



## Bridgelux V Series LED Array: Product Selection Guide PSG-040 Rev. J

Refer to relevant product data sheets for specific information on application and performance.

Product Data sheets available at Bridgelux.com or from Bridgelux Sales Representatives.

The tables below include the base BXRE part number which defines color (CCT), color rendering (CRI) and flux characteristics.

### Product Nomenclature – BXRE V Series Part Numbers

Product Number: **B X R E – A B C D E F G – H – I J**

**B X R E** . designates product family

**A B** . designates nominal CCT color

27 - 2700 K

30 - 3000 K

35 - 3500 K

40 - 4000 K

50 - 5000 K

**C** - Color Rendering (CRI)

C - CRI > 70

E - CRI > 80

G - CRI > 90

**I J** . designates color binning

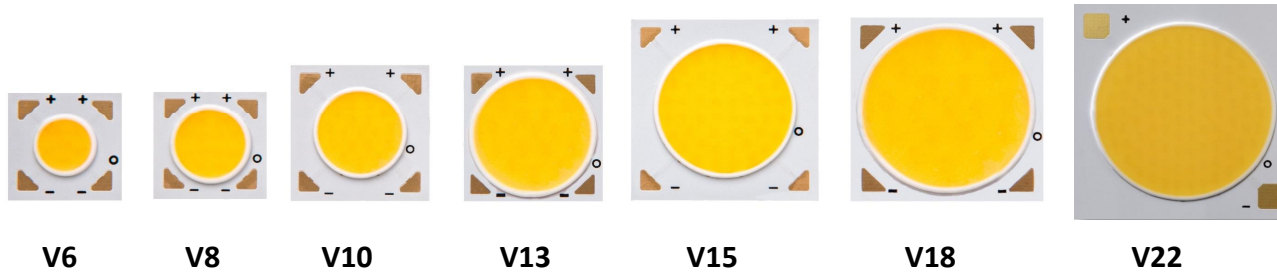
23 - 3SDCM (3-step) available on Warm and Neutral White

24 - 4SDCM (4-step) available on Cool White

**D E F G** . designates nominal flux. (Example: 0400 for 400 lumen product)

**H** - Array Configuration

### V Series (BXRE) Form Factors



Form Factor	MOQ	Tray Count	LES Diameter	Dimensions	Total Z-Height	Substrate Z-Height
V6	600	60 units	6 mm	12.50 mm x 12.50 mm	1.7 mm	1.046 mm
V8	600	60 units	8 mm	12.50 mm x 12.50 mm	1.7 mm	1.046 mm
V10	840	84 units	10 mm	15.80 mm x 15.80 mm	1.7 mm	1.046 mm
V13	840	84 units	13 mm	15.80 mm x 15.80 mm	1.7 mm	1.046 mm
V15	600	60 units	15 mm	21.00 mm x 21.00mm	1.7 mm	1.046 mm
V18	600	60 units	18 mm	21.00 mm x 21.00mm	1.7 mm	1.046 mm
V22	72	36 units	22 mm	28.00 mm x 28.00mm	1.7 mm	1.046 mm

**Notes:**

1.) Thermal Resistance based on 3000K 80 CRI component.



Form Factor	Part Number	CCT (Nominal)	CRI (min)	Current (mA)	Rated Current	Typical Pulsed Flux T <sub>c</sub> 25°C (lm)	Minimum Pulsed Flux T <sub>c</sub> 25°C (lm)	Vf T <sub>c</sub> 25°C (V)	Power T <sub>c</sub> 25°C (W)	Typical Efficacy T <sub>c</sub> 25°C (lm/W)	Thermal Resistance Junction to Case <sup>1</sup> (C/W)	Typical DC Flux T <sub>c</sub> 85°C (lm)	Minimum DC Flux T <sub>c</sub> 85°C (lm)	Vf T <sub>c</sub> 85°C (V)	Power T <sub>c</sub> 85°C (W)	Typical Efficacy T <sub>c</sub> 85°C (lm/W)	Data Sheet		
V6	BXRE-27E0400-A-2x	2700K	80	175	1x	376	353	18.0	3.2	119	1.25	333	312	17.6	3.1	108	DS40		
				250	-	514	482	18.6	4.7	110	-	455	427	18.2	4.5	100			
				350	2x	680	638	19.4	6.8	100	1.72	601	565	19.0	6.6	91			
V6	BXRE-27E0400-B-2x	2700K	80	175	.5X	206	197	8.6	1.5	137	-	182	174	8.4	1.5	124	DS40		
				350	1x	386	370	9.0	3.2	123	1.25	342	327	8.8	3.1	111			
				500	-	523	501	9.3	4.7	112	-	463	444	9.1	4.5	102			
V6	BXRE-27G0400-A-2x	2700K	90	175	1x	318	263	18.0	3.2	101	1.25	281	233	17.6	3.1	91	DS40		
				250	-	435	359	18.6	4.7	93	-	385	318	18.2	4.5	85			
				350	2x	575	475	19.4	6.8	85	1.72	509	421	19.0	6.6	77			
V6	BXRE-27G0400-B-2x	2700K	90	175	.5X	172	161	8.6	1.5	114	-	152	143	8.4	1.5	104	DS40		
				350	1x	323	303	9.0	3.2	103	1.25	286	268	8.8	3.1	93			
				500	-	438	411	9.3	4.7	94	-	387	363	9.1	4.5	86			
V6	BXRE-30E0400-A-2x	3000K	80	175	1x	397	376	18.0	3.2	126	1.25	351	333	17.6	3.1	114	DS40		
				250	-	542	514	18.6	4.7	117	-	480	454	18.2	4.5	106			
				350	2x	718	680	19.4	6.8	106	1.72	635	601	19.0	6.6	96			
V6	BXRE-30E0400-B-2x	3000K	80	175	.5X	215	196	8.6	1.5	143	-	190	173	8.4	1.5	130	DS40		
				350	1x	403	368	9.0	3.2	128	1.25	356	325	8.8	3.1	116			
				500	-	546	499	9.3	4.7	117	-	483	441	9.1	4.5	107			
V6	BXRE-30G0400-A-2x	3000K	90	175	1x	330	307	18.0	3.2	105	1.25	292	271	17.6	3.1	95	DS40		
				250	-	451	420	18.6	4.7	97	-	399	371	18.2	4.5	88			
				350	2x	597	555	19.4	6.8	88	1.72	528	491	19.0	6.6	79			
V6	BXRE-30G0400-B-2x	3000K	90	175	.5X	180	166	8.6	1.5	120	-	159	147	8.4	1.5	109	DS40		
				350	1x	338	311	9.0	3.2	107	1.25	299	275	8.8	3.1	97			
				500	-	458	421	9.3	4.7	99	-	405	373	9.1	4.5	89			
V6	BXRE-35E0400-A-2x	3500K	80	175	1x	403	371	18.0	3.2	128	1.25	356	328	17.6	3.1	116	DS40		
				250	-	551	507	18.6	4.7	118	-	486	448	18.2	4.5	107			
				350	2x	728	671	19.4	6.8	107	1.72	643	593	19.0	6.6	97			
V6	BXRE-35E0400-B-2x	3500K	80	175	.5X	215	198	8.6	1.5	143	-	190	175	8.4	1.5	130	DS40		
				350	1x	403	371	9.0	3.2	128	1.25	356	328	8.8	3.1	116			
				500	-	546	503	9.3	4.7	117	-	482	445	9.1	4.5	107			
V6	BXRE-35G0400-A-2x	3500K	90	175	1x	344	310	18.0	3.2	109	1.25	304	274	17.6	3.1	99	DS40		
				250	-	470	424	18.6	4.7	101	-	415	374	18.2	4.5	91			
				350	2x	622	560	19.4	6.8	92	1.72	550	495	19.0	6.6	83			
V6	BXRE-35G0400-B-2x	3500K	90	175	.5X	183	165	8.6	1.5	122	-	162	146	8.4	1.5	111	DS40		
				350	1x	344	310	9.0	3.2	109	1.25	304	274	8.8	3.1	99			
				500	-	466	420	9.3	4.7	100	-	412	371	9.1	4.5	91			
V6	BXRE-40E0400-A-2x	4000K	80	175	1x	423	410	18.0	3.2	134	1.25	377	366	17.6	3.1	123	DS40		
				250	-	578	560	18.6	4.7	124	-	516	500	18.2	4.5	113			
				350	2x	765	741	19.4	6.8	113	1.72	682	661	19.0	6.6	103			
V6	BXRE-40E0400-B-2x	4000K	80	175	.5X	229	220	8.6	1.5	152	-	204	196	8.4	1.5	140	DS40		
				350	1x	430	413	9.0	3.2	137	1.25	384	369	8.8	3.1	125			
				500	-	583	560	9.3	4.7	125	-	520	499	9.1	4.5	115			
						700	2x	754	724	9.7	6.8	111	1.72	673	646	9.5	6.6	102	

Form Factor	Part Number	CCT (Nominal)	CRI (min)	Current (mA)	Rated Current	Typical Pulsed Flux T <sub>c</sub> 25°C (lm)	Minimum Pulsed Flux T <sub>c</sub> 25°C (lm)	Vf T <sub>c</sub> 25°C (V)	Power T <sub>c</sub> 25°C (W)	Typical Efficacy T <sub>c</sub> 25°C (lm/W)	Thermal Resistance Junction to Case <sup>1</sup> (C/W)	Typical DC Flux T <sub>c</sub> 85°C (lm)	Minimum DC Flux T <sub>c</sub> 85°C (lm)	Vf T <sub>c</sub> 85°C (v)	Power T <sub>c</sub> 85°C (W)	Typical Efficacy T <sub>c</sub> 85°C (lm/W)	Data Sheet		
V6	BXRE-50C0400-A-24	5000K	70	175	1x	439	403	18.0	3.2	139	1.25	381	349	17.6	3.1	124	DS40		
				250	-	600	551	18.6	4.7	129	-	520	477	18.2	4.5	114			
				350	2x	794	728	19.4	6.8	117	1.72	688	631	19.0	6.6	104			
V6	BXRE-50C0400-B-24	5000K	70	175	.5X	234	215	8.6	1.5	155	-	203	186	8.4	1.5	139	DS40		
				350	1x	439	403	9.0	3.2	139	1.25	381	349	8.8	3.1	124			
				500	-	595	546	9.3	4.7	128	-	516	473	9.1	4.5	114			
V6	BXRE-50E0400-A-24	5000K	80	175	1x	420	409	18.0	3.2	133	1.25	364	355	17.6	3.1	118	DS40		
				250	-	574	559	18.6	4.7	123	-	498	484	18.2	4.5	109			
				350	2x	759	739	19.4	6.8	112	1.72	658	641	19.0	6.6	99			
V6	BXRE-50E0400-B-24	5000K	80	175	.5X	220	208	8.6	1.5	146	-	190	180	8.4	1.5	130	DS40		
				350	1x	412	390	9.0	3.2	131	1.25	357	338	8.8	3.1	116			
				500	-	558	529	9.3	4.7	120	-	484	458	9.1	4.5	107			
						700	2x	722	684	9.7	6.8	106	1.72	626	593	9.5	6.6	95	

Form Factor	Part Number	CCT (Nominal)	CRI (min)	Current (mA)	Rated Current	Typical Pulsed Flux T <sub>c</sub> 25°C (lm)	Minimum Pulsed Flux T <sub>c</sub> 25°C (lm)	Vf T <sub>c</sub> 25°C (V)	Power T <sub>c</sub> 25°C (W)	Typical Efficacy T <sub>c</sub> 25°C (lm/W)	Thermal Resistance Junction to Case <sup>1</sup> (C/W)	Typical DC Flux T <sub>c</sub> 85°C (lm)	Minimum DC Flux T <sub>c</sub> 85°C (lm)	Vf T <sub>c</sub> 85°C (V)	Power T <sub>c</sub> 85°C (W)	Typical Efficacy T <sub>c</sub> 85°C (lm/W)	Data Sheet		
V8	BXRE-27E0800-A-2x	2700K	80	175	1x	742	718	35.6	6.2	119	0.74	666	645	34.6	6.1	110	DS41		
				250	-	998	965	36.7	9.2	109	-	895	866	35.7	8.9	100			
				350	2x	1288	1246	38.1	13.3	97	0.81	1151	1113	37.1	13.0	89			
V8	BXRE-27E0800-B-2x	2700K	80	175	.5X	395	363	16.9	3.0	134	-	357	328	16.5	2.9	124	DS41		
				350	1x	740	680	17.8	6.2	119	0.74	665	611	17.4	6.1	109			
				500	-	995	914	18.4	9.2	108	-	893	821	18.0	9.0	99			
V8	BXRE-27G0800-A-2x	2700K	90	175	1x	650	628	35.6	6.2	104	0.74	572	553	34.6	6.1	95	DS41		
				250	-	874	844	36.7	9.2	95	-	769	743	35.7	8.9	86			
				350	2x	1128	1090	38.1	13.3	85	0.81	988	954	37.1	13.0	76			
V8	BXRE-27G0800-B-2x	2700K	90	175	.5X	339	306	16.9	3.0	115	-	301	271	16.5	2.9	104	DS41		
				350	1x	635	573	17.8	6.2	102	0.74	559	504	17.4	6.1	92			
				500	-	854	771	18.4	9.2	93	-	751	678	18.0	9.0	84			
V8	BXRE-30E0800-A-2x	3000K	80	175	1x	785	696	35.6	6.2	126	0.74	703	624	34.6	6.1	116	DS41		
				250	-	1056	936	36.7	9.2	115	-	945	838	35.7	8.9	106			
				350	2x	1363	1208	38.1	13.3	102	0.81	1215	1077	37.1	13.0	94			
V8	BXRE-30E0800-B-2x	3000K	80	175	.5X	419	384	16.9	3.0	142	-	378	347	16.5	2.9	131	DS41		
				350	1x	785	720	17.8	6.2	126	0.74	703	645	17.4	6.1	116			
				500	-	1056	968	18.4	9.2	115	-	945	867	18.0	9.0	105			
V8	BXRE-30G0800-A-2x	3000K	90	175	1x	654	623	35.6	6.2	105	0.74	576	548	34.6	6.1	95	DS41		
				250	-	879	838	36.7	9.2	96	-	773	737	35.7	8.9	87			
				350	2x	1135	1082	38.1	13.3	85	0.81	994	947	37.1	13.0	77			
V8	BXRE-30G0800-B-2x	3000K	90	175	.5X	353	326	16.9	3.0	119	-	313	289	16.5	2.9	108	DS41		
				350	1x	661	611	17.8	6.2	106	0.74	582	538	17.4	6.1	96			
				500	-	889	822	18.4	9.2	97	-	782	722	18.0	9.0	87			
V8	BXRE-35E0800-A-2x	3500K	80	175	1x	803	701	35.6	6.2	129	0.74	719	628	34.6	6.1	119	DS41		
				250	-	1080	943	36.7	9.2	118	-	967	844	35.7	8.9	108			
				350	2x	1394	1217	38.1	13.3	105	0.81	1242	1085	37.1	13.0	96			
V8	BXRE-35E0800-B-2x	3500K	80	175	.5X	433	412	16.9	3.0	147	-	387	338	16.5	2.9	134	DS41		
				350	1x	812	772	17.8	6.2	130	0.74	719	628	17.4	6.1	118			
				500	-	1092	1038	18.4	9.2	119	-	967	844	18.0	9.0	108			
V8	BXRE-35G0800-A-2x	3500K	90	175	1x	679	595	35.6	6.2	109	0.74	598	524	34.6	6.1	99	DS41		
				250	-	913	800	36.7	9.2	100	-	804	704	35.7	8.9	90			
				350	2x	1179	1033	38.1	13.3	88	0.81	1033	904	37.1	13.0	80			
V8	BXRE-35G0800-B-2x	3500K	90	175	.5X	362	318	16.9	3.0	123	-	322	282	16.5	2.9	112	DS41		
				350	1x	679	595	17.8	6.2	109	0.74	598	524	17.4	6.1	98			
				500	-	913	800	18.4	9.2	99	-	804	704	18.0	9.0	89			
						700	2x	1179	1033	19.2	13.4	88	0.81	1033	904	18.8	13.1	79	

Form Factor	Part Number	CCT (Nominal)	CRI (min)	Current (mA)	Rated Current	Typical Pulsed Flux T <sub>c</sub> 25°C (lm)	Minimum Pulsed Flux T <sub>c</sub> 25°C (lm)	Vf T <sub>c</sub> 25°C (V)	Power T <sub>c</sub> 25°C (W)	Typical Efficacy T <sub>c</sub> 25°C (lm/W)	Thermal Resistance Junction to Case <sup>1</sup> (C/W)	Typical DC Flux T <sub>c</sub> 85°C (lm)	Minimum DC Flux T <sub>c</sub> 85°C (lm)	Vf T <sub>c</sub> 85°C (V)	Power T <sub>c</sub> 85°C (W)	Typical Efficacy T <sub>c</sub> 85°C (lm/W)	Data Sheet		
V8	BXRE-40E0800-A-2x	4000K	80	175	1x	834	790	35.6	6.2	134	0.74	751	712	34.6	6.1	124	DS41		
				250	-	1121	1062	36.7	9.2	122	-	1010	956	35.7	8.9	113			
				350	2x	1448	1371	38.1	13.3	109	0.81	1298	1229	37.1	13.0	100			
V8	BXRE-40E0800-B-2x	4000K	80	175	.5X	442	402	16.9	3.0	150	-	402	365	16.5	2.9	139	DS41		
				350	1x	829	754	17.8	6.2	133	0.74	747	679	17.4	6.1	123			
				500	-	1115	1014	18.4	9.2	121	-	1004	913	18.0	9.0	112			
V8	BXRE-40G0800-A-2x	4000K	90	175	1x	716	611	35.6	6.2	115	0.74	630	538	34.6	6.1	104	DS41		
				250	-	963	822	36.7	9.2	105	-	847	722	35.7	8.9	95			
				350	2x	1243	1061	38.1	13.3	93	0.81	1088	928	37.1	13.0	84			
V8	BXRE-40G0800-B-2x	4000K	90	175	.5X	391	349	16.9	3.0	132	-	346	309	16.5	2.9	120	DS41		
				350	1x	732	653	17.8	6.2	117	0.74	644	575	17.4	6.1	106			
				500	-	984	878	18.4	9.2	107	-	866	772	18.0	9.0	96			
V8	BXRE-50C0800-A-24	5000K	70	175	1x	885	820	35.6	6.2	142	0.74	779	722	34.6	6.1	129	DS41		
				250	-	1190	1103	36.7	9.2	130	-	1046	970	35.7	8.9	117			
				350	2x	1536	1424	38.1	13.3	115	0.81	1345	1246	37.1	13.0	104			
V8	BXRE-50C0800-B-24	5000K	70	175	.5X	485	453	16.9	3.0	164	-	430	401	16.5	2.9	149	DS41		
				350	1x	908	848	17.8	6.2	146	0.74	799	746	17.4	6.1	131			
				500	-	1221	1140	18.4	9.2	133	-	1074	1003	18.0	9.0	119			
V8	BXRE-50E0800-A-24	5000K	80	175	1x	853	831	35.6	6.2	137	0.74	751	731	34.7	6.1	124	DS41		
				250	-	1147	1117	36.7	9.2	125	-	1009	983	35.8	9.0	113			
				350	2x	1481	1443	38.1	13.3	111	0.81	1296	1263	37.2	13.0	100			
V8	BXRE-50E0800-B-24	5000K	80	175	.5X	455	422	16.9	3.0	154	-	404	374	16.5	2.9	140	DS41		
				350	1x	853	791	17.8	6.2	137	0.74	751	696	17.4	6.1	123			
				500	-	1147	1064	18.4	9.2	125	-	1009	935	18.0	9.0	112			
						700	2x	1481	1373	19.2	13.4	110	0.81	1296	1202	18.8	13.1	99	

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V10	BXRE-27E1000-B-2x	2700K	80	175	.5x	606	575	24.9	4.4	139	-	538	459	24.1	4.2	128	DS42
				350	1x	1150	1091	26.5	9.3	124	0.47	1022	970	25.7	9.0	114	
				500	-	1577	1496	27.6	13.8	114	-	1402	1168	26.8	13.4	105	
				700	2x	2075	1969	29.0	20.3	102	0.59	1844	1512	28.2	19.7	94	
V10	BXRE-27G1000-B-2x	2700K	90	175	.5x	504	464	24.9	4.4	116	-	448	371	24.1	4.2	106	DS42
				350	1x	956	881	26.5	9.3	103	0.47	850	783	25.7	9.0	95	
				500	-	1311	1208	27.6	13.8	95	-	1165	943	26.8	13.4	87	
				700	2x	1725	1590	29.0	20.3	85	0.59	1533	1221	28.2	19.7	78	
V10	BXRE-30E1000-B-2x	3000K	80	175	.5x	639	593	24.9	4.4	147	-	572	477	24.1	4.2	136	DS42
				350	1x	1213	1125	26.5	9.3	131	0.47	1086	1008	25.7	9.0	121	
				500	-	1663	1543	27.6	13.8	121	-	1490	1214	26.8	13.4	111	
				700	2x	2189	2030	29.0	20.3	108	0.59	1960	1571	28.2	19.7	99	
V10	BXRE-30G1000-B-2x	3000K	90	175	.5x	528	479	24.9	4.4	121	-	473	386	24.1	4.2	112	DS42
				350	1x	1003	910	26.5	9.3	108	0.47	898	815	25.7	9.0	100	
				500	-	1375	1248	27.6	13.8	100	-	1232	982	26.8	13.4	92	
				700	2x	1810	1642	29.0	20.3	89	0.59	1621	1271	28.2	19.7	82	
V10	BXRE-35E1000-B-2x	3500K	80	175	.5x	650	632	24.9	4.4	149	-	583	479	24.1	4.2	138	DS42
				350	1x	1234	1200	26.5	9.3	133	0.47	1101	1013	25.7	9.0	123	
				500	-	1692	1646	27.6	13.8	123	-	1516	1220	26.8	13.4	113	
				700	2x	2227	2165	29.0	20.3	110	0.59	1995	1579	28.2	19.7	101	
V10	BXRE-35G1000-B-2x	3500K	90	175	.5x	563	548	24.9	4.4	129	-	504	441	24.1	4.2	120	DS42
				350	1x	1068	1041	26.5	9.3	115	0.47	957	933	25.7	9.0	107	
				500	-	1465	1428	27.6	13.8	106	-	1312	1123	26.8	13.4	98	
				700	2x	1927	1879	29.0	20.3	95	0.59	1727	1454	28.2	19.7	88	
V10	BXRE-40E1000-B-2x	4000K	80	175	.5x	660	625	24.9	4.4	151	-	591	503	24.1	4.2	140	DS42
				350	1x	1253	1186	26.5	9.3	135	0.47	1123	1063	25.7	9.0	125	
				500	-	1718	1626	27.6	13.8	125	-	1540	1280	26.8	13.4	115	
				700	2x	2261	2140	29.0	20.3	111	0.59	2026	1657	28.2	19.7	103	
V10	BXRE-40G1000-B-2x	4000K	90	175	.5x	567	521	24.9	4.4	130	-	508	419	24.1	4.2	121	DS42
				350	1x	1076	989	26.5	9.3	116	0.47	964	886	25.7	9.0	107	
				500	-	1476	1356	27.6	13.8	107	-	1322	1067	26.8	13.4	99	
				700	2x	1942	1785	29.0	20.3	96	0.59	1740	1382	28.2	19.7	88	
V10	BXRE-50C1000-B-24	5000K	70	175	.5x	701	648	24.9	4.4	161	-	608	505	24.1	4.2	144	DS42
				350	1x	1330	1230	26.5	9.3	143	0.47	1154	1067	25.7	9.0	128	
				500	-	1824	1687	27.6	13.8	132	-	1582	1285	26.8	13.4	118	
				700	2x	2400	2220	29.0	20.3	118	0.59	2082	1663	28.2	19.7	106	
V10	BXRE-50E1000-B-24	5000K	80	175	.5x	665	628	24.9	4.4	153	-	577	489	24.1	4.2	137	DS42
				350	1x	1263	1192	26.5	9.3	136	0.47	1095	1034	25.7	9.0	122	
				500	-	1732	1635	27.6	13.8	126	-	1502	1245	26.8	13.4	112	
				700	2x	2279	2151	29.0	20.3	112	0.59	1977	1612	28.2	19.7	100	
V10	BXRE-50G1000-B-24	5000K	90	175	.5x	583	532	24.9	4.4	134	-	505	415	24.1	4.2	120	DS42
				350	1x	1106	1010	26.5	9.3	119	0.47	959	876	25.7	9.0	107	
				500	-	1517	1385	27.6	13.8	110	-	1315	1055	26.8	13.4	98	
				700	2x	1996	1823	29.0	20.3	98	0.59	1731	1366	28.2	19.7	88	

Form Factor	Part Number	CCT (Nominal)	CRI (min)	Current (mA)	Rated Current	Typical Pulsed Flux T <sub>c</sub> 25°C (lm)	Minimum Pulsed Flux T <sub>c</sub> 25°C (lm)	V <sub>f</sub> T <sub>c</sub> 25°C (V)	Power T <sub>c</sub> 25°C (W)	Typical Efficacy T <sub>c</sub> 25°C (lm/W)	Thermal Resistance Junction to Case <sup>1</sup> (C/W)	Typical DC Flux T <sub>c</sub> 85°C (lm)	Minimum DC Flux T <sub>c</sub> 85°C (lm)	V <sub>f</sub> T <sub>c</sub> 85°C (V)	Power T <sub>c</sub> 85°C (W)	Typical Efficacy T <sub>c</sub> 85°C (lm/W)	Data Sheet
V13	BXRE-27E2000-C-2x	2700K	80	175	-	781	741	30.2	5.3	148	-	715	679	29.2	5.1	140	DS44
				350	0.75x	1488	1412	31.4	11.0	135	-	1361	1292	30.4	10.6	128	
				500	1x	2039	1935	32.3	16.2	126	0.22	1867	1772	31.3	15.6	119	
				700	1.5x	2705	2567	33.4	23.4	116	-	2484	2357	32.4	22.7	110	
				1050	2x	3663	3476	35.1	36.9	99	0.28	3382	3210	34.1	35.8	95	
V13	BXRE-27G2000-C-2x	2700K	90	175	-	650	604	30.2	5.3	123	-	572	531	29.2	5.1	112	DS44
				350	0.75x	1237	1150	31.4	11.0	113	-	1088	1011	30.4	10.6	102	
				500	1x	1696	1576	32.3	16.2	105	0.22	1492	1387	31.3	15.6	95	
				700	1.5x	2250	2091	33.4	23.4	96	-	1985	1845	32.4	22.7	88	
				1050	2x	3047	2831	35.1	36.9	83	0.28	2703	2512	34.1	35.8	76	
V13	BXRE-30E2000-C-2x	3000K	80	175	-	817	746	30.2	5.3	155	-	736	672	29.2	5.1	144	DS44
				350	0.75x	1556	1421	31.4	11.0	142	-	1400	1278	30.4	10.6	132	
				500	1x	2133	1947	32.3	16.2	132	0.22	1921	1754	31.3	15.6	123	
				700	1.5x	2830	2583	33.4	23.4	121	-	2556	2333	32.4	22.7	113	
				1050	2x	3832	3498	35.1	36.9	104	0.28	3480	3177	34.1	35.8	97	
V13	BXRE-30G2000-C-2x	3000K	90	175	-	684	615	30.2	5.3	129	-	602	541	29.2	5.1	118	DS44
				350	0.75x	1302	1171	31.4	11.0	119	-	1145	1029	30.4	10.6	108	
				500	1x	1785	1605	32.3	16.2	111	0.22	1571	1412	31.3	15.6	100	
				700	1.5x	2368	2130	33.4	23.4	101	-	2090	1879	32.4	22.7	92	
				1050	2x	3207	2883	35.1	36.9	87	0.28	2845	2558	34.1	35.8	80	
V13	BXRE-35E2000-C-2x	3500K	80	175	-	838	766	30.2	5.3	159	-	759	694	29.2	5.1	149	DS44
				350	0.75x	1596	1459	31.4	11.0	145	-	1444	1320	30.4	10.6	136	
				500	1x	2187	2000	32.3	16.2	135	0.22	1981	1811	31.3	15.6	127	
				700	1.5x	2902	2654	33.4	23.4	124	-	2635	2410	32.4	22.7	116	
				1050	2x	3929	3593	35.1	36.9	107	0.28	3587	3281	34.1	35.8	100	
V13	BXRE-35G2000-C-2x	3500K	90	175	-	716	680	30.2	5.3	135	-	620	573	29.2	5.1	121	DS44
				350	0.75x	1363	1296	31.4	11.0	124	-	1181	1091	30.4	10.6	111	
				500	1x	1868	1776	32.3	16.2	116	0.22	1620	1497	31.3	15.6	104	
				700	1.5x	2479	2356	33.4	23.4	106	-	2155	1991	32.4	22.7	95	
				1050	2x	3356	3191	35.1	36.9	91	0.28	2934	2711	34.1	35.8	82	
V13	BXRE-40E2000-C-2x	4000K	80	175	-	867	810	30.2	5.3	164	-	781	730	29.2	5.1	153	DS44
				350	0.75x	1650	1542	31.4	11.0	150	-	1487	1390	30.4	10.6	140	
				500	1x	2262	2114	32.3	16.2	140	0.22	2040	1907	31.3	15.6	130	
				700	1.5x	3001	2805	33.4	23.4	128	-	2714	2537	32.4	22.7	120	
				1050	2x	4064	3798	35.1	36.9	110	0.28	3695	3454	34.1	35.8	103	
V13	BXRE-40G2000-C-2x	4000K	90	175	-	739	684	30.2	5.3	140	-	650	602	29.2	5.1	127	DS44
				350	0.75x	1407	1303	31.4	11.0	128	-	1237	1146	30.4	10.6	116	
				500	1x	1928	1786	32.3	16.2	119	0.22	1697	1572	31.3	15.6	108	
				700	1.5x	2558	2370	33.4	23.4	109	-	2257	2091	32.4	22.7	100	
				1050	2x	3464	3209	35.1	36.9	94	0.28	3073	2847	34.1	35.8	86	

Form Factor	Part Number	CCT (Nominal)	CRI (min)	Current (mA)	Rated Current	Typical Pulsed Flux T <sub>c</sub> 25°C (lm)	Minimum Pulsed Flux T <sub>c</sub> 25°C (lm)	Vf T <sub>c</sub> 25°C (V)	Power T <sub>c</sub> 25°C (W)	Typical Efficacy T <sub>c</sub> 25°C (lm/W)	Thermal Resistance Junction to Case <sup>1</sup> (C/W)	Typical DC Flux T <sub>c</sub> 85°C (lm)	Minimum DC Flux T <sub>c</sub> 85°C (lm)	Vf T <sub>c</sub> 85°C (V)	Power T <sub>c</sub> 85°C (W)	Typical Efficacy T <sub>c</sub> 85°C (lm/W)	Data Sheet
V13	BXRE-50C2000-C-24	5000K	70	175	-	917	860	30.2	5.3	174	-	807	757	29.2	5.1	158	DS44
				350	0.75x	1747	1638	31.4	11.0	159	-	1536	1440	30.4	10.6	144	
				<b>500</b>	<b>1x</b>	<b>2394</b>	<b>2245</b>	<b>32.3</b>	<b>16.2</b>	<b>148</b>	<b>0.22</b>	<b>2107</b>	<b>1976</b>	<b>31.3</b>	<b>15.6</b>	<b>135</b>	
				700	1.5x	3176	2979	33.4	23.4	136	-	2803	2628	32.4	22.7	124	
				1050	2x	4301	4033	35.1	36.9	117	0.28	3816	3578	34.1	35.8	107	
V13	BXRE-50E2000-C-24	5000K	80	175	-	863	810	30.2	5.3	163	-	759	712	29.2	5.1	149	DS44
				350	0.75x	1643	1542	31.4	11.0	150	-	1444	1356	30.4	10.6	136	
				<b>500</b>	<b>1x</b>	<b>2252</b>	<b>2114</b>	<b>32.3</b>	<b>16.2</b>	<b>139</b>	<b>0.22</b>	<b>1982</b>	<b>1860</b>	<b>31.3</b>	<b>15.6</b>	<b>127</b>	
				700	1.5x	2988	2805	33.4	23.4	128	-	2636	2475	32.4	22.7	116	
				1050	2x	4046	3798	35.1	36.9	110	0.28	3589	3369	34.1	35.8	100	
V13	BXRE-50G2000-C-24	5000K	90	175	-	772	693	30.2	5.3	146	-	679	610	29.2	5.1	133	DS44
				350	0.75x	1470	1320	31.4	11.0	134	-	1292	1160	30.4	10.6	122	
				<b>500</b>	<b>1x</b>	<b>2015</b>	<b>1809</b>	<b>32.3</b>	<b>16.2</b>	<b>125</b>	<b>0.22</b>	<b>1773</b>	<b>1592</b>	<b>31.3</b>	<b>15.6</b>	<b>113</b>	
				700	1.5x	2674	2400	33.4	23.4	114	-	2359	2118	32.4	22.7	104	
				1050	2x	3620	3250	35.1	36.9	98	0.28	3212	2883	34.1	35.8	90	



Form Factor	Part Number	CCT (Nominal)	CRI (min)	Current (mA)	Rated Current	Typical Pulsed Flux T <sub>c</sub> 25°C (lm)	Minimum Pulsed Flux T <sub>c</sub> 25°C (lm)	Vf T <sub>c</sub> 25°C (V)	Power T <sub>c</sub> 25°C (W)	Typical Efficacy T <sub>c</sub> 25°C (lm/W)	Thermal Resistance Junction to Case <sup>1</sup> (C/W)	Typical DC Flux T <sub>c</sub> 85°C (lm)	Minimum DC Flux T <sub>c</sub> 85°C (lm)	Vf T <sub>c</sub> 85°C (V)	Power T <sub>c</sub> 85°C (W)	Typical Efficacy T <sub>c</sub> 85°C (lm/W)	Data Sheet
V15	BXRE-27E3001-D-2x	2700K	80	350	.5x	1605	1461	34.1	11.9	134	-	1432	1176	33.1	11.6	124	DS43
				500	-	2229	2029	35.0	17.5	127	-	1989	1635	34.0	17.0	117	
				700	1x	2994	2725	36.0	25.2	119	0.16	2671	2431	35.0	24.5	109	
				1050	1.5x	4193	3816	37.6	39.5	106	-	3740	3085	36.6	38.4	97	
				1400	2x	5176	4711	39.0	54.6	95	0.19	4617	3818	38.0	53.2	87	
V15	BXRE-27G3001-D-2x	2700K	90	350	.5x	1351	1137	34.1	11.9	113	-	1205	916	33.1	11.6	104	DS43
				500	-	1876	1580	35.0	17.5	107	-	1674	1273	34.0	17.0	99	
				700	1x	2520	2122	36.0	25.2	100	0.16	2248	1893	35.0	24.5	92	
				1050	1.5x	3529	2972	37.6	39.5	89	-	3148	2403	36.6	38.4	82	
				1400	2x	4356	3668	39.0	54.6	80	0.19	3886	2973	38.0	53.2	73	
V15	BXRE-30E3001-D-2x	3000K	80	350	.5x	1703	1567	34.1	11.9	143	-	1522	1264	33.1	11.6	131	DS43
				500	-	2366	2176	35.0	17.5	135	-	2115	1757	34.0	17.0	124	
				700	1x	3178	2923	36.0	25.2	126	0.16	2840	2612	35.0	24.5	116	
				1050	1.5x	4450	4093	37.6	39.5	113	-	3977	3316	36.6	38.4	104	
				1400	2x	5494	5053	39.0	54.6	101	0.19	4910	4103	38.0	53.2	92	
V15	BXRE-30G3001-D-2x	3000K	90	350	.5x	1392	1317	34.1	11.9	117	-	1244	1063	33.1	11.6	107	DS43
				500	-	1933	1829	35.0	17.5	110	-	1727	1477	34.0	17.0	102	
				700	1x	2596	2457	36.0	25.2	103	0.16	2320	2196	35.0	24.5	95	
				1050	1.5x	3635	3441	37.6	39.5	92	-	3249	2787	36.6	38.4	85	
				1400	2x	4488	4247	39.0	54.6	82	0.19	4011	3449	38.0	53.2	75	
V15	BXRE-35E3001-D-2x	3500K	80	350	.5x	1760	1619	34.1	11.9	147	-	1573	1307	33.1	11.6	136	DS43
				500	-	2445	2249	35.0	17.5	140	-	2185	1816	34.0	17.0	129	
				700	1x	3284	3021	36.0	25.2	130	0.16	2935	2700	35.0	24.5	120	
				1050	1.5x	4599	4230	37.6	39.5	116	-	4109	3427	36.6	38.4	107	
				1400	2x	5677	5222	39.0	54.6	104	0.19	5073	4241	38.0	53.2	95	
V15	BXRE-35G3001-D-2x	3500K	90	350	.5x	1453	1429	34.1	11.9	122	-	1279	1168	33.1	11.6	111	DS43
				500	-	2018	1985	35.0	17.5	115	-	1777	1623	34.0	17.0	105	
				700	1x	2711	2666	36.0	25.2	108	0.16	2387	2180	35.0	24.5	97	
				1050	1.5x	3796	3733	37.6	39.5	96	-	3343	3052	36.6	38.4	87	
				1400	2x	4686	4609	39.0	54.6	86	0.19	4126	3768	38.0	53.2	78	
V15	BXRE-40E3001-D-2x	4000K	80	350	.5x	1807	1727	34.1	11.9	151	-	1615	1393	33.1	11.6	139	DS43
				500	-	2511	2399	35.0	17.5	143	-	2243	1937	34.0	17.0	132	
				700	1x	3372	3222	36.0	25.2	134	0.16	3013	2879	35.0	24.5	123	
				1050	1.5x	4722	4512	37.6	39.5	120	-	4219	3654	36.6	38.4	110	
				1400	2x	5829	5570	39.0	54.6	107	0.19	5209	4522	38.0	53.2	98	
V15	BXRE-40G3001-D-2x	4000K	90	350	.5x	1513	1432	34.1	11.9	127	-	1352	1155	33.1	11.6	117	DS43
				500	-	2101	1989	35.0	17.5	120	-	1877	1606	34.0	17.0	111	
				700	1x	2822	2672	36.0	25.2	112	0.16	2522	2388	35.0	24.5	103	
				1050	1.5x	3952	3742	37.6	39.5	100	-	3531	3031	36.6	38.4	92	
				1400	2x	4878	4619	39.0	54.6	89	0.19	4359	3750	38.0	53.2	82	

Form Factor	Part Number	CCT (Nominal)	CRI (min)	Current (mA)	Rated Current	Typical Pulsed Flux T <sub>c</sub> 25°C (lm)	Minimum Pulsed Flux T <sub>c</sub> 25°C (lm)	Vf T <sub>c</sub> 25°C (V)	Power T <sub>c</sub> 25°C (W)	Typical Efficacy T <sub>c</sub> 25°C (lm/W)	Thermal Resistance Junction to Case <sup>1</sup> (C/W)	Typical DC Flux T <sub>c</sub> 85°C (lm)	Minimum DC Flux T <sub>c</sub> 85°C (lm)	Vf T <sub>c</sub> 85°C (V)	Power T <sub>c</sub> 85°C (W)	Typical Efficacy T <sub>c</sub> 85°C (lm/W)	Data Sheet
V15	BXRE-50C3001-D-24	5000K	70	350	.5x	1959	1796	34.1	11.9	164	-	1699	1406	33.1	11.6	147	DS43
				500	-	2721	2494	35.0	17.5	155	-	2360	1955	34.0	17.0	139	
				700	1x	3654	3350	36.0	25.2	145	0.16	3169	2905	35.0	24.5	129	
				1050	1.5x	5117	4691	37.6	39.5	130	-	4438	3688	36.6	38.4	116	
				1400	2x	6316	5791	39.0	54.6	116	0.19	5478	4564	38.0	53.2	103	
V15	BXRE-50E3001-D-24	5000K	80	350	.5x	1837	1760	34.1	11.9	154	-	1594	1378	33.1	11.6	138	DS43
				500	-	2552	2445	35.0	17.5	146	-	2214	1916	34.0	17.0	130	
				700	1x	3428	3284	36.0	25.2	136	0.16	2973	2848	35.0	24.5	121	
				1050	1.5x	4800	4599	37.6	39.5	122	-	4163	3615	36.6	38.4	108	
				1400	2x	5926	5677	39.0	54.6	109	0.19	5139	4474	38.0	53.2	97	
V15	BXRE-50G3001-D-24	5000K	90	350	.5x	1553	1428	34.1	11.9	130	-	1347	1119	33.1	11.6	116	DS43
				500	-	2158	1984	35.0	17.5	123	-	1871	1555	34.0	17.0	110	
				700	1x	2898	2665	36.0	25.2	115	0.16	2513	2311	35.0	24.5	103	
				1050	1.5x	4058	3732	37.6	39.5	103	-	3520	2934	36.6	38.4	92	
				1400	2x	5010	4607	39.0	54.6	92	0.19	4345	3630	38.0	53.2	82	

Form Factor	Part Number	CCT (Nominal)	CRI (min)	Current (mA)	Rated Current	Typical Pulsed Flux T <sub>c</sub> 25°C (lm)	Minimum Pulsed Flux T <sub>c</sub> 25°C (lm)	Vf T <sub>c</sub> 25°C (V)	Power T <sub>c</sub> 25°C (W)	Typical Efficacy T <sub>c</sub> 25°C (lm/W)	Thermal Resistance Junction to Case <sup>1</sup> (C/W)	Typical DC Flux T <sub>c</sub> 85°C (lm)	Minimum DC Flux T <sub>c</sub> 85°C (lm)	Vf T <sub>c</sub> 85°C (V)	Power T <sub>c</sub> 85°C (W)	Typical Efficacy T <sub>c</sub> 85°C (lm/W)	Data Sheet
V18	BXRE-27E4000-F-2x	2700K	80	500	-	2042	1919	28.1	14.1	145	-	1846	1735	27.2	13.6	136	DS45
				700	-	2779	2612	28.7	20.1	138	-	2513	2362	27.8	19.5	129	
				1050	1x	3961	3723	29.5	31.0	128	0.13	3592	3376	28.6	30.0	120	
				1400	1.5x	5032	4730	30.2	42.3	119	-	4575	4300	29.3	41.0	112	
				2100	2x	6777	6369	31.6	66.4	102	0.17	6211	5838	30.7	64.5	96	
V18	BXRE-27G4000-F-2x	2700K	90	500	-	1662	1552	28.1	14.1	118	-	1458	1361	27.2	13.6	107	DS45
				700	-	2262	2112	28.7	20.1	113	-	1985	1853	27.8	19.5	102	
				1050	1x	3224	3010	29.5	31.0	104	0.13	2837	2649	28.6	30.0	94	
				1400	1.5x	4096	3824	30.2	42.3	97	-	3614	3374	29.3	41.0	88	
				2100	2x	5516	5150	31.6	66.4	83	0.17	4905	4580	30.7	64.5	76	
V18	BXRE-30E4000-F-2x	3000K	80	500	-	2112	1906	28.1	14.1	150	-	1903	1718	27.2	13.6	140	DS45
				700	-	2874	2594	28.7	20.1	143	-	2592	2339	27.8	19.5	133	
				1050	1x	4097	3698	29.5	31.0	132	0.13	3705	3344	28.6	30.0	123	
				1400	1.5x	5205	4698	30.2	42.3	123	-	4718	4259	29.3	41.0	115	
				2100	2x	7009	6327	31.6	66.4	106	0.17	6405	5781	30.7	64.5	99	
V18	BXRE-30G4000-F-2x	3000K	90	500	-	1764	1625	28.1	14.1	126	-	1548	1425	27.2	13.6	114	DS45
				700	-	2402	2211	28.7	20.1	120	-	2107	1941	27.8	19.5	108	
				1050	1x	3423	3152	29.5	31.0	111	0.13	3012	2774	28.6	30.0	100	
				1400	1.5x	4349	4004	30.2	42.3	103	-	3837	3533	29.3	41.0	94	
				2100	2x	5856	5393	31.6	66.4	88	0.17	5208	4796	30.7	64.5	81	
V18	BXRE-35E4000-F-2x	3500K	80	500	-	2211	1993	28.1	14.1	157	-	2002	1805	27.2	13.6	147	DS45
				700	-	3009	2712	28.7	20.1	150	-	2726	2457	27.8	19.5	140	
				1050	1x	4289	3866	29.5	31.0	138	0.13	3896	3512	28.6	30.0	130	
				1400	1.5x	5449	4911	30.2	42.3	129	-	4963	4473	29.3	41.0	121	
				2100	2x	7338	6614	31.6	66.4	111	0.17	6736	6072	30.7	64.5	104	
V18	BXRE-35G4000-F-2x	3500K	90	500	-	1884	1678	28.1	14.1	134	-	1652	1424	27.2	13.6	122	DS45
				700	-	2564	2284	28.7	20.1	128	-	2250	1939	27.8	19.5	116	
				1050	1x	3655	3256	29.5	31.0	118	0.13	3216	2772	28.6	30.0	107	
				1400	1.5x	4643	4137	30.2	42.3	110	-	4096	3531	29.3	41.0	100	
				2100	2x	6253	5570	31.6	66.4	94	0.17	5560	4793	30.7	64.5	86	
V18	BXRE-40E4000-F-2x	4000K	80	500	-	2238	2026	28.1	14.1	159	-	2014	1824	27.2	13.6	148	DS45
				700	-	3046	2758	28.7	20.1	152	-	2743	2484	27.8	19.5	141	
				1050	1x	4341	3931	29.5	31.0	140	0.13	3920	3550	28.6	30.0	131	
				1400	1.5x	5515	4994	30.2	42.3	130	-	4993	4522	29.3	41.0	122	
				2100	2x	7427	6725	31.6	66.4	112	0.17	6778	6138	30.7	64.5	105	
V18	BXRE-40G4000-F-2x	4000K	90	500	-	1933	1819	28.1	14.1	138	-	1696	1596	27.2	13.6	125	DS45
				700	-	2631	2476	28.7	20.1	131	-	2309	2173	27.8	19.5	119	
				1050	1x	3750	3529	29.5	31.0	121	0.13	3300	3106	28.6	30.0	110	
				1400	1.5x	4764	4483	30.2	42.3	113	-	4203	3955	29.3	41.0	102	
				2100	2x	6416	6038	31.6	66.4	97	0.17	5705	5369	30.7	64.5	88	

Form Factor	Part Number	CCT (Nominal)	CRI (min)	Current (mA)	Rated Current	Typical Pulsed Flux T <sub>c</sub> 25°C (lm)	Minimum Pulsed Flux T <sub>c</sub> 25°C (lm)	Vf T <sub>c</sub> 25°C (V)	Power T <sub>c</sub> 25°C (W)	Typical Efficacy T <sub>c</sub> 25°C (lm/W)	Thermal Resistance Junction to Case <sup>1</sup> (C/W)	Typical DC Flux T <sub>c</sub> 85°C (lm)	Minimum DC Flux T <sub>c</sub> 85°C (lm)	Vf T <sub>c</sub> 85°C (V)	Power T <sub>c</sub> 85°C (W)	Typical Efficacy T <sub>c</sub> 85°C (lm/W)	Data Sheet
V18	BXRE-50C4000-F-24	5000K	70	500	-	2315	2373	28.1	14.1	165	-	2031	2081	27.2	13.6	149	DS45
				700	-	3151	3229	28.7	20.1	157	-	2765	2834	27.8	19.5	142	
				1050	1x	4491	4603	29.5	31.0	145	0.13	3952	4051	28.6	30.0	132	
				1400	1.5x	5705	5848	30.2	42.3	135	-	5034	5159	29.3	41.0	123	
V18	BXRE-50E4000-F-24	5000K	80	2100	2x	7683	7875	31.6	66.4	116	0.17	6833	7003	30.7	64.5	106	DS45
				500	-	2219	2098	28.1	14.1	158	-	1947	1840	27.2	13.6	143	
				700	-	3020	2855	28.7	20.1	150	-	2651	2506	27.8	19.5	136	
				1050	1x	4305	4070	29.5	31.0	139	0.13	3788	3582	28.6	30.0	126	
V18	BXRE-50G4000-F-24	5000K	90	1400	1.5x	5469	5171	30.2	42.3	129	-	4825	4562	29.3	41.0	118	DS45
				2100	2x	7365	6963	31.6	66.4	111	0.17	6550	6192	30.7	64.5	102	
				500	-	2003	1906	28.1	14.1	143	-	1757	1672	27.2	13.6	129	
				700	-	2726	2594	28.7	20.1	136	-	2392	2276	27.8	19.5	123	
V18	BXRE-50G4000-F-24	5000K	90	1050	1x	3885	3697	29.5	31.0	125	0.13	3419	3253	28.6	30.0	114	DS45
				1400	1.5x	4936	4697	30.2	42.3	117	-	4354	4144	29.3	41.0	106	
				2100	2x	6647	6325	31.6	66.4	100	0.17	5911	5625	30.7	64.5	92	

Form Factor	Part Number	CCT (Nominal)	CRI (min)	Current (mA)	Rated Current	Typical Pulsed Flux T <sub>c</sub> 25°C (lm)	Minimum Pulsed Flux T <sub>c</sub> 25°C (lm)	Vf T <sub>c</sub> 25°C (V)	Power T <sub>c</sub> 25°C (W)	Typical Efficacy T <sub>c</sub> 25°C (lm/W)	Thermal Resistance Junction to Case <sup>1</sup> (C/W)	Typical DC Flux T <sub>c</sub> 85°C (lm)	Minimum DC Flux T <sub>c</sub> 85°C (lm)	Vf T <sub>c</sub> 85°C (V)	Power T <sub>c</sub> 85°C (W)	Typical Efficacy T <sub>c</sub> 85°C (lm/W)	Data Sheet
V22	BXRE-27E6500-H-2x	2700K	80	350	-	1673	1609	32.5	11.4	147	-	1506	1448	31.3	11.0	137	DS45
				700	-	3233	3109	33.8	23.6	137	-	2910	2798	32.6	22.8	128	
				1050	-	4724	4542	34.9	36.6	129	-	4251	4087	33.7	35.4	120	
				1400	1x	6100	5865	35.9	50.2	122	0.09	5492	5278	34.7	48.6	113	
				1750	-	7495	7206	36.8	64.4	116	-	6745	6485	35.6	62.3	108	
				2100	1.5x	8776	8438	37.7	79.1	111	-	7898	7593	36.5	76.7	103	
				2450	-	9987	9603	38.5	94.3	106	-	8988	8641	37.3	91.4	98	
				2800	2x	11129	10700	39.3	110.0	101	0.11	10015	9629	38.1	106.7	94	
				350	-	1783	1733	32.5	11.4	157	-	1604	1557	31.3	11.0	146	
700	-	3445	3349	33.8	23.6	146	-	3100	3009	32.6	22.8	136					
1050	-	5033	3783	34.9	36.6	138	-	4530	3398	33.7	35.4	128					
1400	1x	6510	6319	35.9	50.2	130	0.09	5830	5676	34.7	48.6	120					
1750	-	7987	7764	36.8	64.4	124	-	7187	6975	35.6	62.3	115					
2100	1.5x	9352	9091	37.7	79.1	118	-	8416	8167	36.5	76.7	110					
2450	-	10642	10346	38.5	94.3	113	-	9577	9294	37.3	91.4	105					
2800	2x	11859	11528	39.3	110.0	108	0.11	10672	10356	38.1	106.7	100					
350	-	1920	1815	32.5	11.4	169	-	1728	1615	31.3	11.0	158	DS45				
700	-	3710	3507	33.8	23.6	157	-	3339	3122	32.6	22.8	146					
1050	-	5421	5123	34.9	36.6	148	-	4878	4561	33.7	35.4	138					
1400	1x	7000	6616	35.9	50.2	139	0.09	6229	5890	34.7	48.6	128					
1750	-	8601	8129	36.8	64.4	134	-	7740	7237	35.6	62.3	124					
2100	1.5x	10071	9519	37.7	79.1	127	-	9063	8473	36.5	76.7	118					
2450	-	11461	10832	38.5	94.3	122	-	10314	9643	37.3	91.4	113					
2800	2x	12771	12070	39.3	110.0	116	0.11	11493	10745	38.1	106.7	108					
350	-	2030	1922	32.5	11.4	179	-	1827	1698	31.3	11.0	167		DS45			
700	-	3922	3715	33.8	23.6	166	-	3530	3282	32.6	22.8	155					
1050	-	5730	5428	34.9	36.6	157	-	5157	4795	33.7	35.4	146					
1400	1x	7400	7009	35.9	50.2	147	0.09	6525	6192	34.7	48.6	134					
1750	-	9092	8612	36.8	64.4	141	-	8182	7608	35.6	62.3	131					
2100	1.5x	10647	10084	37.7	79.1	135	-	9581	8908	36.5	76.7	125					
2450	-	12116	11476	38.5	94.3	129	-	10903	10138	37.3	91.4	119					
2800	2x	13501	12787	39.3	110.0	123	0.11	12149	11296	38.1	106.7	114					