

SMD Products

Bridgelux Differentiation

- 25+ years of driving LED industry transformation
- Vertical integration across chip, phosphor and package
- Broad product portfolio including CSPs, SMDs, COBs and modules
- Human centric and dynamic lighting technology leader

Features

- High efficacy and lumens per dollar
- Industry standard form factors and footprints
- 3, 4, and 5 SDCM binning options
- Excellent lumen maintenance
- Thrive™ LEDs closely match natural sunlight, delivering exceptional color quality and supporting human-centric lighting
- F90™ LEDs deliver CRI 90 color quality with equal or better efficacy than traditional CRI 80 LEDs, enabling easy drop-in upgrades



Indoor Lighting -SMD 5050

Product	CRI	PN	CCT Range	If (mA)	Vf (V)	Power (W)	Flux (lm)	LPW	DS #
5050 (BXEP-)	94	181-24B	2700-6500	45	22	1	152	154	DS76
	90	181-24B	2700-6500	45	22	1	159	160	DS76
		1C5-36C	2700-6500	125	35.2	4.4	539	123	DS299
		435-09C	2700-6500	500	8.9	4.5	604	135	DS298
		425-06C	2700 - 6500	750	6.2	5	640	138	DS909
		425-06CZ	1800-6500		6.2	4.6	577	126	DS676
	80	181-24B	2700-6500	45	22	1	175	177	DS76
		1C5-36C	2700-6500	125	35.2	4.4	636	145	DS299
		185-24CZ	1800-6500	160	24.4	3.9	647	166	DS677
		185-24C	2700-6500		24.4	3.9	615	158	DS911
		322-06DEF	2200-6500	350	5.5	1.9	410	213	DS2501
		322-06EEF	2200-6500		5.5	1.9	410	213	DS2502
		435-09C	2700-6500	500	8.9	5	677	152	DS298
		425-06C	2200 - 6500	750	6.2	5	757	163	DS909
		425-06A	2700-6500		6.3	4.6	722	153	DS219
		425-06A	2700-6500		6.3	4.7	708	150	DS219-1
	425-06CZ	1800-6500	6.2		4.6	683	149	DS676	

All measurements are at T_{sp}=25°C. Performance listed for 4000K CCT. Additional electrical configurations and product options are available, please consult your Bridgelux sales representative



Benefits

- Competitive system performance and cost
- Ease of design and rapid go-to-market
- Uniform and consistent white light
- Highly reliable fixture quality

Applications

- Healthcare
- Residential
- Landscape
- Roadway
- Building Exterior
- Office & Education
- Retail & Hospitality
- Industrial & Warehouse
- Area & Parking Lot



SMD Products

Indoor Lighting -SMD 3030, 3535, 4014

Product	CRI	PN	CCT Range	If (mA)	Vf (V)	Power (W)	Flux (lm)	LPW	DS #	
3030 (BXEM-)	90	11L-3DF	2700-6500	65	2.7	0.2	35	199	DS1709	
		21M-3CW	3000	150	2.85	0.4	70	163.7	DS900	
		22H-6D	2700-6500		5.8	1	127	146	DS904	
		12H-6C	2000- 6500		6.1	0.9	124	136	DS297	
		22H-6G	2200-6500	300	5.8	1.8	220	125	DS934	
	80	11L-3DF	2700-6500	65	65	2.7	0.2	41	234	DS1706
		11L-3BF	2700-6500			2.7	0.2	39.5	224	DS1722
		11L-3CF	2700-6500			2.74	0.18	39.5	222	DS1708
		11L-3CFA	2200-6500			2.74	0.18	39.5	222	DS1726
		21L-3FZ	2700-6500			2.72	0.2	37	209	DS948
		21L-3F1Z	2700-6800			2.72	0.2	36	204	DS938
		21L-3CH	2700-6500			2.72	0.2	35.5	201	DS654
		13H-9CS	2700-6500	100	8.9	0.9	154	173	DS656	
		22H-6D	2700 - 6500	150	5.8	1	140	162	DS904	
		12H-6C	2200 - 6500		6.1	0.9	144	158	DS297	
22H-6G	2200-6500	300	6	1.8	259	148	DS934			
3535 (BXEX-)	95	11H-3B1	2700 - 6500	700	2.88	2	286	142	DS895	
		11H-3A1	2700 - 6500		3	2.1	234	112	DS891	
	90	11H-3B1	2700 - 6500	700	2.88	2	330	164	DS894	
		11H-3A1	2700 - 6500		3	2.1	257	122	DS890	
	80	11H-3B1	2700 - 6500	700	2.88	2	370	184	DS893	
		11H-3A1	2700 - 6500		3	2.1	316	150	DS889	
4014 (BXEW-)	90	11L-3C	2700-6500	60	2.85	0.2	26.5	155	DS239	
		11L-3B	3000-6500		2.9	0.2	27	155	DS217	
	80	11L-3D	4000	60	2.8	0.2	33	196	DS915	
		11L-3D	3000		2.8	0.2	31	185	DS915	
		11L-3C	2700-6500		2.85	0.2	30.5	178	DS239	
		11L-3B	3000-6500		2.9	0.2	30.8	177	DS217	
		11M-3CS	2800		100	2.95	0.3	39.4	134	DS217

All measurements are at T_{sp} =25°C. Performance listed for 4000K CCT. Additional electrical configurations and product options are available, please consult your Bridgelux sales representative

SMD Products

Indoor Lighting -SMD 2835 CRI90

Product	CRI	PN	CCT Range	If (mA)	Vf (V)	Power (W)	Flux (lm)	LPW	DS #
SMD 2835 (BXEN-)	90	12H-36A	2500-6500	25	36	1	113	126	DS252
		12H-18A	2700-6500	50	18.1	1	120	133	DS253
		11L-3S	2200-6500	60	2.95	0.2	23	131	DS277
		21L-3FA	1800-6500	65	2.72	0.2	31.9	180	DS1537
		21L-3C4L	2700-6500		2.74	0.2	31	174	DS270-4
		21L-3DHS	2700-6500		2.74	0.2	31	174	DS520-3 (coating)
		21L-3CX	2700-6500		2.74	0.2	30.5	171	DS555-3
		21L-3CS	1800-6500		2.74	0.2	30.5	171	DS555-7 (coating)
		14H-12B	2700-6500	75	12	1	114	127	DS204
		13H-9D	2700-7500	100	8.85	0.9	128	145	DS267-2
		13H-9CN	2600-6500		9.2	0.9	122	133	DS234-1
		13H-9C	2600-6500		9.2	0.9	114	124	DS207
		21M-3D	2700-6500	150	2.85	0.5	69	161	DS246-1
		21M-3C	1800-6500		2.92	0.4	66.3	151	DS544
		21M-3CS	2700-6500		2.92	0.4	66.3	151	DS544-2 (coating)
		21M-3AS	2700-6500		2.95	0.4	64.2	145	DS533
		11M-3C	1800-7500		3	0.5	65	144	DS242
		11M-3S	2200-6500		3.22	0.5	57	118	DS275

All measurements are at T_{sp} = 25°C. Performance listed for 4000K CCT. Additional electrical configurations and product options are available, please consult your Bridgelux sales representative

SMD Products

Indoor Lighting -SMD 2835 CRI80

Product	CRI	PN	CCT Range	If (mA)	Vf (V)	Power (W)	Flux (lm)	LPW	DS #
SMD 2835 (BXEN-)	80	13H-54A	2700-6500	17	53	0.9	135	150	DS254
		21U-3C	2700-6500	20	2.64	0.1	12.1	229	DS989
		21U-3F	2700-6500		2.64	0.05	12.8	242	DS1471
		14H-36D	2700-6500	25	33.6	0.8	158	188	DS552
		21L-3C6	2700-6500	42	2.7	0.2	26.1	220	DS980
		22H-18D	2300-6700	50	16.8	0.8	158	188	DS551
		21L-3C4	2700-6500	60	2.71	0.2	35.3	217	DS270
		21L-3FL	2700-6500	65	2.7	0.2	39.1	223	DS987-10
		21L-3F	2700-6500		2.71	0.2	38.7	220	DS987
		21L-3FS	2700-6500		2.71	0.2	38.3	217	DS987-11 (coating)
		21L-3DA	2200-6500		2.72	0.2	37.5	212	DS520
		21L-3FA	1800-6500		2.72	0.2	37.5	212	DS1537
		21L-3CS	1800-6500		2.74	0.2	35.5	199	DS555-7 (coating)
		14H-12B	2700-6500	75	12	1	130	144	DS204
		12M-6C	2700-6500	80	5.7	0.5	86.5	190	DS265
		13H-9FL	2700-6500	100	8.75	0.9	165	189	DS1112
		13H-9F	2300-6500		8.8	0.9	162	185	DS545
		12M-6A	2700-6500		6.3	0.6	87	138	DS206
		21M-3DA	2700-6500	150	2.85	0.5	81	189	DS246
		21M-3C	1800-6500		2.92	0.4	78	178	DS544
21M-3CS	2700-6500	2.92	0.4		78	178	DS544-2 (coating)		
12H-6B	2700-6500	6.2	0.9		143.5	154	DS554		

All measurements are at $T_{sp}=25^{\circ}\text{C}$. Performance listed for 4000K CCT. Additional electrical configurations and product options are available, please consult your Bridgelux sales representative

SMD Products

Bridgelux Thrive™ and F90™ -SMD 2835, 3030, 5050

Product	CRI	PN	CCT Range	If (mA)	Vf (V)	Power (W)	Flux (lm)	LPW	DS #
2835 (BXEN-)	Thrive 90	11L-3C	2700-6500	60	2.9	0.2	26.5	152	DS534
	Thrive 97	11L-3C	2700-6500		2.9	0.2	24	138	DS311
	Thrive 90	13H-9C	2700-6500	100	9.2	0.9	122	133	DS313
	Thrive 97	13H-9C	2700-7400		9.1	0.9	103	114	DS310
	Thrive 97	11M-3C	2700-6500	150	3.1	0.5	56	119	DS312
3030 (BXEM-)	Thrive 95	13H-9D	6500	150	9.3	1.4	160	115	DS658
	Thrive 95	13H-9D	2700		9.3	1.4	135	97	DS658
3030 (BXFM-)	F90	11L-3DF	2700-6500	65	2.7	0.2	39.5	225	DS1707
		21L-3C	2700-6500		2.72	0.2	35.4	200	DS651
		21L-3CZ	2700-6500		2.72	0.2	35.2	199	DS652
	150	12H-6C	2700-6500	6.15	0.9	141	153	DS660	
		12H-6CZ	2700-6500	6.15	0.9	140.3	152	DS659	
2835 (BXFN-)	F80	21L-3C5	2700-6500	42	2.7	0.1	25.3	223	DS528
	50	22H-18D	2300-7000	50	16.8	0.8	150	179	DS547
		21H-18C	2700-6500		18	0.9	140	156	DS508
		21L-3FL	2700-6500		65	2.7	0.2	37	210
	21L-3C4S	2700-6500	2.7	0.2		35.6	201	DS503-6	
	21L-3C4	2700-6500	2.7	0.2		35	198	DS503	
	21L-3C3	2700-6500	2.75	0.2		34	190	DS517	
	11L-3C3	2700-6500	2.8	0.2		33.7	184	DS502	
	11L-3A	2700-7800	2.9	0.2		33.5	179	DS501	
	100	13H-9F	2200-6700	100	8.8	0.9	141	164	DS507
		13H-9FL	2700-6700		8.8	0.9	162	185	DS1113
		13H-9RC	2700-6500		8.9	0.9	145	164	DS510
		13H-9D	2200-6800		9	0.9	141.5	158	DS506
		13H-9C	2700-6500		9.2	0.9	127	139	DS505
		13H-98	2700-6800		9.3	0.9	125	134	DS504
		12H-6RC	2700-6500		150	6.1	0.9	144	157

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For more information:
bridgelux.com

SMD Products

Outdoor Lighting -SMD 2835, 3030, 3535, 5050 & One Blue LED

Product	CRI	PN	CCT Range	If (mA)	Vf (V)	Power (W)	Flux (lm)	LPW	DS #
2835 (BXEN-)	70	21M-3DA	2700-6500	150	2.9	0.4	86	201	DS246-2
3030 (BXEM-)	70	11L-3DF	2700-6500	65	2.7	0.2	41.5	236	DS1705
		13H-9C	2200-6500	100	8.9	0.9	160	180	DS657
		22H-6D	2700 - 6500	150	5.8	0.9	151	175	DS904
		12H-6C	2200 - 6500		6.1	0.9	150	164	DS297
		22H-6G	2200-6500	300	5.8	1.8	282	161	DS934
3535 (BXEX-)	70	11H-3B1	2700 - 6500	700	2.9	2	412	204	DS892
		11H-3B	2200 - 6500		2.93	2.05	408	199	DS1730
		11H-3A1	2700 - 6500		3	2.1	373	178	DS882
5050 (BXEP-)	70	181-24B	2700-6500	45	22	1	206	208	DS76
		1C5-36C	2700-6500	125	35.2	4.4	706	165	DS299
		185-24C	1800-6500	160	24.4	3.9	702	180	DS677
		185-24C	2700-6500		24.4	3.9	666	171	DS911
		322-06DEF	2200-6500	350	5.5	1.9	442	230	DS2501
		322-06EEF	2200-6500		5.5	1.9	442	230	DS2502
		435-09C	2700-6500	500	8.9	4.5	791	177	DS298
		11H-3B	2200-6500	700	2.9	2.1	400	195	DS1730
		425-06C	2200 - 6500	750	6.2	5	818	176	DS909
		425-06A	2700-6500		6.3	4.6	780	166	DS219
		425-06CZ	1800-6500		6.2	4.7	810	174	DS676
2835 (BXEN-)	/	1M-3A	Blue	150	3.2	0.5	13	26.9	DS285

All measurements are at T_{sp}=25°C. Performance listed for 4000K CCT. Additional electrical configurations and product options are available, please consult your Bridgelux sales representative