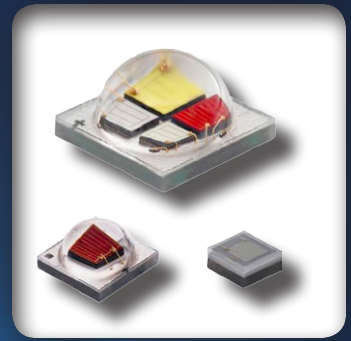
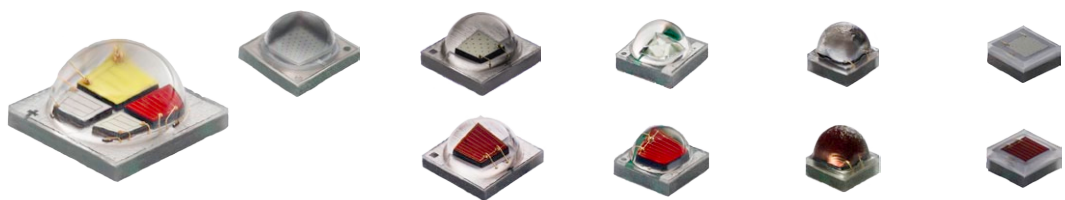


# CREE® XLAMP® LED COLOR PORTFOLIO

- Largest portfolio of color High-Power LEDs
- Leading performance for all major color-lighting applications
- Industry's best options for small optical source sizes



## Product Selector Table



| XLamp          |              | XM-L | XP-G3 | XP-E2 | XB-D | XQ-E HD | XQ-E HI |
|----------------|--------------|------|-------|-------|------|---------|---------|
| Footprint (mm) |              | 5.00 | 3.45  |       | 2.45 | 1.60    |         |
| Max Power (W)  |              | 13   | 6     | 3     | 3    | 3       | 3       |
| Royal Blue     | 450 - 465 nm |      | ●     | ●     | ●    | ●       | ●       |
| Blue           | 465 - 485 nm |      |       | ●     | ●    | ●       | ●       |
| PC Blue        |              |      |       |       |      |         | ●       |
| Green          | 520 - 535 nm |      |       | ●     | ●    | ●       | ●       |
| Amber          | 585 - 595 nm |      |       | ●     | ●    |         |         |
| PC Amber       |              |      |       | ●     | ●    | ●       | ●       |
| Red-Orange     | 610 - 620 nm |      |       | ●     | ●    | ●       | ●       |
| Red            | 620 - 630 nm |      |       | ●     | ●    | ●       | ●       |
| Photo Red      | 650 - 670 nm |      |       | ●     |      | ●       |         |
| Far Red        | 720 - 740 nm |      |       | ●     |      |         |         |
| RGBW           |              | ●    |       |       |      |         |         |
| White          | 70 CRI       |      | ●     | ●     | ●    | ●       | ●       |
|                | 80 CRI       |      | ●     | ●     | ●    | ●       | ●       |
|                | 90 CRI       |      | ●     | ●     |      | ●       | ●       |

## Applications

### Specialty

- Architectural
- Entertainment
- Stage
- Horticulture

### Transportation

- Emergency Vehicle
- Tractor-Trailer
- Off-Road



## Available Minimum Flux Bins (350 mA, Tj = 25°C)

| XLamp                             | XP-G3                      | XP-E2                                | XB-D                                 | XQ-E HD                               | XQ-E HI                               |
|-----------------------------------|----------------------------|--------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|
| <b>Royal Blue</b><br>450 - 465 nm | 730 mW<br>680 mW<br>635 mW | 650 mW<br>625 mW<br>600 mW           | 600 mW<br>575 mW<br>550 mW           | 625 mW<br>600 mW<br>575 mW<br>550 mW  | 575 mW<br>550 mW<br>525 mW            |
| <b>Blue</b><br>465 - 485 nm       |                            | 45.7 lm<br>39.8 lm<br>35.2 lm        | 39.8 lm<br>35.2 lm<br>30.6 lm        | 45.7 lm<br>39.8 lm<br>35.2 lm         | 39.8 lm<br>35.2 lm                    |
| <b>PC Blue</b>                    |                            |                                      |                                      |                                       | 51.7 lm<br>45.7 lm                    |
| <b>Green</b><br>520 - 535 nm      |                            | 130 lm<br>122 lm<br>114 lm<br>107 lm | 122 lm<br>114 lm<br>107 lm<br>100 lm | 114 lm<br>107 lm<br>100 lm<br>93.9 lm | 114 lm<br>107 lm<br>100 lm<br>93.9 lm |
| <b>Amber</b><br>585 - 595 nm      |                            | 87.4 lm<br>80.6 lm<br>73.9 lm        | 80.6 lm<br>73.9 lm<br>67.2 lm        |                                       |                                       |
| <b>PC Amber</b>                   |                            | 107 lm<br>100 lm<br>93.9 lm          | 100 lm<br>93.9 lm<br>87.4 lm         | 80.6 lm<br>73.9 lm                    | 73.9 lm<br>67.2 lm                    |
| <b>Red-Orange</b><br>610 - 620 nm |                            | 107 lm<br>100 lm<br>93.9 lm          | 107 lm<br>100 lm<br>93.9 lm          | 93.9 lm<br>87.4 lm<br>80.6 lm         | 73.9 lm<br>67.2 lm                    |
| <b>Red</b><br>620 - 630 nm        |                            | 80.6 lm<br>73.9 lm<br>67.2 lm        | 73.9 lm<br>67.2 lm<br>62.0 lm        | 73.9 lm<br>67.2 lm<br>62.0 lm         | 56.8 lm<br>51.7 lm<br>45.7 lm         |
| <b>Photo Red</b><br>650 - 670 nm  |                            | 450 mW<br>425 mW                     |                                      | 400 mW<br>375 mW                      |                                       |
| <b>Far Red</b><br>720 - 740 nm    |                            | 375 mW<br>350 mW<br>300 mW<br>275 mW |                                      |                                       |                                       |