



**BUILT FOR
DISPLAY EXCELLENCE**

Kinglight[®]

RGB LED (2023)

About us

Shenzhen Kinglight was founded in 2008, as a national high-tech enterprises specializing in R & D, production, sales of LED display packaging products. After rapid development in the last decade with core advantage of technology, quality, management, service and other aspects, Kinglight Optoelectronics has become a well-known enterprises in China LED display packaging industry.

Kinglight constantly explores new technologies of excellence display. Since its establishment, the company has always attached great importance to technology r&d and innovation, and established the industry's leading technology r&d center, which is a Shenzhen sub-millimeter light source device engineering laboratory and an open research and development base of baoan district, shenzhen. The company has established a leading and rigorous quality evaluation system in the industry, and the products have passed certifications of ISO9001 quality management system, ISO14001 environmental management system, and TS16949 quality management system. King light photoelectronics has been awarded several national leading brand, industry top ten packaging brand, Guangdong province integrity model unit and other honorary titles.

Kinglight keeps constantly leading the high-end display trending. Kinglight Focuses on product and technology innovation and leads the new trend in the field of small pitch, indoor and outdoor display solutions. Small pitch product hummingbird obtained international PCT patent certification, continuous innovation, leading small pitch. Indoor high-end black crystal series repeatedly create classics, boost new level in display. The outdoor display, the raptors series, use the top patented technology to highlight the outstanding r&d strength of Kinglight. The company speeds up the pace of innovation, with ingenuity to create and package great career. Through the cooperation with the global excellent display enterprises, the cases have been spread to important occasions around the world, including the presidential press conference, smart city command center, national television, superstar concert, high-end shopping shopping mall and other fields, and the industry has established the brand influence focusing on display LED packaging.

2008

Founded in

2000+

Number of personnel

15000kk+

Monthly production capacity

82000m²

Company area





RGB LED

Mini/Micro LED (MiP)


Product image	Abbreviation	Code	Color	Brightness	Brightness range (mcd)		Wavelength coverage (NM)		Volt(V)		Current (mA)
				Typical Value	MIN	MAX	MIN	MAX	MIN	MAX	
	MC0404N-M1	JT-FCHCSF0404NSURZGQBB-B-M1	R	33	24	50	620	625	1.7	2.4	5
			G	70	53	100	510	535	2.4	3.4	3
			B	12	7.5	18	458	475	2.4	3.4	2
	MC0606N-M1	JT-FCHCSF0606NSURZGQBB-B-M1	R	38	30	55	620	625	1.7	2.4	5
			G	78	58	110	510	535	2.4	3.4	3
			B	15	9	19	458	475	2.4	3.4	2
	MC1010P-M1	JT-FCHESF1010PSURZGQBB-B-M1	R	43	30	60	620	625	1.7	2.4	5
			G	85	60	115	510	535	2.4	3.4	3
			B	16	10	22	458	475	2.4	3.4	2

Mini LED

S-series

Product image	Abbreviation	Code	Color	Brightness	Brightness range (mcd)		Wavelength coverage (NM)		Volt(V)		Current (mA)
				Typical Value	MIN	MAX	MIN	MAX	MIN	MAX	
	TOP1010-S1	JT-KF1010SURZGQBM-BB-S1	R	21	10	30	620	625	1.7	2.4	5
			G	70	50	115	510	535	2.4	3.4	3
			B	10	5	20	458	475	2.4	3.4	2
	1212-S1	JT-KF1212SURZGQBM-BB-S1	R	22	15	30	620	625	1.7	2.4	5
			G	85	60	115	510	535	2.4	3.4	3
			B	12	5	20	458	475	2.4	3.4	2

A-series








Product image	Abbreviation	Code	Color	Brightness	Brightness range (mcd)		Wavelength coverage (NM)		Volt(V)		Current (mA)
				Typical Value	MIN	MAX	MIN	MAX	MIN	MAX	
	TOP1010-A1	JT-KF1010SURZGQBM-BB-A1	R	23	12	30	620	625	1.7	2.4	5
			G	76	55	115	510	535	2.4	3.4	3
			B	10.5	6	20	458	475	2.4	3.4	2
	TOP1010-P3	JT-KF1010SURZGQBM-BB-P3	R	23	15	30	620	625	1.7	2.4	5
			G	90	70	115	530	545	2.4	3.4	3
			B	9	6	20	458	470	2.4	3.4	2
	1212-A1	JT-KF1212SURZGQBM-BB-A1	R	22.5	15	30	620	625	1.7	2.4	5
			G	98	75	130	510	535	2.4	3.4	3
			B	12	5	20	458	475	2.4	3.4	2

Indoor display

S-series

















Product image	Abbreviation	Code	Color	Brightness	Brightness range (mcd)		Wavelength coverage (NM)		Volt(V)		Current (mA)
				Typical Value	MIN	MAX	MIN	MAX	MIN	MAX	
	1415-S2	JT-KF1415QBZGSURM-BB-S2	R	30	17	35	620	625	1.7	2.4	5
			G	94	80	110	510	535	2.4	3.4	3
			B	13	10	20	458	475	2.4	3.4	2
	2020-S1	JT-KF0707QBZGSURM-BB-S1	R	51	40	65	620	625	1.7	2.4	10
			G	142	120	180	510	535	2.4	3.4	5
			B	30	23	40	458	475	2.4	3.4	5

A-series

Product image	Abbreviation	Code	Color	Brightness	Brightness range (mcd)		Wavelength coverage (NM)		Volt(V)		Current (mA)
				Typical Value	MIN	MAX	MIN	MAX	MIN	MAX	
	1415-A1	JT-KF1415QBZGSURM-BB-A1	R	27	18	36	620	625	1.8	2.4	5
			G	102	70	140	510	535	2.4	3.1	3
			B	15	10	22	458	475	2.4	3.1	2
	1415-A3	JT-KF1415QBZGSURM-BB-A3	R	35	25	60	620	625	1.8	2.4	5
			G	105	88	120	510	535	2.4	3.1	3
			B	11	7	15	458	475	2.4	3.1	2
	1415-P3	JT-KF1415QBZGSURM-BB-P3	R	27	18	36	620	625	1.8	2.4	5
			G	116	95	130	535	545	2.4	3.4	3
			B	10.5	7	16	458	465	2.4	3.4	2
	1515-ID	JT-KF1515SURZGQBICW-A1	R	380	300	500	620	625	1.5	3.0	20
			G	480	450	700	510	535	2.5	4.0	15
			B	65	55	120	458	475	2.5	4.0	10
	2020-P3	JT-KF0707QBZGSURM-BB-P3	R	53	45	100	620	625	1.7	2.4	10
			G	180	140	250	535	545	2.4	3.4	5
			B	25	20	45	458	465	2.4	3.4	5
	2020-A1	JT-KF0707QBZGSURM-BB-A1	R	53	40	65	620	625	1.7	2.4	10
			G	165	130	210	510	535	2.4	3.4	5
			B	31	25	50	458	475	2.4	3.4	5
	2020-A3	JT-KF0707QBZGSURM-BB-A3	R	140	110	175	620	625	1.7	2.4	10
			G	240	200	350	510	535	2.4	3.4	5
			B	45	30	60	458	475	2.4	3.4	5

Outdoor display

S-series





Product image	Abbreviation	Code	Color	Brightness	Brightness range (mcd)		Wavelength coverage (NM)		Volt(V)		Current (mA)
				Typical Value	MIN	MAX	MIN	MAX	MIN	MAX	
	1112-CS1	JT-KF1112SURZGQBM-CB-CS1	R	290	150	450	620	625	1.7	2.4	12
			G	575	350	800	510	535	2.3	3.2	8
			B	75	45	110	458	475	2.3	3.2	5
	1515-S1	JT-KF1515QBZGSURM-CB-S1	R	360	250	500	620	625	1.7	2.4	15
			G	550	400	800	510	535	2.4	3.1	8
			B	70	50	120	458	475	2.4	3.1	5
	1515-CS1	JT-KF1515QBZGSURM-CB-CS1	R	380	250	500	620	625	1.7	2.4	15
			G	580	400	800	510	535	2.4	3.1	8
			B	80	50	115	458	475	2.4	3.1	5
	1515N-S1	JT-KF1515NQBZGSURM-CB-S1	R	400	250	520	620	625	1.7	2.4	15
			G	600	350	800	510	535	2.4	3.1	8
			B	80	50	100	458	475	2.4	3.1	5
	1515-S2B	JT-KF1515QBZGSURM-GB-S2	R	260	120	400	620	625	1.7	2.4	15
			G	400	200	600	510	535	2.4	3.1	8
			B	50	30	70	458	475	2.4	3.1	5
	1820-S1	JT-KF1820QBZGSURM-CB-S1	R	390	250	500	620	625	1.7	2.4	15
			G	660	480	800	515	535	2.5	3.4	8
			B	80	70	160	460	475	2.5	3.4	5
	1820-CS1	JT-KF1820QBZGSURM-CB-CS1	R	410	280	550	620	625	1.7	2.4	15
			G	670	520	900	515	535	2.5	3.4	8
			B	90	72	140	460	475	2.5	3.4	5
	1820N-S1	JT-KF1820NZGSURQBM-CB-S1	R	390	200	580	620	625	1.7	2.4	15
			G	660	500	850	510	535	2.5	3.4	8
			B	80	50	120	458	475	2.5	3.4	5
	1820-S2	JT-KF1820QBZGSURM-CB-S2	R	410	250	600	620	625	1.7	2.4	15
			G	690	550	880	510	535	2.5	3.4	8
			B	85	60	130	458	475	2.5	3.4	5
	1820N-S2	JT-KF1820NZGSURQBM-CB-S2	R	410	250	600	620	625	1.7	2.4	15
			G	690	550	880	510	535	2.5	3.4	8
			B	85	60	130	458	475	2.5	3.4	5
	1820-S3	JT-KF1820QBZGSURM-CB-S3	R	470	300	650	620	625	1.7	2.4	15
			G	720	590	900	510	535	2.5	3.4	8
			B	95	70	150	458	475	2.5	3.4	5
	1820-S3B	JT-KF1820QBZGSURM-GB-S3	R	425	300	500	620	625	1.7	2.4	15
			G	505	400	700	510	535	2.2	3.2	8
			B	70	50	90	458	475	2.5	3.4	5
	1820-BB-S3	JT-KF1820QBZGSURM-BB-S3	R	350	280	500	620	625	1.7	2.4	15
			G	470	380	620	510	535	2.4	3.4	8
			B	52	42	80	458	475	2.4	3.4	5
	1820N-S3	JT-KF1820NZGSURQBM-CB-S3	R	470	300	650	620	625	1.7	2.4	15
			G	720	590	900	510	535	2.5	3.4	8
			B	95	70	150	458	475	2.5	3.4	5
	2727-S2	JT-KF2727SURZGQBW-CB-S2	R	525	400	800	620	625	1.7	2.4	15
			G	780	500	1000	510	535	2.6	3.4	10
			B	130	80	180	458	475	2.7	3.4	8
	3535-S2	JT-KF3535QBZGSURM-CB-S2	R	680	400	800	620	625	1.7	2.4	20
			G	1400	1000	2000	515	535	2.6	3.6	20
			B	280	200	400	460	475	2.6	3.6	20

Outdoor display

A-series

Product image	Abbreviation	Code	Color	Brightness	Brightness range (mcd)		Wavelength coverage (NM)		Volt(V)		Current (mA)
				Typical Value	MIN	MAX	MIN	MAX	MIN	MAX	
	1515-A1	JT-KF1515QBZGSURM-CB-A1	R	260	150	400	620	625	1.7	2.4	8
			G	480	300	650	510	535	2.4	3.1	5
			B	60	40	90	458	475	2.4	3.1	3
	1515-BB-A2	JT-KF1515QBZGSURM-BB-A2	R	250	180	350	620	625	1.7	2.4	15
			G	370	280	500	510	535	2.4	3.1	8
			B	50	40	70	458	475	2.4	3.1	5
	1820-A1	JT-KF1820QBZGSURM-CB-A1	R	390	250	500	620	625	1.7	2.4	15
			G	680	480	850	510	535	2.4	2.4	8
			B	100	65	130	458	475	2.4	3.4	5
	1820-A2	JT-KF1820QBZGSURM-CB-A2	R	500	380	700	620	625	1.7	2.4	15
			G	820	630	1100	510	535	2.4	3.4	8
			B	120	80	160	458	475	2.4	3.4	5
	1820-A3	JT-KF1820QBZGSURM-CB-A3	R	650	420	850	620	625	1.7	2.4	15
			G	980	650	1250	510	535	2.4	3.4	8
			B	130	100	180	458	475	2.4	3.4	5
	1820-BB-A3	JT-KF1820QBZGSURM-BB-A3	R	350	280	500	620	625	1.7	2.4	15
			G	470	380	620	510	535	2.4	3.4	8
			B	52	42	80	458	475	2.4	3.4	5
	2727-A1	JT-KF2727QBZGSURM-CB-A1	R	370	300	450	620	625	1.7	2.4	10
			G	630	500	750	510	535	2.3	3.1	5
			B	130	100	150	458	475	2.3	3.1	5
	2727-A2	JT-KF2727QBZGSURM-CB-A2	R	380	280	500	620	625	1.7	2.4	10
			G	600	400	800	510	535	2.3	3.1	5
			B	130	70	200	458	475	2.3	3.1	5
	2727-A3	JT-KF2727QBZGSURM-CB-A3	R	720	480	1000	620	625	1.7	2.4	15
			G	1400	850	1800	510	535	2.3	3.1	10
			B	180	120	260	458	475	2.3	3.1	5
	2727-A4	JT-KF2727QBZGSURM-CB-A4	R	530	400	700	620	625	1.7	2.4	10
			G	730	550	950	510	535	2.3	3.1	5
			B	150	100	200	458	475	2.3	3.1	5
	3535-A3	JT-KF3535SURZGQBM-CB-A3	R	900	500	1200	620	625	1.7	2.4	20
			G	1800	1250	2200	515	535	2.5	3.4	20
			B	340	280	450	460	475	2.5	3.4	20
	3535-A4	JT-KF3535SURZGQBM-CB-A4	R	1050	850	1350	620	625	1.7	2.4	20
			G	2150	1500	3100	515	535	2.5	3.4	20
			B	400	300	550	460	475	2.5	3.4	20

KS-series

Product image	Abbreviation	Code	Color	Brightness	Brightness range (mcd)		Wavelength coverage (NM)		Volt(V)		Current (mA)
				Typical Value	MIN	MAX	MIN	MAX	MIN	MAX	
	1820-KS3	JT-KF1820QBZGSURM-CB-KS3	R	650	550	750	618	625	1.7	2.4	15
			G	990	700	1200	510	535	2.3	3.1	8
			B	130	90	150	458	475	2.4	3.2	5
	1820-KS3B	JT-KF1820QBZGSURM-BB-KS3	R	365	280	450	620	625	1.7	2.4	15
			G	515	380	600	510	535	2.4	3.0	8
			B	65	40	80	458	475	2.6	3.2	5
	2727-KS4	JT-KF2727QBZGSURM-CB-KS4	R	1080	800	1200	620	625	1.8	2.4	20
			G	1800	1500	2250	510	535	2.3	2.9	15
			B	290	200	400	458	475	2.5	3.1	10
	3535-KS4	JT-KF3535QBZGSURM-CB-KS4	R	1100	850	1350	620	625	1.8	2.4	20
			G	2500	1900	3000	510	535	2.5	3.1	20
			B	550	450	700	458	475	2.7	3.3	20



Built for display excellence

Shenzhen Kinglight Co.,Ltd

Address: Bldg 4th, Dingfeng Industrial Park,
Fuyong Sub-District, Bao' an district, Shenzhen, China
Telephone number:0755-29081727
E-mail:Sales@jt-led.com
Web:www.jt-led.com

Suzhou Kinglight Optoelectronics Co.,Ltd

Address: East side of Guotai North Road,
Yangshe Town, Zhang Jiagang city, Suzhou
Telephone number:0512-35010333
E-mail:Sales@jt-led.com
Web:www.jt-led.com