

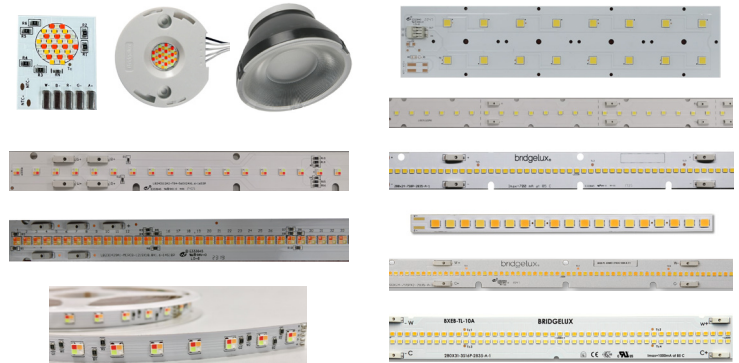
# EB Series™ Modules

## 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    | Length            | CCT range | CRI | Part Number (BXRV-/BXEB-) | Nom. If (mA) | Typ. Vf (V) | Power (W) | Typ. Flux (lm) | Efficacy (lm/w) | Data-sheet             |
|-----------------------------|----------|-------------------|-----------|-----|---------------------------|--------------|-------------|-----------|----------------|-----------------|------------------------|
|                             | (mm)     | (mm)              |           |     |                           |              |             |           |                |                 |                        |
| RGBW D10 COB                | LES 10mm |                   | 18koK     | 95  | D10-RGBW2000-B3           | 670          | 20          | 13        | 1645           | 125             | <a href="#">DS591</a>  |
| RGBW D13 COB                | LES 13mm |                   | 18koK     | 95  | D13-RGBW3000-B3           | 670          | 32          | 22        | 2709           | 122             | <a href="#">DS592</a>  |
| RGBW Linear                 | 24       | 280               | 2265K     | 95  | L0280-RGBW1000-122-A3     | 300          | 32          | 10        | 1532           | 158             | <a href="#">DS3109</a> |
|                             |          | 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             | <a href="#">DS584</a>  |
|                             |          | 1120              |           |     | L1120-3CCTS6000-166-A3    | 900          | 46          | 41        | 5391           | 130             |                        |
| RGBW Strip                  | 10       | 100 (2.19") (cut) | 1865K     | 95  | ST10-RGBW1000-07J-A3      | /            | 24          | 9.6       | 999            | 105             | <a href="#">DS585</a>  |
|                             |          |                   | 1865K     | 95  | ST10-RGBW2000-07J-A3      | /            | 24          | 16.4      | 1593           | 97              |                        |
| 3CCT Strip                  | 10       |                   | 1865K     | 95  | ST10-3CCT2000-07J-C3      | /            | 24          | 13        | 1244           | 96              | DS603                  |
| WCOB Strip                  | 8, 10    |                   | 2765K     | 90  | SW24A-E40G836E5-A01       | /            | 24          | 14        | 1960           | 140             | <a href="#">DS3500</a> |
| SMD5050 Zhaga EB (2x6, 2x8) | 45       | 146               | 2765K     | 70  | L0146Z-40C4000-062-A3     | 400          | 32          | 13        | 2818           | 220             | <a href="#">DS533</a>  |
|                             | 50       | 223               |           |     | L0223Z-40C3000-082-A3     | 400          | 43          | 17        | 3757           | 220             |                        |

All measurements are at T<sub>a</sub> = 25°C.

\*40C stand for \*4000K CRI 70. \*1865K, 18ko, 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.

# EB Series™ Modules

| Product<br>(Linear EB) | Width | Length | CCT<br>range (K) | CRI       | Part Number<br>(BXEB-)    | Nom. If<br>(mA) | Typ. Vf | Power<br>(W) | Typ. Flux<br>(lm) | Efficacy<br>(lm/w) | Datasheet              |
|------------------------|-------|--------|------------------|-----------|---------------------------|-----------------|---------|--------------|-------------------|--------------------|------------------------|
|                        | (mm)  | (mm)   |                  |           |                           |                 | (V)     |              |                   |                    |                        |
| F90<br>Cutttable       | 24    | 1120   | 2765K            | 90        | F90-L1120-40G4000-08C-H1  | 956             | 24      | 23           | 4011              | 177                | <a href="#">DS532</a>  |
|                        |       |        |                  |           | F90-L1120-40G4000-08C-H2  | 956             | 23      | 22           | 4151              | 190                |                        |
| 1" Breakable           | 24    | 1120   | 2765K            | 80,<br>90 | L1206-40E5000-0448-D3     | 716             | 32      | 23           | 5040              | 218                | <a href="#">DS3121</a> |
|                        |       |        |                  |           | 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                | <a href="#">DS537</a>  |
| Gen 4 HE               | 24    | 280    | 2765K            | 80,<br>90 | L0280F-40E2000-E6-3       | 240             | 38      | 9            | 1968              | 219                | <a href="#">DS530</a>  |
|                        |       | 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                | <a href="#">DS142</a>  |
|                        |       | 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                | <a href="#">DS133</a>  |
|                        |       | 560    |                  |           | L0560Z-40S2000-C-C3       | 700             | 20      | 14           | 2020              | 145                |                        |
|                        |       | 1120   |                  |           | L1120Z-40S4000-C-C3       | 700             | 40      | 28           | 4040              | 145                |                        |
| Gen 3 High<br>Output   | 24    | 280    | 2765K            | 80,<br>90 | L0280Z-40E2000-C-D3       | 700             | 19      | 13           | 2610              | 194                | <a href="#">DS134</a>  |
|                        |       | 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,<br>90 | L0570A-40E3000-E-C3       | 700             | 24      | 16           | 2885              | 175                | <a href="#">DS135</a>  |
|                        |       | 570    |                  |           | L0570A-40G3000-E-C3       | 700             | 24      | 16           | 2485              | 151                |                        |
| Slim Gen 3             | 12.7  | 340    | 2750K            | 80,<br>90 | L0340U-40E0750-C-C3       | 700             | 11      | 8            | 1530              | 201                | <a href="#">DS171</a>  |
|                        |       | 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                | <a href="#">DS157</a>  |

All measurements are at T<sub>c</sub>=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.