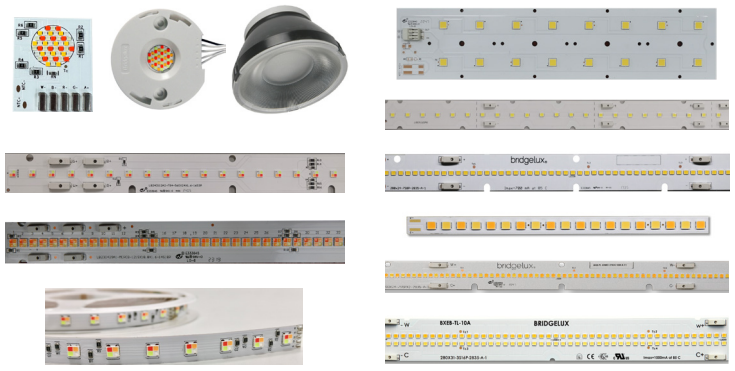
EB Series™ Modules

Bridgelux Differentiation

- It's in our DNA to solve customers' problems
- 25+ years of driving LED industry transformation
- Human centric and dynamic lighting technology leader
- Vertical integration across chip, phosphor and package
- Fully customizable platforms, including board shapes, LED layouts, and color points

Features & Benefits

- SMD and CSP based linear, square and round modules for cost effective lighting applications
- High efficacy of up to 220 lm/W (nominal), 3 SDCM
- Available in CRI80, CRI90, CRI95, and Thrive (CRI98 full spectrum) from 1800K up to 10,000K
- Static, tunable white along BBL, and color change options
- One replace 5 packages (RGB+WC) RGBW strip light with compatible efficacy and lumens
- Zhaga compliant 2x6 & 2x8 high efficiency modules for use with standard lens and suitable for harsh outdoor condition
- Drop-in replacement for 2x2 panel lights and 2x4 troffers
- Slim in-line (6mm width) for use in edge-lit systems
- All linear modules capable of 2x current overdrive
- Customized solutions are available per customer request



Product	Width (mm)	Length (mm)	CCT range	CRI	Part Number (BXRV-/BXEB-)	Nom. If (mA)	Typ. Vf (V)	Power (W)	Typ. Flux (lm)	Efficacy (lm/w)	Data-sheet
RGBW D10 COB	LES 10mm		18k0K	95	D10-RGBW2000-B3	670	20	13	1645	125	DS591
RGBW D13 COB	LES 13mm		18k0K	95	D13-RGBW3000-B3	670	32	22	2709	122	DS592
RGBW Linear	24	280	2265K	95	L0280-RGBW1000-122-A3	300	32	10	1532	158	DS3109
		560			L0560-RGBW3000-124-A3	600	32	22	3063	158	
		1120			L1120-RGBW6000-128-A3	1200	32	39	6126	159	
3CCT Linear Thrive	24	560	2765K	97	L0560-3CCTS3000-163-A3	450	46	21	2696	130	DS584
		1120			L1120-3CCTS6000-166-A3	900	46	41	5391	130	
RGBW Strip	10	1000 (2.19") (cut)	1865K	95	ST10-RGBW1000-07J-A3	/	24	9.6	999	105	DS585
					ST10-RGBW2000-07J-A3	/	24	16.4	1593	97	
F90 Strip	5,6,8		2765K	95	S24x-AxxGxxxx3-A01	/	24	9.7	1260	130	DS3502
WCOB Strip	8, 10		2765K	90	SW24A-E40G836E5-A01	/	24	14	1960	140	DS3500
CC Strip	8	304.8	2765K	80	S368-7xxE412J3-A001	200	32	6.5	1274	199	DS3510
SMD5050 Zhaga EB (2x6, 2x8)	45	146	2765K	70	L0146Z-40C4000-062-A3	400	32	13	2818	220	DS3123
	50	223			L0223Z-40C3000-082-A3	400	43	17	3757	220	

All measurements are at T_c=25°C.
"40C" stand for "4000K CRI 70". "1865K, 18k0, 2265k, 2765k" stand for tunable white "1800K-6500K, 1800K-10,000K, 2200K-6500K, 2700-6500k".
The listed flux and efficacy of RGBW series and Triple CCT EB are the example at CCT 4000K.
For more performance at each color point, please refer to the corresponding datasheet.

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For more information:
bridgelux.com/products/eb-series

EB Series™ Modules

Product (Linear EB)	Width (mm)	Length (mm)	CCT range (K)	CRI	Part Number (BXEB-)	Nom. If (mA)	Typ. Vf (V)	Power (W)	Typ. Flux (lm)	Efficacy (lm/w)	Datasheet
F90 Cuttable	24	1120	2765K	90	F90-L1120-40G4000-08C-H1	956	24	23	4011	177	DS532
					F90-L1120-40G4000-08C-H2	956	23	22	4151	190	
1" Breakable	24	1120	2765K	80, 90	L1206-40E5000-0448-D3	716	32	23	5040	218	DS3121
					L1206-40G4000-0448-D3	716	33	24	4184	177	
F90 1" Cut	20	1206	2765K	90	F90-L1206-40G4000-0448-A3	716	33	24	4184	177	DS537
Gen 4 HE	24	280	2765K	80, 90	L0280F-40E2000-E6-3	240	38	9	1968	219	DS530
		560			L0560F-40E4000-EC-3	480	38	18	3936	219	
		1120			L1120F-40E8000-JJ-3	720	48	35	7591	219	
Gen 3 F90	20	140	2750K	90	L0140F-40G0500-H-C3	77	38	3	574	196	DS142
		280			L0280F-40G1000-H-C3	154	38	6	1149	196	
		560			L0560F-40G2000-H-C3	308	38	12	2299	196	
		1120			L1120F-40G4000-H-C3	616	38	23	4598	196	
Gen 3 Thrive	24	280	2765K	98	L0280Z-40S1000-C-C3	350	20	7	1010	145	DS133
		560			L0560Z-40S2000-C-C3	700	20	14	2020	145	
		1120			L1120Z-40S4000-C-C3	700	40	28	4040	145	
Gen 3 High Output	24	280	2765K	80, 90	L0280Z-40E2000-C-D3	700	19	13	2610	194	DS134
		560			L0560Z-40E4000-C-D3	1400	19	27	5220	194	
		1120			L1120Z-40E8000-C-D3	1400	38	54	10440	194	
Edge	6	570	3050K	80, 90	L0570A-40E3000-E-C3	700	24	16	2885	175	DS135
		570			L0570A-40G3000-E-C3	700	24	16	2485	151	
Slim Gen 3	12.7	340	2750K	80, 90	L0340U-40E0750-C-C3	700	11	8	1530	201	DS171
		590			L0590U-40E1500-C-C3	700	19	13	2675	200	
		1190			L1190U-40E3000-C-C3	700	38	27	5350	200	
Vesta Edge	6	570	2750K	90	TL-L0570A-2750G2000-E-A3	600	35	21	2730	132	DS157
Vesta Tunable Gen 3, 1 Row	24	280	1830K 1840K 2750K 2765K	80, 90	TL-L0280Z-2750E1000-B-C3	375	20	7	1362	184	DS136
		560			TL-L0560Z-2750E2000-B-C3	750	20	15	2723	184	
		1120			TL-L1120Z-2750E4000-B-C3	750	39	30	5447	184	

All measurements are at T_c=25°C.
"40E, 40G and 40S" stand for "4000K CRI 80, 90 and 98".
"1830, 1840, 2750, 2765 and 3050K" stand for tunable white "1800K-3000K, 1800K-4000K, 2700K-5000K, 2700K-6500K and 3000-5000K".
For more performance at each color point, please refer to the corresponding datasheet.

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