

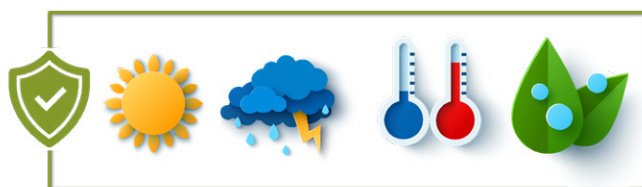
# HIGH BRIGHTNESS LEDs

- Benchmark-setting technology for large-format displays, digital signage and video screens used in sporting events, concerts and commercial installations
- Patented innovation: waterproofing, high-contrast, tilted viewing angles
- Backed by an excellent global intellectual property portfolio

December 2025 (FS07R19)









## RESILIENT-RATED SMD MULTI-COLOR LEDs FOR SIGNS & SCREENS

- Only Cree LED's Resilient-Rated LEDs are tested for high reliability in all environments and operating conditions
- IEC 60529 IP66 & IP68 rated: no restrictions on power washing
- Comprehensive UV, heat & humidity testing that gives you confidence in the hottest of hots to the coldest of colds
- Low UV discoloration over time






Pixel Pitch		LED	Footprint (mm)	Beam Angle	Bin Currents (mA)	Green Typ. Intensity (mcd)
~2 mm		CLMWB-FKA	1.6 x 1.7	120°	15 / 10 / 10	640
		CLMWB-FKC	1.6 x 1.7	120°	15 / 10 / 10	1,030
3-6 mm		CLMXB-FKA	2.19 x 1.8	110°	15 / 10 / 10	565
		CLMXB-FKC	2.19 x 1.85	110°	15 / 10 / 10	1,200
		CLMXC-FKC	2.15 x 2.05	110°	15 / 10 / 10	1,230
6-10 mm		CV28D-FCC	2.8 x 2.8	30°	15 / 10 / 10	2,000
		CLY6C-FKC	2.8 x 2.8	120°	15 / 10 / 10	900
		CLY6H-FKC	2.8 x 2.8	120°	15 / 10 / 10	1,290
		CLY6G-FKC	2.8 x 2.8	120°	15 / 10 / 10	1,350
		CLY6D-FKC	2.8 x 2.8	120°	15 / 10 / 10	1,350
10+ mm		CLX6F-FKC	3.5 x 3.4	120°	15 / 10 / 10	1,350
		CLX6E-FKC	3.5 x 3.4	120°	15 / 10 / 10	1,100
		CV94A-FGC	9.4 x 4.2	90°/45°	15 / 10 / 10	2,800
		CV94U-FGC	9.4 x 4.2	90°/45°/-8°	15 / 10 / 10	2,800
		CV94D-FCC	9.4 x 4.2	30°	20 / 20 / 20	12,000
		CV94D-FPC	9.4 x 4.2	30° min	20 / 20 / 20	8,400

## SMD MULTI-COLOR LEDs FOR INDOOR SIGNS &amp; SCREENS

	LED	Footprint (mm)	Color	Bin Currents (mA)	Green Typ. Intensity (mcd)
	UHD111A-FKA	1.0 x 1.0	RGB	5 / 5 / 5	60
	CLMUD-FKA	1.5 x 1.5	RGB	5 / 5 / 5	180
	CLMUD-FKC	1.5 x 1.5	RGB	15 / 10 / 10	750
	CLMVC-FKA	2.0 x 2.0	RGB	5 / 5 / 5	225
	CLMVC-FKC	2.0 x 2.0	RGB	15 / 10 / 10	650
	CLMVH-FKA	2.1 x 2.1	RGB	8 / 5 / 3	180
	CLMVH-FKC	2.1 x 2.1	RGB	8 / 5 / 3	400
	CLV1A-FKB	3.2 x 2.8	RGB	20 / 20 / 20	1,450
	CLV1H-FKB	3.2 x 2.8	RGB	20 / 20 / 20	2,400
	CLV1L-FKB	3.2 x 2.8	RGB	20 / 15 / 15	1,250

## SMD MULTI-COLOR LEDs FOR LIGHTING &amp; GAMING

	LED	Footprint (mm)	Color	Bin Currents (mA)	Typ. Output by Color
 -xKW -xKC	CLW6A-TKW	3.5 x 3.5	RGB+White	20	3.4 / 6.8 / 1.5 / 5.9 lm
	CLW6A-YKW	3.5 x 3.5	RGB+Amber	20	3.4 / 6.8 / 1.5 / 5.0 lm
	CLW6A-MKW	3.5 x 3.5	RGB+Mint	20	3.4 / 6.8 / 1.5 / 7.0 lm
	CLW6A-TKC	3.5 x 3.5	RGB+White	20	3.4 / 6.8 / 1.5 / 5.9 lm
	CLR6A-TKW	3.8 x 3.8	RGB+White	50	7.5 / 15.5 / 3.3 / 14 lm
	CLQ6A-FKW	5.2 x 5.0	RGB	100	4,500 / 12,000 / 3,000 mcd
	CLQ6A-YKW	5.2 x 5.0	RGB+Amber	100	4,500 / 10,400 / 3,000 / 6,300 mcd
	CLQ6C-TKW	5.2 x 5.0	RGB+White	100	4,500 / 10,400 / 3,000 / 11,000 mcd
	CLQ6B-TKW	5.2 x 5.0	RGB+White	100	4,700 / 12,000 / 3,400 / 15,000 mcd
	CLS6C-FKW	4.7 x 1.5	RGB	20	900 / 2,100 / 460 mcd
	QLS6x-FKW	4.7 x 1.5	RGB	12 - 20	---

## SMD SINGLE WHITE &amp; COLOR LEDs

Series	Footprint (mm)	Style	Beam Angles	Colors
CLAx	3.2 x 2.8	PLCC4	120°	● ● ● ● ● ● ● ●
CLM1	3.2 x 2.8	PLCC2	120°	● ● ● ● ● ● ● ●
CLM2	3.2 x 2.8	PLCC4	30°-60°	● ● ● ● ● ● ● ●
CLM3	2.7 x 2.0	PLCC2	120°	● ● ● ● ● ● ● ●
CLM4	3.2 x 2.7	PLCC4	120°	● ● ● ● ● ● ● ●
CLX6	3.5 x 3.4	PLCC6	110°-120°	● ● ● ● ● ● ● ●

## THROUGH-HOLE LEDs

Type	Beam Angles	Colors
P2 5 mm	15°, 25°, 30°	● ● ● ● ● ● ● ●
	20°, 25°, 55°, 110°	● ● ● ● ● ● ● ●
	70/35°, 100/40°	● ● ● ● ● ● ● ●
P2 4 mm	90/45°	● ● ● ● ● ● ● ●
	105/50°	● ● ● ● ● ● ● ●
	115/65°	● ● ● ● ● ● ● ●
P4	40°, 70°, 100°	● ● ● ● ● ● ● ●
	60°, 90°	● ● ● ● ● ● ● ●