

# 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

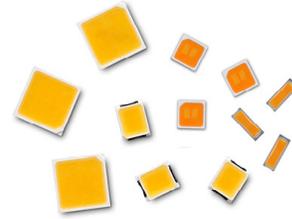
- High efficacy and lumens per dollar
- Industry standard form factors and footprints
- 3, 4, and 5 SDCM binning options
- Excellent lumen maintenance
- Thrive™ LEDs closely match natural sunlight, delivering exceptional color quality and supporting human-centric lighting
- F90™ LEDs deliver CRI 90 color 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	<a href="#">DS76</a>
	90	181-24B	2700-6500	45	22	1	159	160	<a href="#">DS76</a>
		1C5-36C	2700-6500	125	35.7	4.5	604	135	<a href="#">DS299</a>
		435-09C	2700-6500	500	8.9	4.5	604	135	<a href="#">DS298</a>
		425-06C	2700 - 6500	750	6.2	5	640	138	<a href="#">DS909</a>
		425-06CZ	1800-6500		6.2	4.6	577	126	<a href="#">DS676</a>
	80	181-24B	2700-6500	45	22	1	175	177	<a href="#">DS76</a>
		1C5-36C	2700-6500	125	35.7	5	677	152	<a href="#">DS299</a>
		185-24CZ	1800-6500	160	24.4	3.9	647	166	<a href="#">DS677</a>
		185-24C	2700-6500		24.4	3.9	615	158	<a href="#">DS911</a>
		322-06DEF	2200-6500	350	5.5	1.9	410	213	<a href="#">DS2501</a>
		322-06EEF	2200-6500		5.5	1.9	410	213	<a href="#">DS2502</a>
		435-09C	2700-6500	500	8.9	5	677	152	<a href="#">DS298</a>
		425-06C	2200 - 6500	750	6.2	5	757	163	<a href="#">DS909</a>
		425-06A	2700-6500		6.3	4.6	722	153	<a href="#">DS219</a>
		425-06A	2700-6500		6.3	4.7	708	150	<a href="#">DS219-1</a>
	425-06CZ	1800-6500	6.2		4.6	683	149	<a href="#">DS676</a>	

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

All measurements are at T<sub>sp</sub> = 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 #	
<b>SMD 2835 (BXEN-)</b>	90	12H-36A	2500-6500	25	36	1	113	126	<a href="#">DS252</a>	
		12H-18A	2700-6500	50	18.1	1	120	133	<a href="#">DS253</a>	
		11L-3S	2200-6500	60	2.95	0.2	23	131	<a href="#">DS277</a>	
		21L-3FA	1800-6500	65	2.72	0.2	31.9	180	<a href="#">DS1537</a>	
		21L-3C4L	2700-6500		2.74	0.2	31	174	<a href="#">DS270-4</a>	
		21L-3DHS	2700-6500		2.74	0.2	31	174	<a href="#">DS520-3 (coating)</a>	
		21L-3CX	2700-6500		2.74	0.2	30.5	171	<a href="#">DS555-3</a>	
		21L-3CS	1800-6500		2.74	0.2	30.5	171	<a href="#">DS555-7 (coating)</a>	
		14H-12B	2700-6500		75	12	1	114	127	<a href="#">DS204</a>
		13H-9D	2700-7500		100	8.85	0.9	128	145	<a href="#">DS267-2</a>
		13H-9CN	2600-6500	9.2		0.9	122	133	<a href="#">DS234-1</a>	
		13H-9C	2600-6500	9.2		0.9	114	124	<a href="#">DS207</a>	
		21M-3D	2700-6500	150	2.85	0.5	69	161	<a href="#">DS246-1</a>	
		21M-3C	1800-6500		2.92	0.4	66.3	151	<a href="#">DS544</a>	
		21M-3CS	2700-6500		2.92	0.4	66.3	151	<a href="#">DS544-2 (coating)</a>	
		21M-3AS	2700-6500		2.95	0.4	64.2	145	<a href="#">DS533</a>	
		11M-3C	1800-7500		3	0.5	65	144	<a href="#">DS242</a>	
		11M-3S	2200-6500		3.22	0.5	57	118	<a href="#">DS275</a>	

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# SMD Products

## Indoor Lighting -SMD 2835 CRI80

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

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

Product	CRI	PN	CCT Range	If (mA)	Vf (V)	Power (W)	Flux (lm)	LPW	DS #
<b>2835 (BXEN-)</b>	Thrive 90	11L-3C	2700-6500	60	2.9	0.2	26.5	152	<a href="#">DS534</a>
	Thrive 97	11L-3C	2700-6500		2.9	0.2	24	138	<a href="#">DS311</a>
	Thrive 90	13H-9C	2700-6500	100	9.2	0.9	122	133	<a href="#">DS313</a>
	Thrive 97	13H-9C	2700-7400		9.1	0.9	103	114	<a href="#">DS310</a>
	Thrive 97	11M-3C	2700-6500	150	3.1	0.5	56	119	<a href="#">DS312</a>
<b>3030 (BXEM-)</b>	Thrive 95	13H-9D	6500	150	9.3	1.4	160	115	<a href="#">DS658</a>
	Thrive 95	13H-9D	2700		9.3	1.4	135	97	<a href="#">DS658</a>
<b>2835 (BXFN-)</b>	F80	21L-3C5	2700-6500	42	2.7	0.1	25.3	223	<a href="#">DS528</a>
	F90	22H-18D	2300-7000	50	16.8	0.8	150	179	<a href="#">DS547</a>
		21H-18C	2700-6500		18	0.9	140	156	<a href="#">DS508</a>
		21L-3FL	2700-6500	65	2.7	0.2	37	210	<a href="#">DS1480</a>
		21L-3C4S	2700-6500		2.7	0.2	35.6	201	<a href="#">DS503-6</a>
		21L-3C4	2700-6500		2.7	0.2	35	198	<a href="#">DS503</a>
		21L-3C3	2700-6500		2.75	0.2	34	190	<a href="#">DS517</a>
		11L-3C3	2700-6500		2.8	0.2	33.7	184	<a href="#">DS502</a>
		11L-3A	2700-7800		2.9	0.2	33.5	179	<a href="#">DS501</a>
		13H-9F	2200-6700		100	8.8	0.9	141	164
		13H-9FL	2700-6700	8.8		0.9	162	185	<a href="#">DS1113</a>
		13H-9RC	2700-6500	8.9		0.9	145	164	<a href="#">DS510</a>
		13H-9D	2200-6800	9		0.9	141.5	158	<a href="#">DS506</a>
		13H-9C	2700-6500	9.2		0.9	127	139	<a href="#">DS505</a>
		13H-98	2700-6800	9.3		0.9	125	134	<a href="#">DS504</a>
		12H-6RC	2700-6500	150		6.1	0.9	144	157

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

## 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 #
<b>2835 (BXEN-)</b>	70	21M-3DA	2700-6500	150	2.9	0.4	86	201	<a href="#">DS246-2</a>
<b>3030 (BXEM-)</b>	70	11L-3DF	2700-6500	65	2.7	0.2	41.5	236	<a href="#">DS1705</a>
		13H-9C	2200-6500	100	8.9	0.9	160	180	<a href="#">DS657</a>
		22H-6D	2700 - 6500	150	5.8	0.9	151	175	<a href="#">DS904</a>
		12H-6C	2200 - 6500		6.1	0.9	150	164	<a href="#">DS297</a>
		22H-6G	2200-6500	300	5.8	1.8	282	161	<a href="#">DS934</a>
<b>3535 (BXEX-)</b>	70	11H-3B1	2700 - 6500	700	2.9	2	412	204	<a href="#">DS892</a>
		11H-3B	2200 - 6500		2.93	2.05	408	199	<a href="#">DS1730</a>
		11H-3A1	2700 - 6500		3	2.1	373	178	<a href="#">DS882</a>
<b>5050 (BXEP-)</b>	70	181-24B	2700-6500	45	22	1	206	208	<a href="#">DS76</a>
		1C5-36C	2700-6500	125	35.7	4.5	791	177	<a href="#">DS299</a>
		185-24C	1800-6500	160	24.4	3.9	702	180	<a href="#">DS677</a>
		185-24C	2700-6500		24.4	3.9	666	171	<a href="#">DS911</a>
		322-06DEF	2200-6500	350	5.5	1.9	442	230	<a href="#">DS2501</a>
		322-06EEF	2200-6500		5.5	1.9	442	230	<a href="#">DS2502</a>
		435-09C	2700-6500	500	8.9	4.5	791	177	<a href="#">DS298</a>
		11H-3B	2200-6500	700	2.9	2.1	400	195	<a href="#">DS1730</a>
		425-06C	2200 - 6500	750	6.2	5	818	176	<a href="#">DS909</a>
		425-06A	2700-6500		6.3	4.6	780	166	<a href="#">DS219</a>
		425-06CZ	1800-6500		6.2	4.7	810	174	<a href="#">DS676</a>
<b>2835 (BXEN-)</b>	/	1M-3A	Blue	150	3.2	0.5	13	26.9	<a href="#">DS285</a>

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