972	154
		700	28.4	19.9	2823	2489	142
BXRC-30G10H0-B-7x	90	135	33.2	4.5	687	622	153
		180	34.0	6.1	904	817	148
		270	34.8	9.4	1312	1181	140
		405	35.6	14.4	1894	1688	131
		540	36.1	19.5	2442	2153	125
BXRC-30G10H0-C-7x	90	180	33.2	6.0	916	831	153
		240	34.0	8.2	1205	1090	148
		360	34.8	12.5	1750	1575	140
		540	35.6	19.2	2523	2249	131
		720	36.1	26.0	3252	2867	125
BXRC-30G10H0-D-7x	90	175	24.9	4.4	671	608	154
		233	25.4	5.9	883	799	149
		350	26.0	9.1	1271	1144	140
		525	27.4	14.4	1874	1670	130
		700	28.4	19.9	2391	2108	120
BXRC-30G1000-B-7x	90	135	33.2	4.5	658	597	147
		180	34.0	6.1	866	783	141
		270	34.8	9.4	1258	1132	134
		405	35.6	14.4	1815	1618	126
		540	36.1	19.5	2340	2063	120
BXRC-30G1000-C-7x	90	180	33.2	6.0	878	796	147
		240	34.0	8.2	1155	1044	141
		360	34.8	12.5	1677	1509	134
		540	35.6	19.2	2418	2155	126
		720	36.1	26.0	3116	2748	120
BXRC-30G1000-D-7x	90	175	24.9	4.4	643	583	147
		233	25.4	5.9	847	766	143
		350	26.0	9.1	1218	1096	134
		525	27.4	14.4	1796	1601	125
		700	28.4	19.9	2291	2020	115

Notes for Table 4:

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

Performance at Commonly Used Drive Currents

Table 4: Product Performance at Commonly Used Drive Currents (Continued)

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-30G100C-B-73	90	135	33.2	4.5	634	575	141
		180	34.0	6.1	835	755	136
		270	34.8	9.4	1212	1091	129
		405	35.6	14.4	1749	1559	121
		540	36.1	19.5	2255	1988	116
BXRC-30G100C-D-73	90	175	24.9	4.4	620	562	142
		233	25.4	5.9	816	738	138
		350	26.0	9.1	1174	1057	129
		525	27.4	14.4	1730	1543	120
		700	28.4	19.9	2208	1947	111
BXRC-30H1000-B-7x	97	135	33.2	4.5	596	540	133
		180	34.0	6.1	784	710	128
		270	34.8	9.4	1139	1025	121
		405	35.6	14.4	1644	1466	114
		540	36.1	19.5	2120	1869	109
BXRC-30H1000-C-7x	97	180	33.2	6.0	796	721	133
		240	34.0	8.2	1046	946	128
		360	34.8	12.5	1519	1367	121
		540	35.6	19.2	2190	1952	114
		720	36.1	26.0	2823	2489	108
BXRC-30H1000-D-7x	97	175	24.9	4.4	582	528	134
		233	25.4	5.9	767	694	130
		350	26.0	9.1	1103	993	121
		525	27.4	14.4	1626	1450	113
		700	28.4	19.9	2076	1830	104
BXRC-30A1001-B-73	93	135	33.2	4.5	591	536	132
		180	34.0	6.1	778	704	127
		270	34.8	9.4	1130	1017	120
		405	35.6	14.4	1631	1454	113
		540	36.1	19.5	2103	1854	108
BXRC-30A1001-C-73	93	180	33.2	6.0	789	715	132
		240	34.0	8.2	1037	938	127
		360	34.8	12.5	1507	1356	120
		540	35.6	19.2	2173	1937	113
		720	36.1	26.0	2800	2469	108
BXRC-30A1001-D-73	93	175	24.9	4.4	578	524	132
		233	25.4	5.9	761	688	129
		350	26.0	9.1	1095	985	120
		525	27.4	14.4	1613	1438	112
		700	28.4	19.9	2059	1815	104
BXRC-35E1000-B-7x	80	135	33.2	4.5	830	752	185
		180	34.0	6.1	1092	988	178
		270	34.8	9.4	1586	1427	169
		405	35.6	14.4	2288	2040	159
		540	36.1	19.5	2950	2601	151

Notes for Table 4:

1. Alternate drive currents 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.

Performance at Commonly Used Drive Currents

Table 4: Product Performance at Commonly Used Drive Currents (Continued)

Part Number	CRI	Drive Current ¹ (mA)	Typical V_f $T_c = 25^\circ\text{C}$ (V)	Typical Power $T_c = 25^\circ\text{C}$ (W)	Typical Flux ² $T_c = 25^\circ\text{C}$ (lm)	Typical DC Flux ³ $T_c = 85^\circ\text{C}$ (lm)	Typical Efficacy $T_c = 25^\circ\text{C}$ (lm/W)
BXRC-35E1000-C-7x	80	180	33.2	6.0	1107	1004	185
		240	34.0	8.2	1456	1317	178
		360	34.8	12.5	2114	1903	169
		540	35.6	19.2	3049	2718	158
		720	36.1	26.0	3929	3464	151
BXRC-35E1000-D-7x	80	175	24.9	4.4	811	735	186
		233	25.4	5.9	1067	965	180
		350	26.0	9.1	1536	1382	169
		525	27.4	14.4	2264	2018	158
		700	28.4	19.9	2889	2547	145
BXRC-35G1000-B-7x	90	135	33.2	4.5	682	618	152
		180	34.0	6.1	897	812	147
		270	34.8	9.4	1303	1173	139
		405	35.6	14.4	1881	1677	130
		540	36.1	19.5	2425	2138	124
BXRC-35G1000-C-7x	90	180	33.2	6.0	910	825	152
		240	34.0	8.2	1196	1082	147
		360	34.8	12.5	1738	1564	139
		540	35.6	19.2	2505	2233	130
		720	36.1	26.0	3229	2847	124
BXRC-35G1000-D-7x	90	175	24.9	4.4	666	604	153
		233	25.4	5.9	877	793	148
		350	26.0	9.1	1262	1136	139
		525	27.4	14.4	1861	1659	129
		700	28.4	19.9	2375	2094	119
BXRC-35A1001-B-73	93	135	33.2	4.5	629	571	140
		180	34.0	6.1	828	749	135
		270	34.8	9.4	1203	1083	128
		405	35.6	14.4	1736	1548	120
		540	36.1	19.5	2238	1973	115
BXRC-35A1001-C-73	93	180	33.2	6.0	840	762	141
		240	34.0	8.2	1104	999	135
		360	34.8	12.5	1604	1444	128
		540	35.6	19.2	2313	2062	120
		720	36.1	26.0	2981	2628	115
BXRC-35A1001-D-73	93	175	24.9	4.4	615	558	141
		233	25.4	5.9	810	732	137
		350	26.0	9.1	1165	1049	128
		525	27.4	14.4	1717	1531	120
		700	28.4	19.9	2192	1933	110
BXRC-40C1001-B-74	70	135	33.2	4.5	873	791	195
		180	34.0	6.1	1149	1039	188
		270	34.8	9.4	1668	1501	178
		405	35.6	14.4	2407	2146	167
		540	36.1	19.5	3103	2736	159

Notes for Table 4:

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

Performance at Commonly Used Drive Currents

Table 4: Product Performance at Commonly Used Drive Currents (Continued)

Part Number	CRI	Drive Current ¹ (mA)	Typical V_f $T_c = 25^\circ\text{C}$ (V)	Typical Power $T_c = 25^\circ\text{C}$ (W)	Typical Flux ² $T_c = 25^\circ\text{C}$ (lm)	Typical DC Flux ³ $T_c = 85^\circ\text{C}$ (lm)	Typical Efficacy $T_c = 25^\circ\text{C}$ (lm/W)
BXRC-40C1001-C-74	70	180	33.2	6.0	1165	1056	195
		240	34.0	8.2	1531	1385	188
		360	34.8	12.5	2224	2001	178
		540	35.6	19.2	3206	2858	167
		720	36.1	26.0	4133	3644	159
BXRC-40C1001-D-74	70	175	24.9	4.4	853	773	195
		233	25.4	5.9	1123	1015	190
		350	26.0	9.1	1615	1454	178
		525	27.4	14.4	2381	2123	166
		700	28.4	19.9	3039	2679	153
BXRC-40E1000-B-7x	80	135	33.2	4.5	834	756	186
		180	34.0	6.1	1098	993	179
		270	34.8	9.4	1595	1435	170
		405	35.6	14.4	2302	2052	159
		540	36.1	19.5	2967	2616	152
BXRC-40E1000-C-7x	80	180	33.2	6.0	1114	1010	186
		240	34.0	8.2	1464	1324	179
		360	34.8	12.5	2127	1914	170
		540	35.6	19.2	3066	2733	159
		720	36.1	26.0	3952	3484	152
BXRC-40E1000-D-7x	80	175	24.9	4.4	815	739	187
		233	25.4	5.9	1074	971	181
		350	26.0	9.1	1545	1390	170
		525	27.4	14.4	2277	2030	158
		700	28.4	19.9	2906	2562	146
BXRC-40G1000-B-7x	90	135	33.2	4.5	696	631	155
		180	34.0	6.1	916	829	150
		270	34.8	9.4	1331	1198	142
		405	35.6	14.4	1920	1712	133
		540	36.1	19.5	2476	2183	127
BXRC-40G1000-C-7x	90	180	33.2	6.0	929	842	155
		240	34.0	8.2	1222	1105	150
		360	34.8	12.5	1774	1597	142
		540	35.6	19.2	2558	2280	133
		720	36.1	26.0	3297	2907	127
BXRC-40G1000-D-7x	90	175	24.9	4.4	680	617	156
		233	25.4	5.9	896	810	151
		350	26.0	9.1	1289	1160	142
		525	27.4	14.4	1900	1693	132
		700	28.4	19.9	2424	2137	122
BXRC-40H1000-B-7x	97	135	33.2	4.5	629	571	140
		180	34.0	6.1	828	749	135
		270	34.8	9.4	1203	1083	128
		405	35.6	14.4	1736	1548	120
		540	36.1	19.5	2238	1973	115

Notes for Table 4:

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

Performance at Commonly Used Drive Currents

Table 4: Product Performance at Commonly Used Drive Currents (Continued)

Part Number	CRI	Drive Current ¹ (mA)	Typical V_f $T_c = 25^\circ\text{C}$ (V)	Typical Power $T_c = 25^\circ\text{C}$ (W)	Typical Flux ² $T_c = 25^\circ\text{C}$ (lm)	Typical DC Flux ³ $T_c = 85^\circ\text{C}$ (lm)	Typical Efficacy $T_c = 25^\circ\text{C}$ (lm/W)
BXRC-40H1000-C-7x	97	180	33.2	6.0	840	762	141
		240	34.0	8.2	1104	999	135
		360	34.8	12.5	1604	1444	128
		540	35.6	19.2	2313	2062	120
		720	36.1	26.0	2981	2628	115
BXRC-40H1000-D-7x	97	175	24.9	4.4	615	558	141
		233	25.4	5.9	810	732	137
		350	26.0	9.1	1165	1049	128
		525	27.4	14.4	1717	1531	120
		700	28.4	19.9	2192	1933	110
BXRC-40A1001-B-73	93	135	33.2	4.5	682	618	152
		180	34.0	6.1	897	812	147
		270	34.8	9.4	1303	1173	139
		405	35.6	14.4	1881	1677	130
		540	36.1	19.5	2425	2138	124
BXRC-40A1001-C-73	93	180	33.2	6.0	910	825	152
		240	34.0	8.2	1196	1082	147
		360	34.8	12.5	1738	1564	139
		540	35.6	19.2	2505	2233	130
		720	36.1	26.0	3229	2847	124
BXRC-40A1001-D-73	93	175	24.9	4.4	666	604	153
		233	25.4	5.9	877	793	148
		350	26.0	9.1	1262	1136	139
		525	27.4	14.4	1861	1659	129
		700	28.4	19.9	2375	2094	119
BXRC-50C1001-B-7x	70	135	33.2	4.5	877	795	196
		180	34.0	6.1	1155	1045	189
		270	34.8	9.4	1677	1509	178
		405	35.6	14.4	2420	2157	168
		540	36.1	19.5	3120	2751	160
BXRC-50C1001-C-7x	70	180	33.2	6.0	1171	1062	196
		240	34.0	8.2	1539	1392	189
		360	34.8	12.5	2236	2012	178
		540	35.6	19.2	3224	2874	168
		720	36.1	26.0	4155	3664	160
BXRC-50C1001-D-7x	70	175	24.9	4.4	857	777	197
		233	25.4	5.9	1129	1021	191
		350	26.0	9.1	1624	1462	178
		525	27.4	14.4	2394	2134	167
		700	28.4	19.9	3055	2694	154
BXRC-50E1001-B-7x	80	135	33.2	4.5	844	765	188
		180	34.0	6.1	1111	1005	181
		270	34.8	9.4	1613	1452	172
		405	35.6	14.4	2328	2075	161
		540	36.1	19.5	3001	2646	154

Notes for Table 4:

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

Performance at Commonly Used Drive Currents

Table 4: Product Performance at Commonly Used Drive Currents (Continued)

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-50E1001-C-7x	80	180	33.2	6.0	1126	1021	188
		240	34.0	8.2	1481	1339	181
		360	34.8	12.5	2151	1936	172
		540	35.6	19.2	3101	2764	161
		720	36.1	26.0	3997	3524	154
BXRC-50E1001-D-7x	80	175	24.9	4.4	825	748	189
		233	25.4	5.9	1086	982	183
		350	26.0	9.1	1562	1406	172
		525	27.4	14.4	2303	2053	160
		700	28.4	19.9	2939	2591	148
BXRC-50G1001-B-7x	90	135	33.2	4.5	729	661	163
		180	34.0	6.1	960	869	157
		270	34.8	9.4	1394	1255	148
		405	35.6	14.4	2012	1794	139
		540	36.1	19.5	2594	2287	133
BXRC-50G1001-C-7x	90	180	33.2	6.0	974	883	163
		240	34.0	8.2	1280	1158	157
		360	34.8	12.5	1859	1673	148
		540	35.6	19.2	2681	2390	139
		720	36.1	26.0	3455	3046	133
BXRC-50G1001-D-7x	90	175	24.9	4.4	713	646	163
		233	25.4	5.9	939	849	159
		350	26.0	9.1	1351	1215	148
		525	27.4	14.4	1991	1775	139
		700	28.4	19.9	2541	2240	128
BXRC-57C1001-B-7x	70	135	33.2	4.5	853	774	190
		180	34.0	6.1	1123	1016	184
		270	34.8	9.4	1631	1468	174
		405	35.6	14.4	2354	2099	163
		540	36.1	19.5	3035	2676	156
BXRC-57C1001-C-7x	70	180	33.2	6.0	1139	1033	191
		240	34.0	8.2	1498	1355	183
		360	34.8	12.5	2175	1958	174
		540	35.6	19.2	3136	2796	163
		720	36.1	26.0	4042	3564	155
BXRC-57C1001-D-7x	70	175	24.9	4.4	834	756	191
		233	25.4	5.9	1098	993	186
		350	26.0	9.1	1580	1422	174
		525	27.4	14.4	2329	2076	162
		700	28.4	19.9	2972	2621	149
BXRC-57E1001-B-7x	80	135	33.2	4.5	811	735	181
		180	34.0	6.1	1067	965	174
		270	34.8	9.4	1549	1394	165
		405	35.6	14.4	2236	1993	155
		540	36.1	19.5	2883	2542	148

Notes for Table 4:

1. Alternate drive currents 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.

Performance at Commonly Used Drive Currents

Table 4: Product Performance at Commonly Used Drive Currents (Continued)

Part Number	CRI	Drive Current ¹ (mA)	Typical V_f $T_c = 25^\circ\text{C}$ (V)	Typical Power $T_c = 25^\circ\text{C}$ (W)	Typical Flux ² $T_c = 25^\circ\text{C}$ (lm)	Typical DC Flux ³ $T_c = 85^\circ\text{C}$ (lm)	Typical Efficacy $T_c = 25^\circ\text{C}$ (lm/W)
BXRC-57E1001-C-7x	80	180	33.2	6.0	1082	981	181
		240	34.0	8.2	1422	1287	174
		360	34.8	12.5	2066	1859	165
		540	35.6	19.2	2978	2655	155
		720	36.1	26.0	3839	3385	148
BXRC-57E1001-D-7x	80	175	24.9	4.4	792	718	182
		233	25.4	5.9	1043	943	176
		350	26.0	9.1	1501	1351	165
		525	27.4	14.4	2212	1972	154
		700	28.4	19.9	2823	2489	142
BXRC-65C1001-B-7x	70	135	33.2	4.5	853	774	190
		180	34.0	6.1	1123	1016	184
		270	34.8	9.4	1631	1468	174
		405	35.6	14.4	2354	2099	163
		540	36.1	19.5	3035	2676	156
BXRC-65C1001-C-7x	70	180	33.2	6.0	1139	1033	191
		240	34.0	8.2	1498	1355	183
		360	34.8	12.5	2175	1958	174
		540	35.6	19.2	3136	2796	163
		720	36.1	26.0	4042	3564	155
BXRC-65C1001-D-7x	70	175	24.9	4.4	834	756	191
		233	25.4	5.9	1098	993	186
		350	26.0	9.1	1580	1422	174
		525	27.4	14.4	2329	2076	162
		700	28.4	19.9	2972	2621	149
BXRC-65E1001-B-7x	80	135	33.2	4.5	820	744	183
		180	34.0	6.1	1079	976	176
		270	34.8	9.4	1568	1411	167
		405	35.6	14.4	2262	2017	157
		540	36.1	19.5	2917	2572	149
BXRC-65E1001-C-7x	80	180	33.2	6.0	1095	992	183
		240	34.0	8.2	1439	1302	176
		360	34.8	12.5	2090	1881	167
		540	35.6	19.2	3013	2686	157
		720	36.1	26.0	3884	3425	149
BXRC-65E1001-D-7x	80	175	24.9	4.4	801	727	184
		233	25.4	5.9	1055	954	178
		350	26.0	9.1	1518	1366	167
		525	27.4	14.4	2238	1995	156
		700	28.4	19.9	2856	2518	144

Notes for Table 4:

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

Electrical Characteristics

Table 5: Electrical Characteristics

Part Number	Drive Current (mA)	Forward Voltage Pulsed, $T_c = 25^{\circ}\text{C}$ (V) ^{1, 2, 3, 8}			Typical Coefficient of Forward Voltage ⁴ $\Delta V_f / \Delta T_c$ (mV/ $^{\circ}\text{C}$)	Typical Thermal Resistance Junction to Case ^{5,6} R_{j-c} ($^{\circ}\text{C}/\text{W}$)	Driver Selection Voltages ⁷ (V)	
		Minimum	Typical	Maximum			V_f Min. Hot $T_c = 105^{\circ}\text{C}$ (V)	V_f Max. Cold $T_c = -40^{\circ}\text{C}$ (V)
BXRC-xxx100x-B-7x	270	32.2	34.8	37.4	-16.1	0.49	30.9	38.5
	540	33.4	36.1	38.8	-16.1	0.56	32.1	39.9
BXRC-xxx100x-C-7x	360	32.2	34.8	37.4	-16.1	0.37	30.9	38.5
	720	33.4	36.1	38.8	-16.1	0.45	32.1	39.9
BXRC-xxx100x-D-7x	350	24.1	26.0	28.0	-11.8	0.49	23.1	28.7
	700	26.3	28.4	30.5	-11.8	0.57	25.3	31.3

Notes for Table 5:

- Parts are tested in pulsed conditions, $T_c = 25^{\circ}\text{C}$. Pulse width is 10ms.
- Voltage minimum and maximum are provided for reference only and are not a guarantee of performance.
- Bridgelux maintains a tester tolerance of $\pm 0.10\text{V}$ on forward voltage measurements.
- Typical coefficient of forward voltage tolerance is $\pm 0.1\text{mV}$ for nominal current.
- Thermal resistance values are based from test data of a 3000K 80 CRI product.
- Thermal resistance value was calculated using total electrical input power; optical power was not subtracted from input power. The thermal interface material used during testing is not included in the thermal resistance value.
- V_f min hot and max cold values are provided as reference only and are not guaranteed by test. These values are provided to aid in driver design and selection over the operating range of the product.
- This product has been designed and manufactured per IEC 62031:2014. This product has passed dielectric withstand voltage testing at 1160 V. The working voltage designated for the insulation is 80V d.c. The maximum allowable voltage across the array must be determined in the end product application.

Eye Safety

Table 6: Eye Safety Risk Group (RG) Classifications

Part Number	Drive Current ⁵ (mA)	CCT ^{1,5}			
		2700K/3000K	4000K ²	5000K ³	6500K ⁴
BXRC-xxx100x-B-7x	270	RG1	RG1	RG1	RG1
	405	RG1	RG1	RG1	RG2
	540	RG1	RG1	RG2	RG2
BXRC-xxx100x-C-7x	360	RG1	RG1	RG1	RG2
	540	RG1	RG1	RG2	RG2
	720	RG1	RG2	RG2	RG2
BXRC-xxx100x-D-7x	350	RG1	RG1	RG1	RG1
	525	RG1	RG1	RG1	RG2
	700	RG1	RG1	RG2	RG2

Notes for Table 6:

1. Eye safety classification for the use of Bridgelux Vero Series LED arrays is in accordance with specification IEC/TR 62778: Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires.
2. For products classified as RG2 at 4000K, $E_{thr} = 1847.5$ lx.
3. For products classified as RG2 at 5000K $E_{thr} = 1315.8$ lx.
4. For products classified as RG2 at 6500K, $E_{thr} = 1124.5$ lx.
5. Please contact your Bridgelux sales representative for E_{thr} values at specific drive currents and CCTs not listed.

Absolute Maximum Ratings

Table 7: Maximum Ratings

Parameter	Maximum Rating		
LED Junction Temperature (T_j)	150°C		
Storage Temperature	-40°C to +105°C		
Operating Case Temperature ¹ (T_c)	105°C		
Soldering Temperature ²	300°C or lower for a maximum of 6 seconds		
	BXRC-xxx100x-B-7x	BXRC-xxx100x-C-7x	BXRC-xxx100x-D-7x
Maximum Drive Current ³	540mA	720mA	700mA
Maximum Peak Pulsed Drive Current ⁴	770mA	1030mA	1000mA
Maximum Reverse Voltage ⁵	-60V	-60V	-45V

Notes for Table 7:

1. For IEC 62717 requirement, please consult your Bridgelux sales representative.
2. Refer to Bridgelux Application Note AN31: Assembly Considerations for Bridgelux Vero LED Arrays.
3. Arrays may be driven at higher currents however lumen maintenance may be reduced.
4. Bridgelux recommends a maximum duty cycle of 10% and pulse width of 20 ms when operating LED Arrays at maximum peak pulsed current specified. Maximum peak pulsed currents indicate values where LED Arrays can be driven without catastrophic failures.
5. Light emitting diodes are not designed to be driven in reverse voltage and will not produce light under this condition. Maximum rating provided for reference only.

Performance Curves

Figure 1: Vero 10B Drive Current vs. Voltage

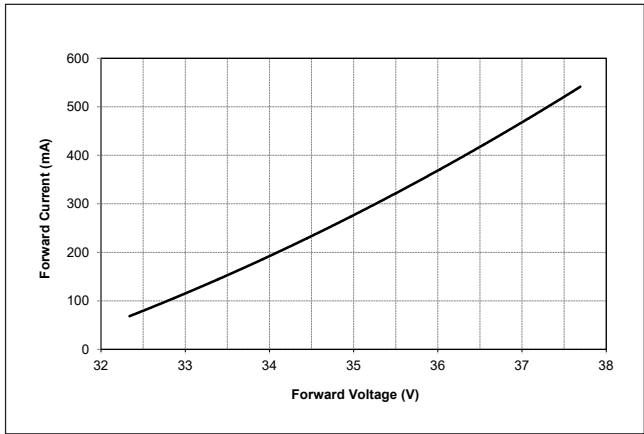


Figure 2: Vero 10C Drive Current vs. Voltage

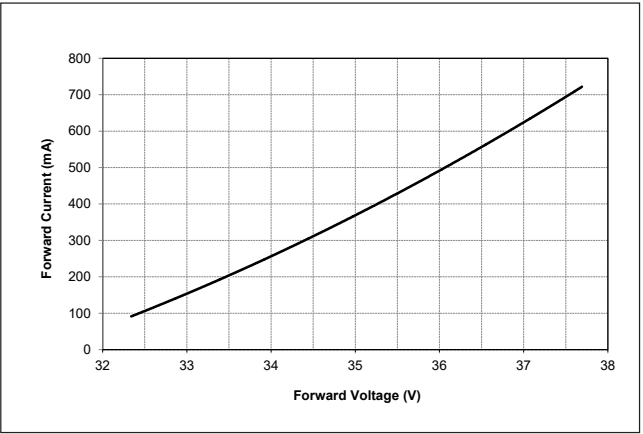


Figure 3: Vero 10D Drive Current vs. Voltage

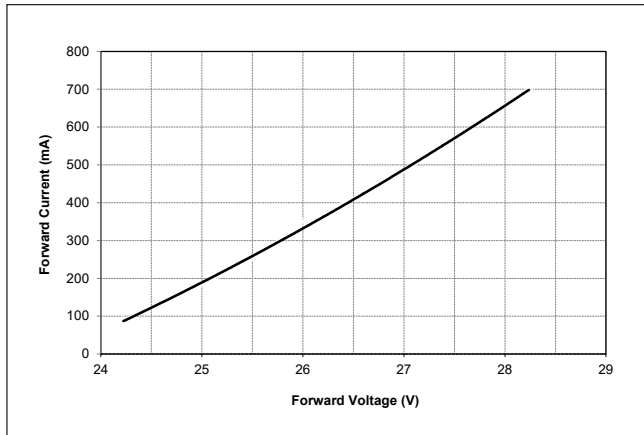


Figure 4: Vero 10B Typical Relative Flux vs. Current

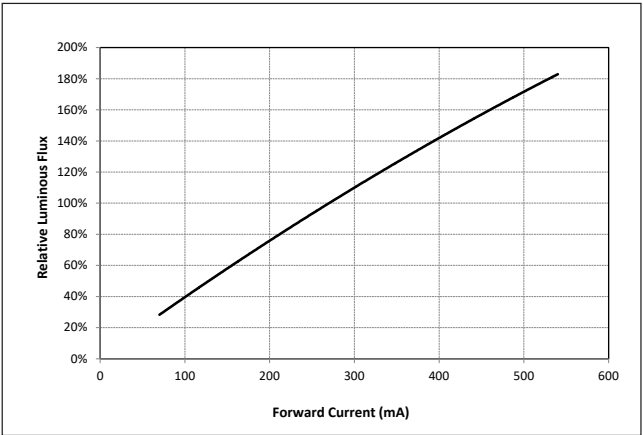


Figure 5: Vero 10C Typical Relative Flux vs. Current

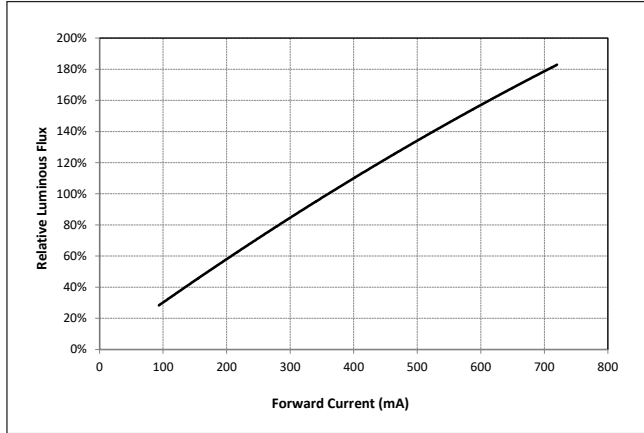
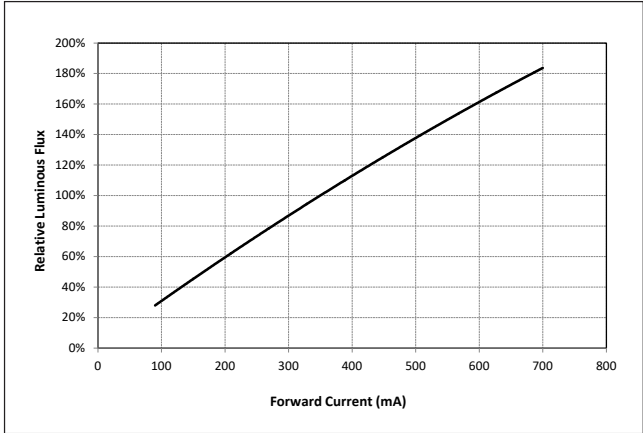


Figure 6 Vero 10D Typical Relative Flux vs. Current



- Notes for Figure 1-6:
1. Bridgelux does not recommend driving high power LEDs at low currents. Doing so may produce unpredictable results. Pulse width modulation (PWM) is recommended for dimming effects.
 2. Products tested under pulsed condition (10ms pulse width) at nominal test current where T_j (junction temperature) = T_c (case temperature) = 25°C.

Performance Curves

Figure 7: Typical DC Flux vs. Case Temperature

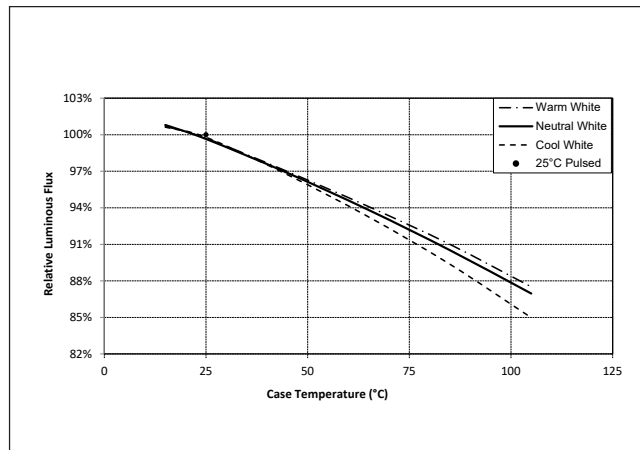


Figure 8: Typical DC ccy Shift vs. Case Temperature

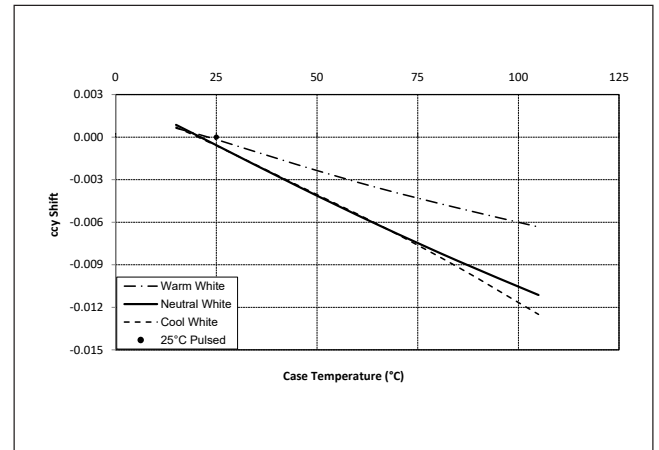


Figure 9: Typical DC ccx Shift vs. Case Temperature

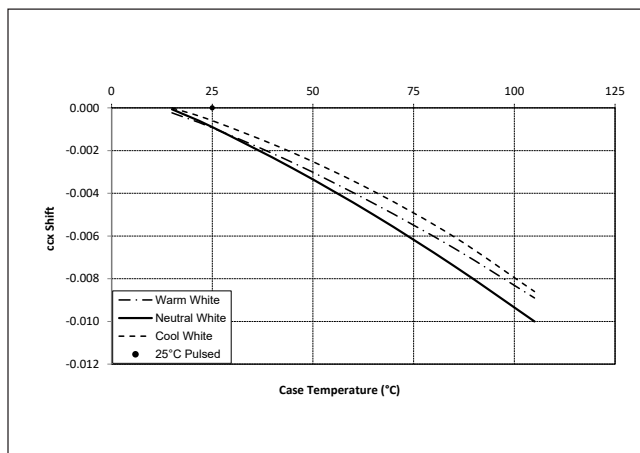
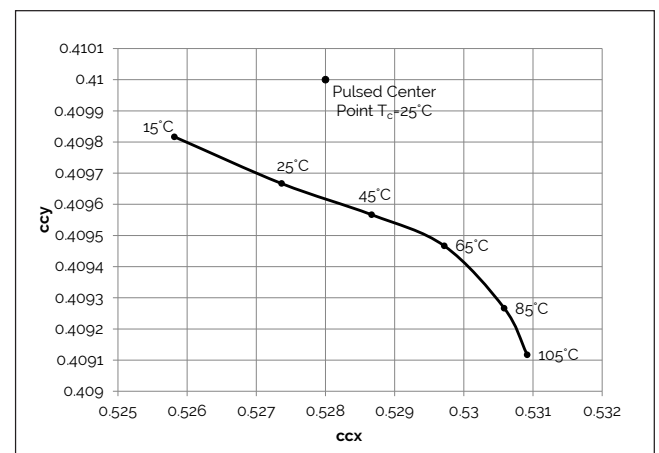


Figure 10: 2000K, 65 CRI Color Shift vs. Case Temperature



Notes for Figures 7 - 9:

1. Characteristics shown for warm white based on 3000K and 80 CRI.
2. Characteristics shown for neutral white based on 4000K and 80 CRI.
3. Characteristics shown for cool white based on 5000K and 70 CRI.
4. For other color SKUs, the shift in color will vary. Please contact your Bridgelux Sales Representative for more information.

Performance Curves

Figure 11: 2700K, 97 CRI Color Shift vs. Case Temperature¹

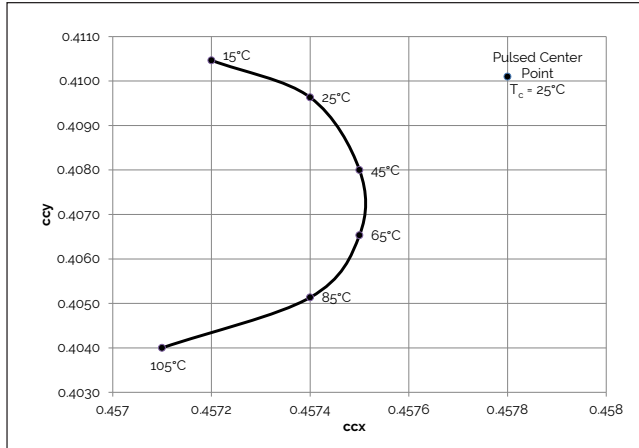


Figure 12: 3000K, 97 CRI Color Shift vs. Case Temperature¹

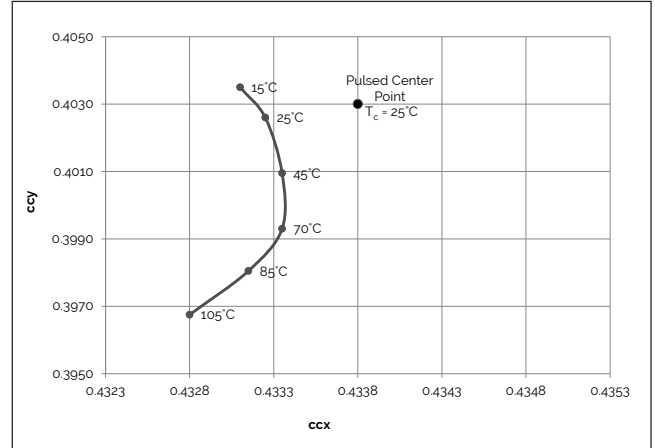


Figure 13: 3000K, 90 CRI Color Shift vs. Case Temperature³

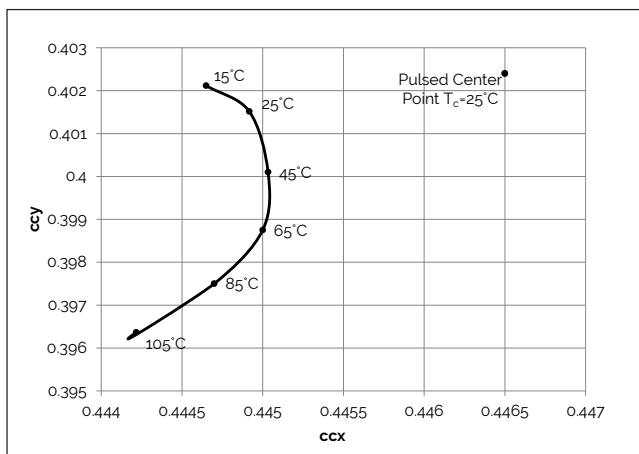


Figure 14: 3000K Class A Color Shift vs. Case Temperature¹

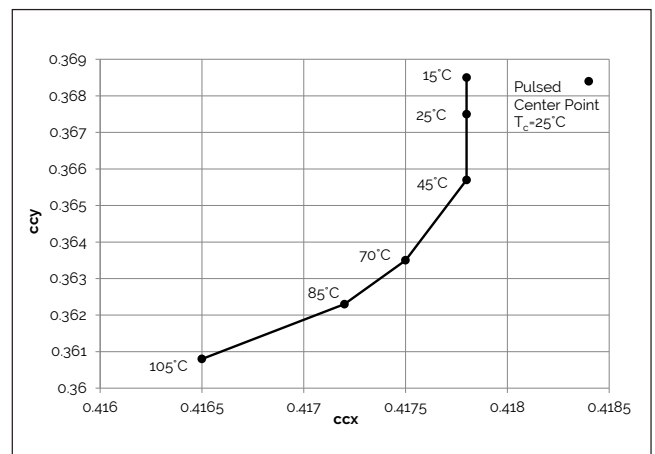


Figure 15: 3500K Class A Color Shift vs. Case Temperature¹

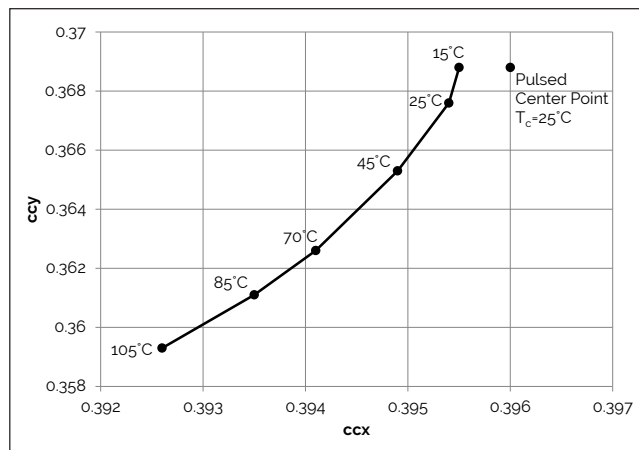
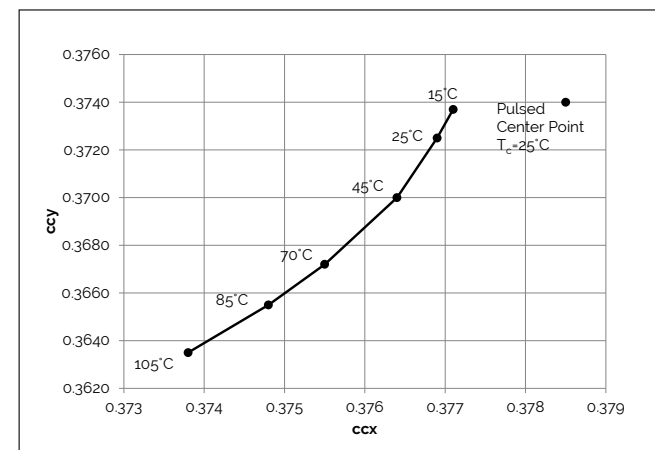


Figure 16: 4000K Class A Color Shift vs. Case Temperature¹

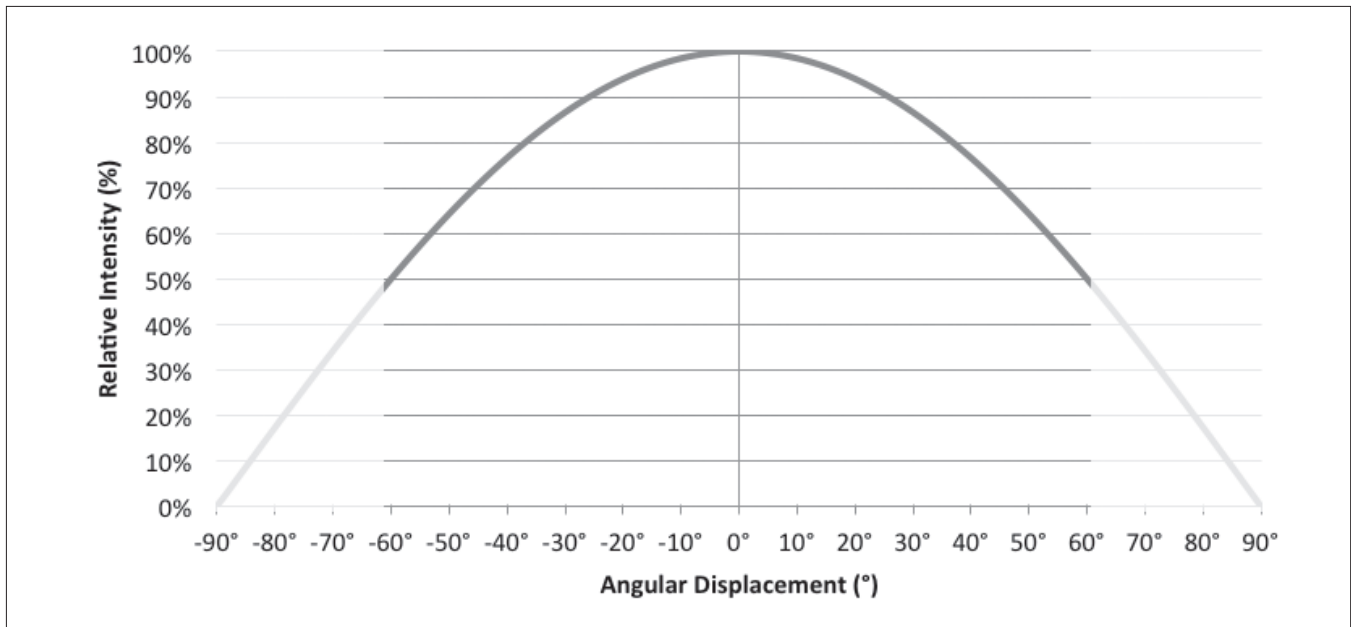


Note for Figures 10-16:

1. Measurements made under DC test conditions at the nominal drive current.
2. Typical color shift is shown with a tolerance of ± 0.002 .
3. Characteristics shown for Decor Series Showcase products, BXRC-30G100C-x-73

Typical Radiation Pattern

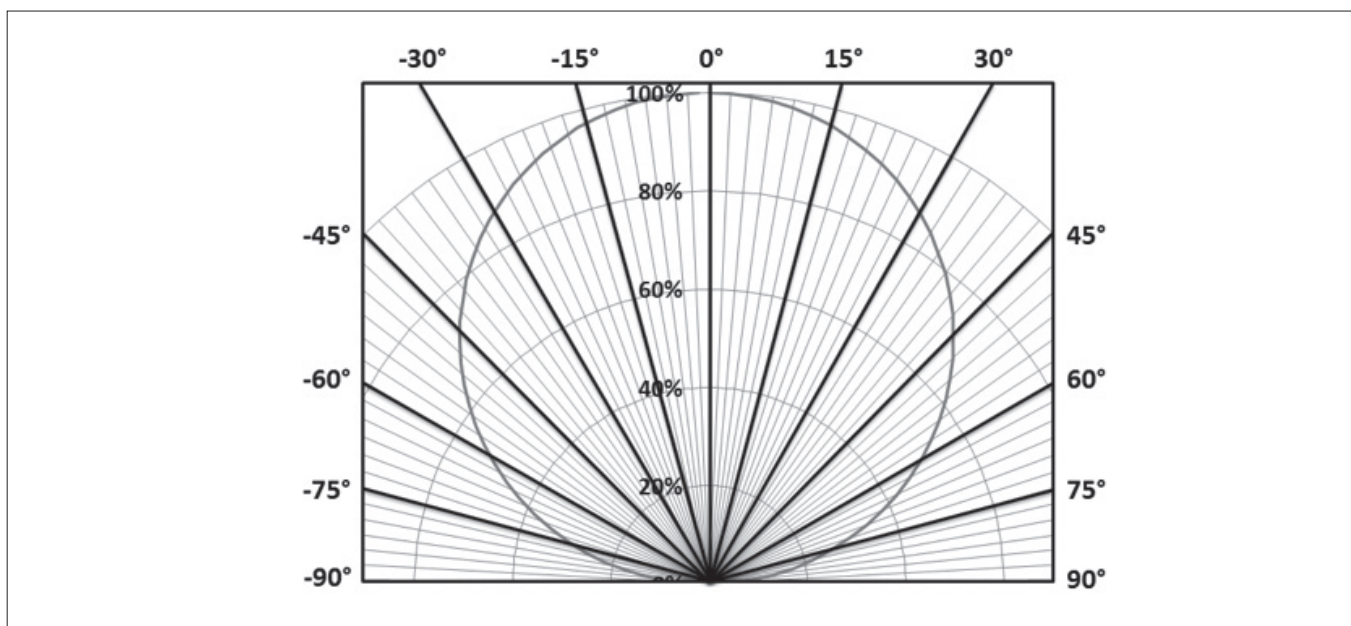
Figure 17: Typical Spatial Radiation Pattern



Note for Figure 17:

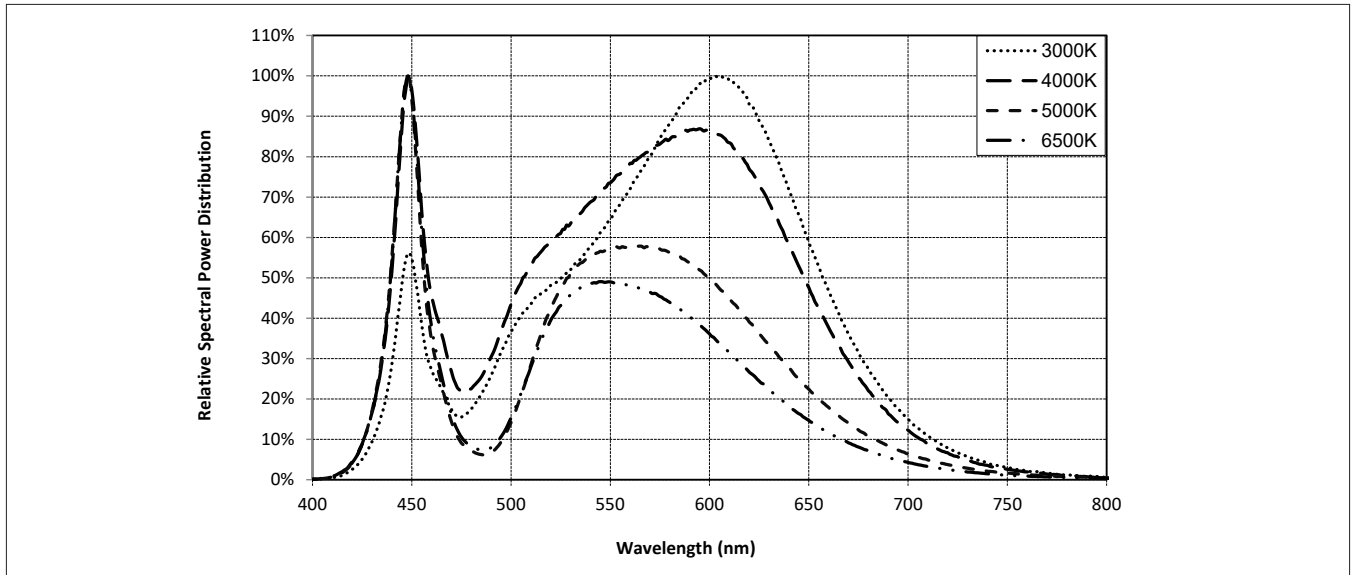
1. Typical viewing angle is 120°.
2. The viewing angle is defined as the off axis angle from the centerline where intensity is ½ of the peak value.

Figure 18: Typical Polar Radiation Pattern



Typical Color Spectrum

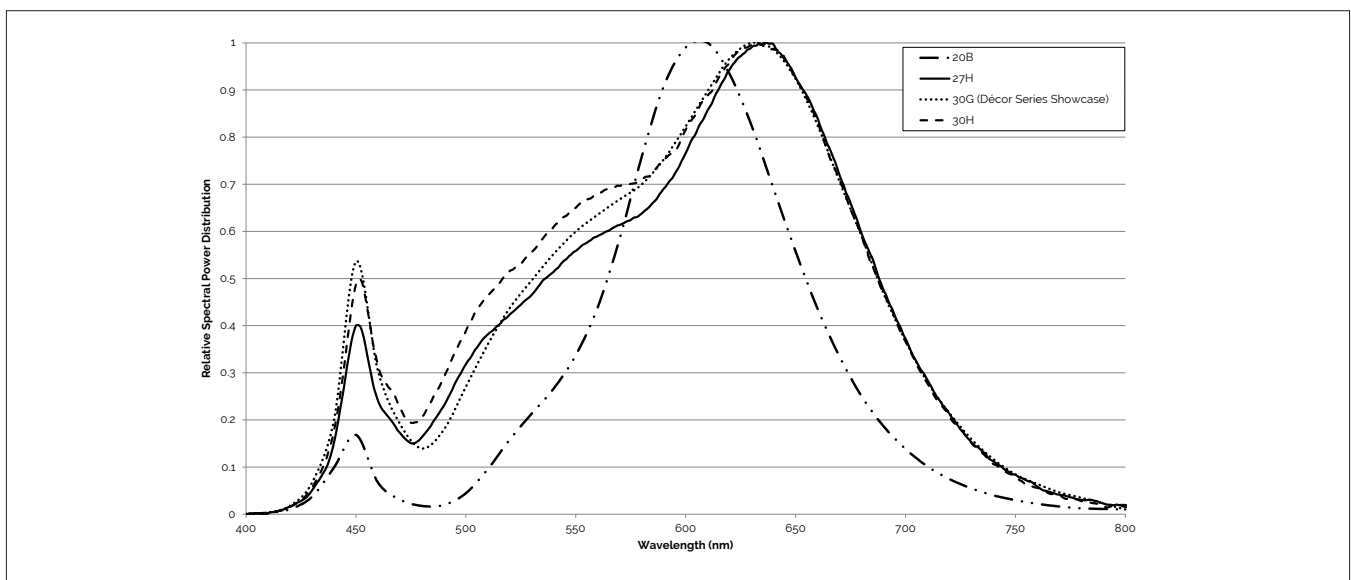
Figure 19: Typical Color Spectrum



Note for Figure 19:

1. Color spectra measured at nominal current for $T_j = T_c = 25^\circ\text{C}$.
2. Color spectra shown is 3000K and 80 CRI.
3. Color spectra shown is 4000K and 80 CRI.
4. Color spectra shown is 5000K and 70 CRI.
4. Color spectra shown is 6500K and 70 CRI.

Figure 20: Typical Color Spectrum for Vero 10 with Décor Series

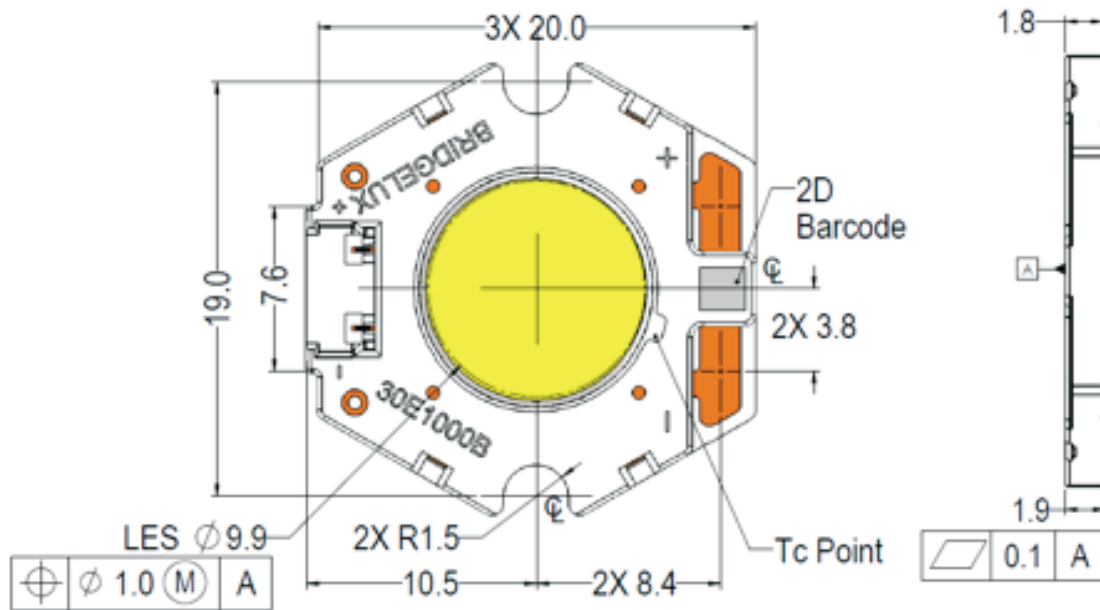


Note for Figure 20:

1. Color spectra measured at nominal current for $T_j = T_c = 25^\circ\text{C}$.

Mechanical Dimensions

Figure 21: Drawing for Vero 10 LED Array

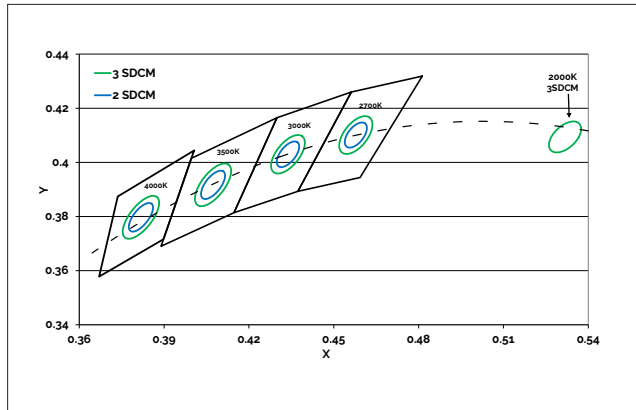


Notes for Figure 21:

1. Drawings are not to scale.
2. Dimensions are in mm.
3. Unless otherwise specified, tolerances are ± 0.10 mm.
4. Mounting slots (2X) are for M2.5 screws.
5. Bridgelux recommends two tapped holes for mounting screws with 19.0 ± 0.10 mm center-to-center spacing.
6. Screws with flat shoulders (pan, dome, button, round, truss, mushroom) provide optimal torque control. Do NOT use flat, countersink, or raised head screws.
7. Solder pads and connector port are labeled "+" and "-" to denote positive and negative, respectively.
8. It is not necessary to provide electrical connections to both the solder pads and the connector port. Either set may be used depending on application specific design requirements.
9. Refer to Application Notes AN30 and AN31 for product handling, mounting and heat sink recommendations.
10. The optical center of the LED Array is nominally defined by the mechanical center of the array to a tolerance of ± 0.2 mm.
11. Bridgelux maintains a flatness of 0.10mm across the mounting surface of the array.

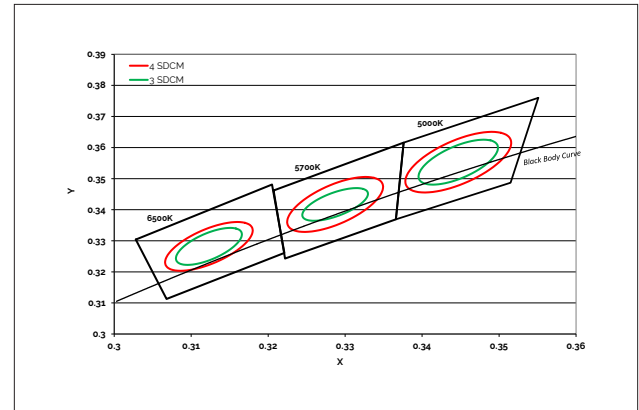
Color Binning Information

Figure 22: Warm and Neutral White Test Bins in xy Color Space



Note: Pulsed Test Conditions, $T_c = 25^\circ\text{C}$

Figure 23: Graph of Cool White Test Bins in xy Color Space



Note: Pulsed Test Conditions, $T_c = 25^\circ\text{C}$

Table 8: Warm and Neutral White xy Bin Coordinates and Associated Typical CCT

Bin Code	2000K	2700K	3000K ¹	3500K ¹	4000K ¹
ANSI Bin (for reference only)	–	(2580K - 2870K)	(2870K - 3220K)	(3220K - 3710K)	(3710K - 4260K)
73 (3 SDCM)	–	(2651K - 2794K)	(2968K - 3136K)	(3369K - 3586K)	(3851K - 4130K)
72 (2 SDCM)	–	(2674K - 2769K)	(2995K - 3107K)	(3404K - 3548K)	(3895K - 4081K)
Center Point (x,y)	(0.5280, 0.4100)	(0.4578, 0.4101)	(0.4338, 0.403) (0.4465, 0.4024) ²	(0.4073, 0.3917)	(0.3818, 0.3797)

Note for Table 8:

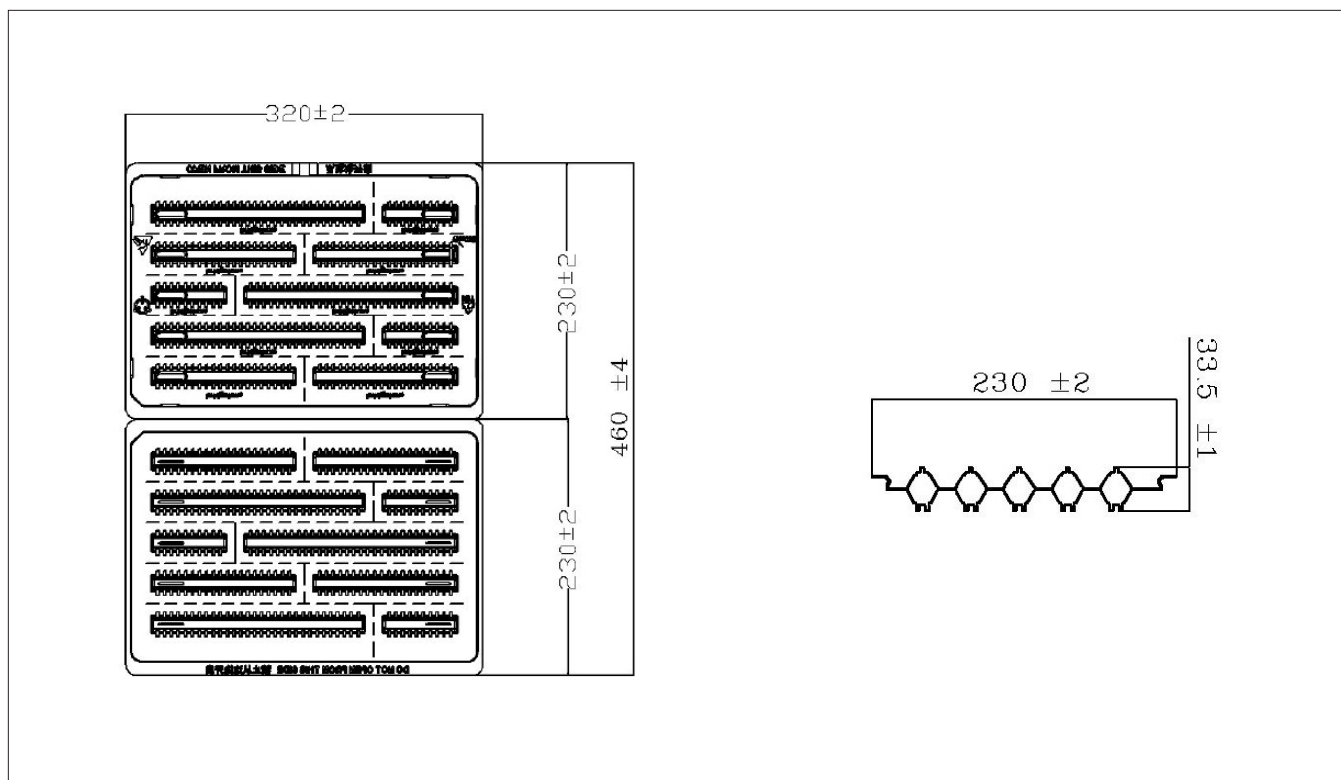
1. Color Binning information excludes Decor Series Class A products. Please contact your Bridgelux Sales Representative for more information.
2. Center Point for Decor Series Showcase.

Table 9: Cool White xy Bin Coordinates and Associated Typical CCT (product is hot targeted to $T_c = 85^\circ\text{C}$)

Bin Code	5000K	5700K	6500K
ANSI Bin (for reference only)	(4745K - 5311K)	(5312K - 6022K)	(6022K - 7042K)
74 (4 SDCM)	(4801K - 5282K)	(5481K - 5829K)	(6270K - 6765K)
73 (3 SDCM)	(4835K - 5215K)	(5490K - 5820K)	(6250K - 6745K)
Center Point (x,y)	(0.3447, 0.3553)	(0.3287, 0.3417)	(0.3123, 0.3282)

Packaging and Labeling

Figure 24: Drawing for Vero 10 Packaging Tray

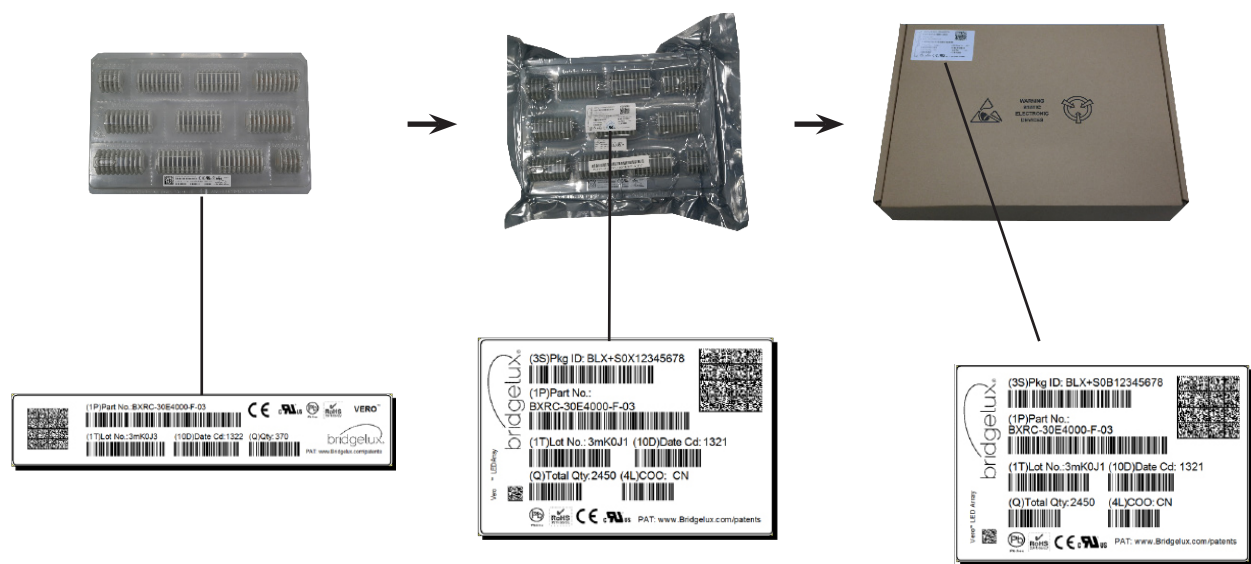


Notes for Figure 24:

1. Dimensions are in millimeters.
2. Drawings are not to scale.

Packaging and Labeling

Figure 25: Vero Series Packaging and Labeling



- Notes for Figure 25:
1. Each tray holds 200 COBs.
 2. Each tray is vacuum sealed in an anti-static bag and placed in its own box.
 3. Each tray, bag and box is to be labeled as shown above.

Figure 26: Gen. 7 Product Labeling

Bridgelux COB arrays have laser markings on the back side of the substrate to help with product identification. In addition to the product identification markings, Bridgelux COB arrays also contain markings for internal Bridgelux manufacturing use only. The image below shows which markings are for customer use and which ones are for Bridgelux internal use only. The Bridgelux internal manufacturing markings are subject to change without notice, however these will not impact the form, function or performance of the COB array.



Design Resources

Application Notes

Bridgelux has developed a comprehensive set of application notes and design resources to assist customers in successfully designing with the Vero product family of LED array products. For all available application notes visit www.bridgelux.com.

Optical Source Models

Optical source models and ray set files are available for all Bridgelux products. For a list of available formats, visit www.bridgelux.com.

3D CAD Models

Three dimensional CAD models depicting the product outline of all Bridgelux Vero LED arrays are available in both IGS and STEP formats. Please contact your Bridgelux sales representative for assistance.

LM80

LM80 testing has been completed and the LM80 report is now available. Please contact your Bridgelux sales representative for LM-80 report.

Precautions

CAUTION: CHEMICAL EXPOSURE HAZARD

Exposure to some chemicals commonly used in luminaire manufacturing and assembly can cause damage to the LED array. Please consult Bridgelux Application Note AN31 for additional information.

CAUTION: RISK OF BURN

Do not touch the Vero LED array during operation. Allow the array to cool for a sufficient period of time before handling. The Vero LED array may reach elevated temperatures such that could burn skin when touched.

CAUTION

CONTACT WITH LIGHT EMITTING SURFACE (LES)

Avoid any contact with the LES. Do not touch the LES of the LED array or apply stress to the LES (yellow phosphor resin area). Contact may cause damage to the LED array.

Optics and reflectors must not be mounted in contact with the LES (yellow phosphor resin area). Optical devices may be mounted on the top surface of the plastic housing of the Vero LED array. Use the mechanical features of the LED array housing, edges and/or mounting holes to locate and secure optical devices as needed.

Disclaimers

MINOR PRODUCT CHANGE POLICY

The rigorous qualification testing on products offered by Bridgelux provides performance assurance. Slight cosmetic changes that do not affect form, fit, or function may occur as Bridgelux continues product optimization.

STANDARD TEST CONDITIONS

Unless otherwise stated, array testing is performed at the nominal drive current.

About Bridgelux: Bridging Light and Life™

At Bridgelux, we help companies, industries and people experience the power and possibility of light. Since 2002, we've designed LED solutions that are high performing, energy efficient, cost effective and easy to integrate. Our focus is on light's impact on human behavior, delivering products that create better environments, experiences and returns—both experiential and financial. And our patented technology drives new platforms for commercial and industrial luminaires.

For more information about the company, please visit

bridgelux.com

twitter.com/Bridgelux

facebook.com/Bridgelux

youtube.com/user/Bridgelux

linkedin.com/company/bridgelux-inc-_2

WeChat ID: BridgeluxInChina



46430 Fremont Boulevard

Fremont, CA 94538 U.S.A.

Tel (925) 583-8400

www.bridgelux.com

© 2016-2019 Bridgelux, Inc. All rights reserved. Product specifications are subject to change without notice. Bridgelux, the Bridgelux stylized logo design, Vero, V Series and V Series HD are registered trademarks, and Decor Series is a trademark of Bridgelux, Inc. All other trademarks are the property of their respective owners.

Bridgelux Gen 7 Vero 10 Array Series Product Data Sheet DS90 Rev. Q (09/2020)