














HIGH BRIGHTNESS LEDs






- Brightest, most reliable architectural, video, signage and specialty LEDs available
- Industry-leading innovation in each application area
- Broad range of footprints and performance options in single and multi-color packages
- Responsive, proven track record in large high-profile projects

November 2023 (FS07R11)

SMD MULTI-COLOR LEDs FOR SIGNS & SCREENS

IP Rating		LED	Footprint (mm)	Beam Angle	Binning Current by Color (mA)	Green Typ. Intensity (mcd)
---		UHD111A-FKA	1.0 x 1.0	120°	5 / 5 / 5	60
		UHD1110-FKA	1.0 x 1.0	120°	5 / 5 / 5	106
		CLMUD-FKA	1.5 x 1.5	110°	5 / 5 / 5	180
		CLMUD-FKC	1.5 x 1.5	110°	15 / 10 / 10	750
		CLMVC-FKA	2.0 x 2.0	110°	5 / 5 / 5	225
		CLMVC-FKC	2.0 x 2.0	110°	15 / 10 / 10	650
		CLV1A-FKB	3.2 x 2.8	120°	20 / 20 / 20	1,450
		CLV1H-FKB	3.2 x 2.8	120°	20 / 20 / 20	2,400
		CLV1L-FKB	3.2 x 2.8	120°	20 / 15 / 15	1,250
		CLV6F-FKB	5.5 x 5.5	120°	20 / 20 / 20	2,600
IPx8		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
		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
		CLY6C-FKC	2.8 x 2.8	120°	15 / 10 / 10	900
		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
		CLX6E-FKC	3.5 x 3.4	120°	15 / 10 / 10	950
		CLX6F-FKC	3.5 x 3.4	120°	15 / 10 / 10	1,350
		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°	15 / 10 / 10	12,000	

SMD MULTI-COLOR LEDs FOR LIGHTING & GAMING

	LED	Footprint (mm)	Color	Binning Current per Color (mA)	Output Unit	Typ. Output by Color
	CLW6A-TKW	3.5 x 3.5	RGBW	20	lm	3.4 / 6.8 / 1.5 / 5.9
	CLW6A-YKW	3.5 x 3.5	RGBA	20	lm	3.4 / 6.8 / 1.5 / 5.0
	CLR6A-TKW	3.8 x 3.8	RGBW	50	lm	7.5 / 15.5 / 3.3 / 14
	CLQ6A-FKW	5.2 x 5.0	RGB	100	mcd	4,500 / 12,000 / 3,000
	CLQ6A-YKW	5.2 x 5.0	RGBA	100	mcd	4,500 / 10,400 / 3,000 / 6,300
	CLQ6C-TKW	5.2 x 5.0	RGBW	100	mcd	4,500 / 10,400 / 3,000 / 11,000
	CLQ6B-TKW	5.2 x 5.0	RGBW	100	mcd	4,700 / 12,000 / 3,400 / 15,000
	CLS6B-FKW	4.7 x 1.5	RGB	20	mcd	770 / 1,500 / 350
	QLS6x-FKW	4.7 x 1.5	RGB	12 - 20	mcd	---

SMD SINGLE COLOR & WHITE LEDs

Series	Footprint (mm)	Style	Beam Angles	Blue	Cyan	Green	Amber	Orange	Red	Cool White	Warm White
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°	●		●	●	●	●		
CLP6	6.0 x 5.0	PLCC6	120°				●		●	●	●
CLX6	3.5 x 3.4	PLCC6	110°-120°	●		●	●		●	●	

THROUGH-HOLE LEDs

Type	Beam Angles	Blue	Green	Amber	Red	Cool White	Warm White
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°					●	