

YUJILEDS 2019

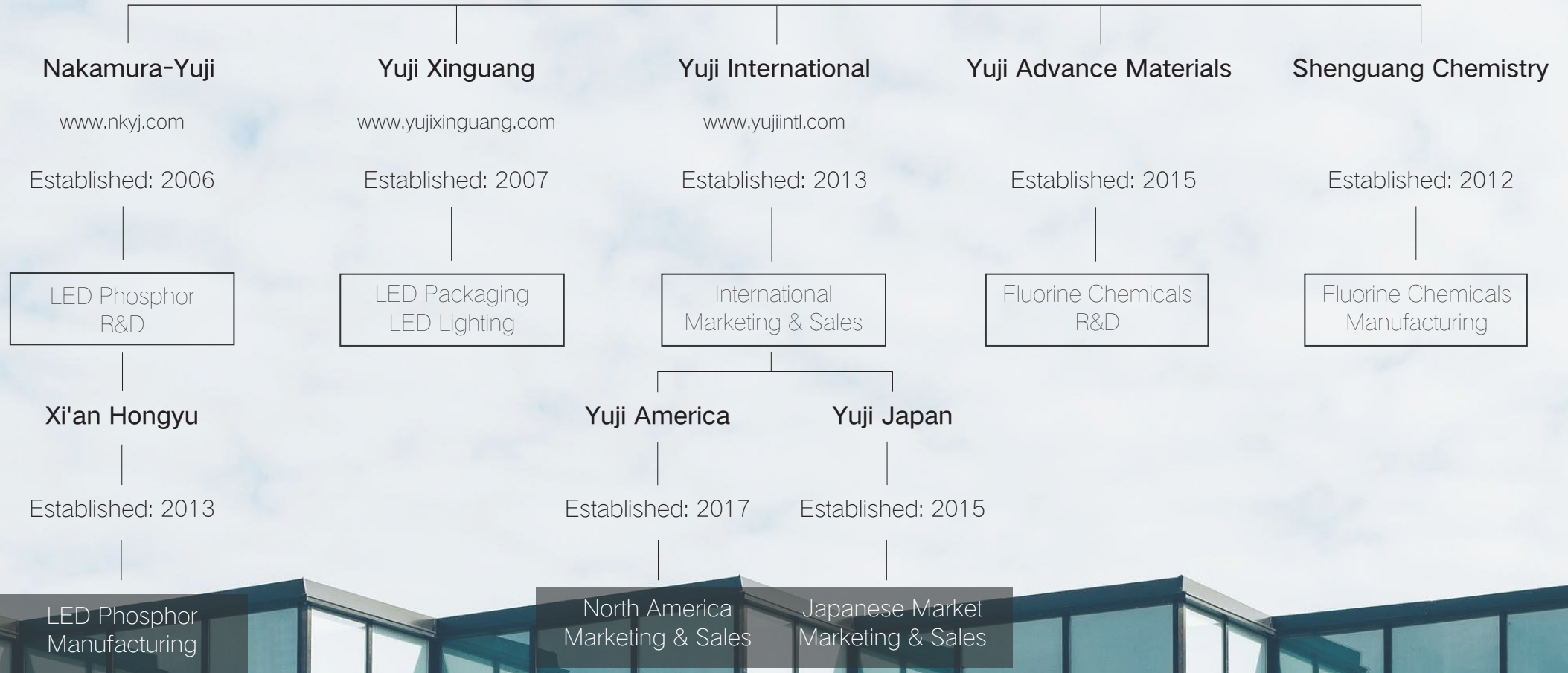
TRUE COLORS
LBNE LIGHT



Beijing Yuji Science & Technology Co., Ltd.

www.beijingyuji.com

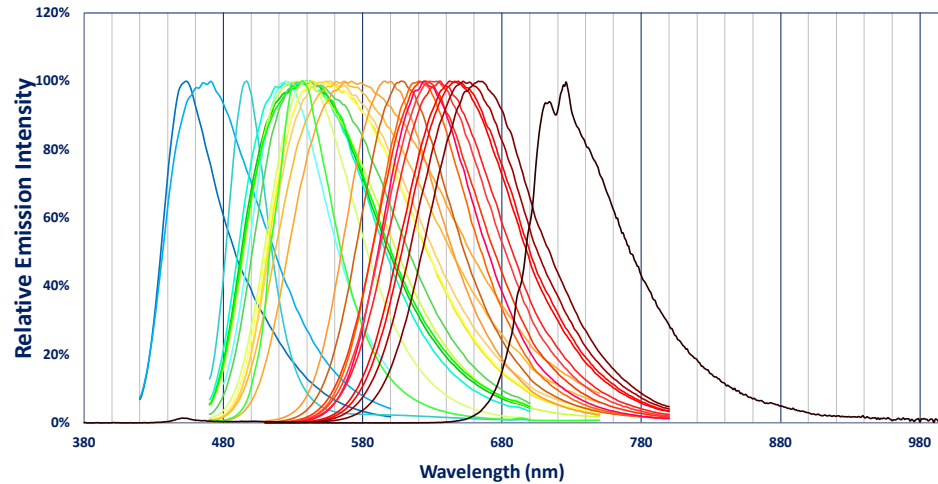
Established: 2005



YUJILEDS® Core Technologies

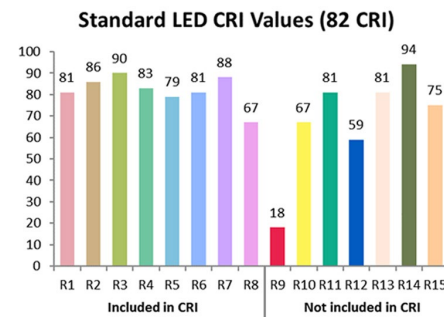
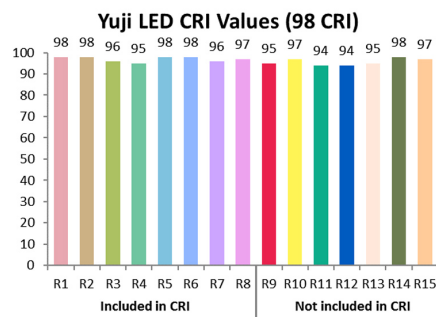
Phosphor Technology - High Stability

As the first inventor and manufacturer of nitride phosphor in China, we produce LED phosphor materials with superior brightness and stability. For 13 years, our fully-equipped production center and experienced R&D team enable us to provide not only high-quality phosphors but also various application schemes for high CRI lighting and high color gamut display.



LED Packaging Technology - High CRI

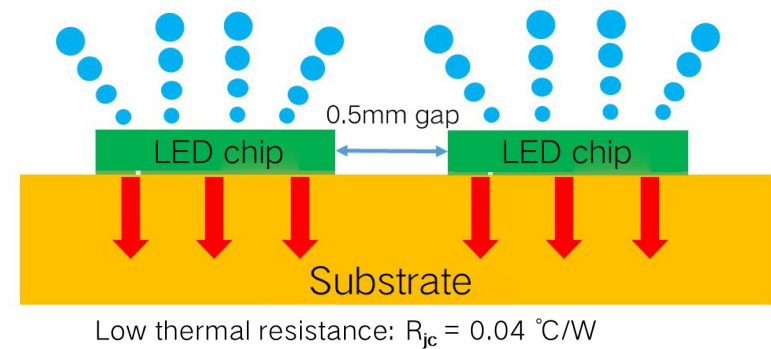
12 years of experience in LED packaging allows us to create specific spectral design on various SMD package types for customer's needs. Our blue-bumped LEDs achieve Ra>95, R9>90 in broad color temperature range, and the violet-pumped LEDs have all 15 CRI values over 95, perfectly mimicking the sunlight. Our products are widely used in film and photography, horticulture, color measurement and many other applications.



LED COB - High Lumen Density

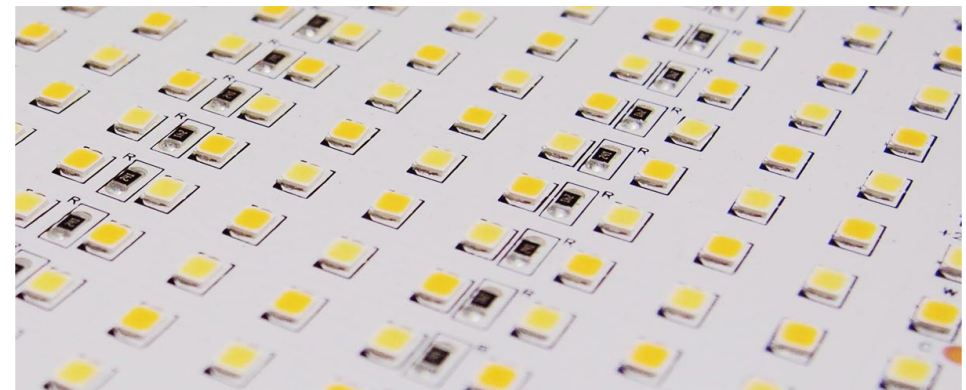
Our high CRI high lumen density COBs perfectly balance high power output demand and light source sizes, providing excellent performance in heat dissipation and color rendition. Based on our unique eutectic bonding technology, our 500W COB provides 28000lm output on a ϕ 19mm light-emitting surface, with 95+ Ra and 90+ R9. This "point-like" COB LED is a major breakthrough in high power LEDs and allows for many possibilities in all kinds of applications that require enormous light output and small lighting surface at the same time.

Eutectic bonding technology



PCBA Technology

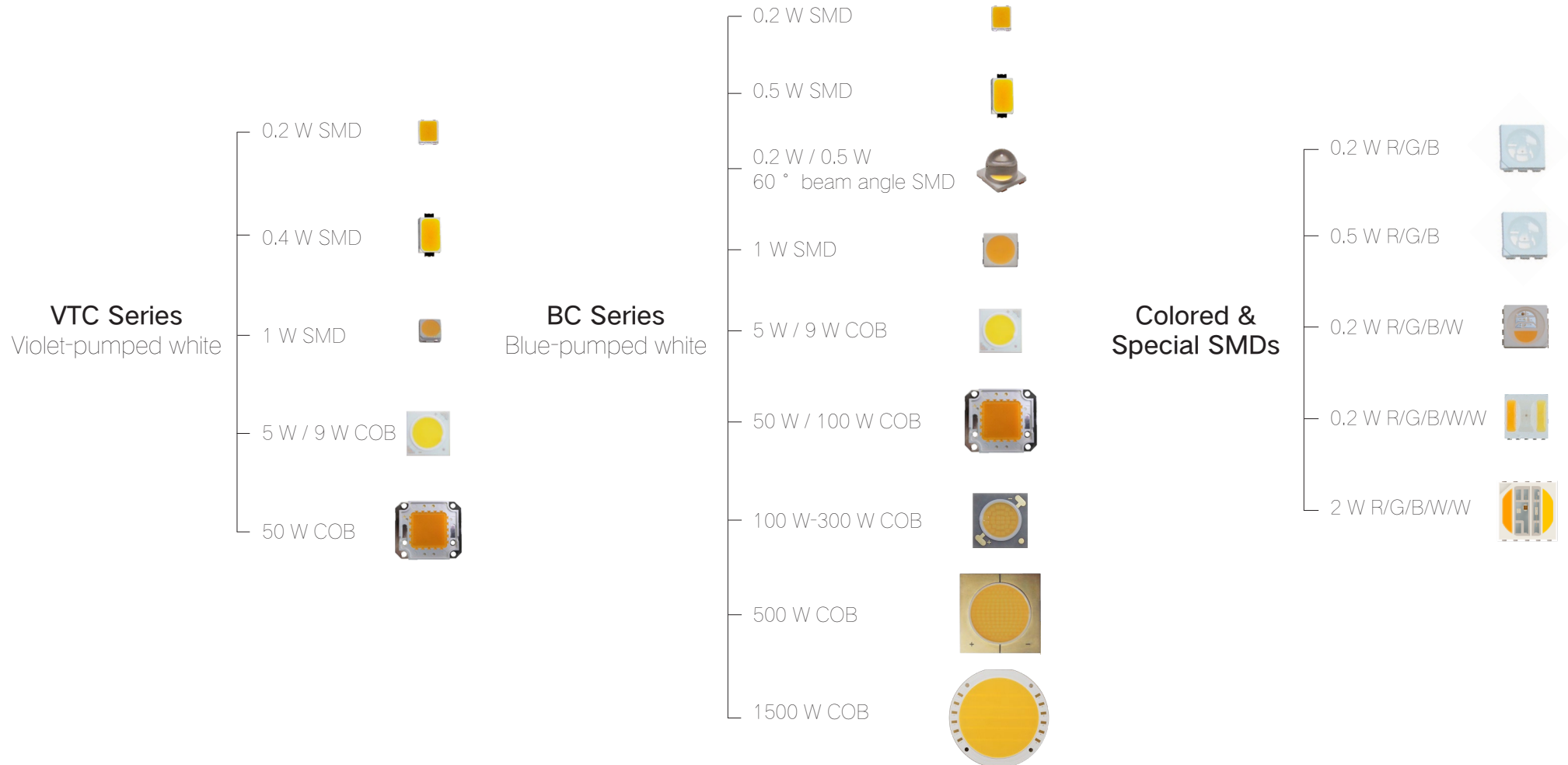
Since 2015, we've been providing custom services including suitable material selection of PCB, electric circuit design and LED assembly to help our customers realize high quality lighting. We are always ready to provide tailored products and services for every customer of ours.



YUJILEDS[®] LED SMD

Yuji's phosphor expertise enables two different methods that provide no-compromise, high CRI high efficacy solutions.

- BC series high CRI LEDs (CRI>95) using blue die are well suited for applications requiring high power, efficiency and excellent color rendering.
- VTC series ultra high CRI LEDs using violet die cover the entire spectrum and provide up to 98 CRI.






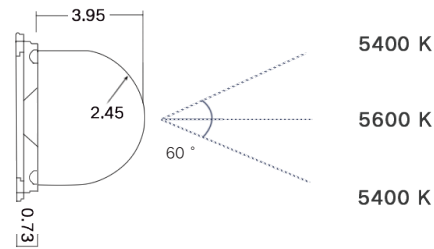
Yuji provides single emitters from 0.2W to 1500W that can serve countless application scenarios. Every Yuji product offers excellent chromatic effect and remarkable color consistency.

YUJILEDS® 60° Viewing Angle SMD LED

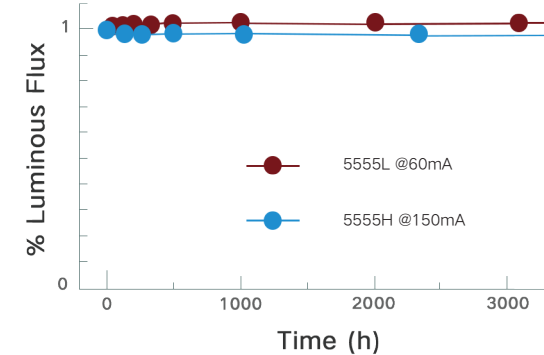
YJ-BC-5555

Development Concept

1960 _s	 <p>F5 Lamp</p>	<ul style="list-style-type: none"> • Poor heat dissipation design • Low luminous flux • Small viewing angle
2000 _s	 <p>SMD</p>	<ul style="list-style-type: none"> • Excellent heat dissipation design • High luminous flux • Broad viewing angle
2017	 <p>YJ-BC-5555</p>	<ul style="list-style-type: none"> • Viewing angle @50% I_v : 60° • Excellent heat dissipation design • Applicable for SMT



5400 K
5600 K
5400 K



Features:

- High reliability: luminous decay < 1% after 3000 h. (T =25°C , RH 50%)
- High color consistency: CCT difference < 200 K within 60° range (5600 K)
- High CRI: > 95 CRI available at any custom CCT








Electrical-optical characteristics (T_a=25°C)








Part Number	I _f (mA)	P (W)	CCT (K)	Luminous Flux (lm)	CRI (Ra)	R9
YJ-BC-5555L	60	0.2	3200	19	> 95	> 90
			5600	21		
YJ-BC-5555MX	150	0.5	3200	46		
			5600	50		

















YUJILEDS® High CRI SMD




BC Series

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-2835L-G02-27		2700	60	2.8-3.2	15-18	95
	YJ-BC-2835L-G02-32		3200			17-20	
	YJ-BC-2835L-G02-40		4000			18-21	
	YJ-BC-2835L-G02-50		5000			19-22	
	YJ-BC-2835L-G02-56		5600			19-22	
	YJ-BC-2835L-G02-65		6500			19-22	

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-3030-G02-27		2700	300	3.0-3.4	73-79	95
	YJ-BC-3030-G02-32		3200			81-87	
	YJ-BC-3030-G02-40		4000			90-98	
	YJ-BC-3030-G02-50		5000			94-100	
	YJ-BC-3030-G02-56		5600			94-100	
	YJ-BC-3030-G02-65		6500			96-102	

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-5730L-G02-27		2700	150	3.0-3.4	40-45	95
	YJ-BC-5730L-G02-32		3200			40-45	
	YJ-BC-5730L-G02-40		4000			43-49	
	YJ-BC-5730L-G02-50		5000			47-53	
	YJ-BC-5730L-G02-56		5600			47-53	
	YJ-BC-5730L-G02-65		6500			47-53	








Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-3030C-G02-27		2700	150	6.0-6.8	73-79	95
	YJ-BC-3030C-G02-32		3200			81-87	
	YJ-BC-3030C-G02-40		4000			90-98	
	YJ-BC-3030C-G02-50		5000			94-100	
	YJ-BC-3030C-G02-56		5600			94-100	
	YJ-BC-3030C-G02-65		6500			96-102	

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-5555L-G02-32		3200	60	2.8-3.2	18-20	95
	YJ-BC-5555L-G02-56		5600			20-22	








Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-5555MX-G02-27		2700	150	3.0-3.4	45-50	95
	YJ-BC-5555MX-G02-32		3200			45-50	
	YJ-BC-5555MX-G02-56		5600			50-55	
	YJ-BC-5555MX-G02-65		6500			50-55	








YUJILEDS[®] High CRI SMD


VTC Series



Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-VTC-2835-G01-27		2700	60	2.9-3.7	10-15	95
	YJ-VTC-2835-G01-32		3200			11-16	
	YJ-VTC-2835-G01-40		4000			11-16	
	YJ-VTC-2835-G01-50		5000			13-16	
	YJ-VTC-2835-G01-56		5600			13-17	
	YJ-VTC-2835-G01-65		6500			13-17	


Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-VTC-5730-G01-27		2700	120	3.1-3.7	23-27	95
	YJ-VTC-5730-G01-32		3200			24-29	
	YJ-VTC-5730-G01-40		4000			25-30	
	YJ-VTC-5730-G01-50		5000			27-32	
	YJ-VTC-5730-G01-56		5600			27-32	
	YJ-VTC-5730-G01-65		6500			27-32	

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-VTC-3030L-G02-27		2700	60	3.0-3.4	11-14	95
	YJ-VTC-3030L-G02-32		3200			12-15	
	YJ-VTC-3030L-G02-40		4000			12-15	
	YJ-VTC-3030L-G02-50		5000			13-16	
	YJ-VTC-3030L-G02-56		5600			13-16	
	YJ-VTC-3030L-G02-65		6500			13-16	

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-VTC-3030M-G02-27		2700	120	3.0-3.4	22-28	95
	YJ-VTC-3030M-G02-32		3200			24-30	
	YJ-VTC-3030M-G02-40		4000			24-30	
	YJ-VTC-3030M-G02-50		5000			26-32	
	YJ-VTC-3030M-G02-56		5600			26-32	
	YJ-VTC-3030M-G02-65		6500			26-32	

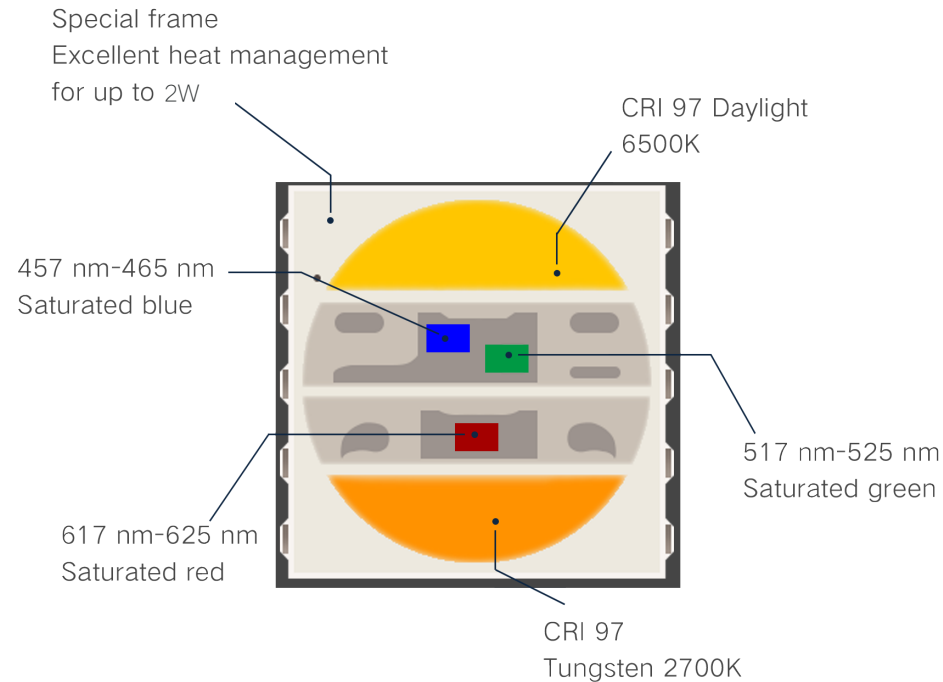
Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-VTC-2835-G01-D50		5000	60	2.9-3.7	13-16	95

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-VTC-5730-G01-D50		5000	120	3.1-3.7	27-32	95

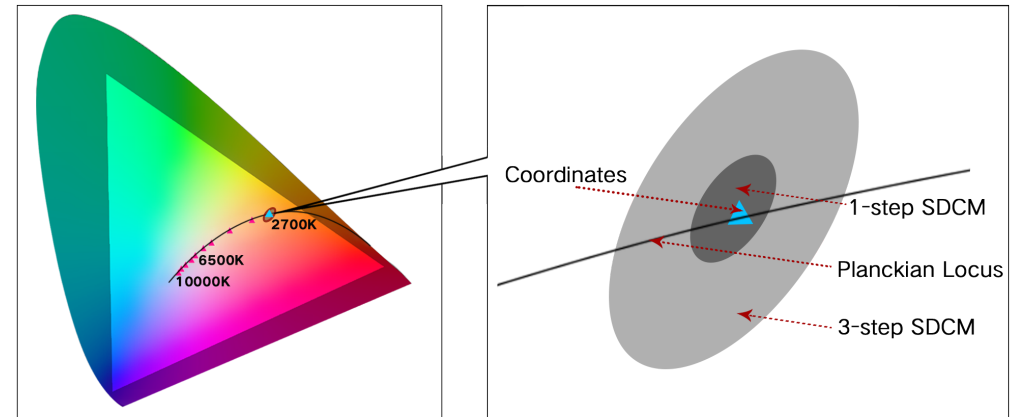
Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-VTC-3030L-G02-D50		5000	60	3.0-3.4	13-16	95

YUJILEDS® VarySpec 5-in-1 LED

SSL (solid-state lighting) has earned its reputation for building light sources of various spectra. People have been producing spectrum-tunable lights with combinations of R, G, B, and/or white LEDs. Now, based on our expertise and experience in phosphor and LED packaging technologies, Yuji launches a revolutionary LED that can realize numerous spectra within one single package, which greatly benefits fixture design by optimizing and simplifying the light source.



Features



- With full color gamut, VarySpec 5-in-1 LED presents unlimited chromas to your lighting world.
- With full spectrum bases, the purest white light is reachable. Besides, any correlated color temperature along the Plackian Locus, or any color point you wish, can become reality.

YJ-BC-RGBWW-5050L-G03

	Forward Current (mA)	Forward Voltage (V)	CCT (K)	Dominant Wavelength (nm)	CRI (Ra)
R	20	1.95-2.4	-	619-624	-
G	20	2.9-3.3	-	518-523	-
B	20	3.0-3.4	-	465-470	-
Daylight	30	2.7-3.2	6500	-	~97
Tungsten	30	2.7-3.2	2700	-	~97



7 **Features:** high CRI, low power density, little thermal requirement for fixtures.








YJ-BC-RGBWW-7070M-G03




	Forward Current (mA)	Forward Voltage (V)	CCT (K)	Dominant Wavelength (nm)	CRI (Ra)
R	150	1.9-2.5	-	619-625	-
G	150	2.8-3.4	-	520-525	-
B	150	3.0-3.4	-	457.5-460	-
Daylight	150	3.0-3.4	6500	-	~97
Tungsten	150	3.0-3.4	2700	-	~97











Features: excellent thermal management, high power, suitable for fixtures with good thermal conditions.











YUJILEDS® Colored & Special SMD LED







Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Dominant Wavelength (nm)
	YJ-SX-3030-01B		-	300	3.0-3.4	14-16	456
	YJ-SX-3030-01G				3.0-3.4	125-160	550
	YJ-SX-3030-02G				2.6-3.2	70-86	521
	YJ-SX-3030-01A				3.0-3.4	70-80	598
	YJ-SX-3030-01R				3.0-3.4	18-23	620
	YJ-SX-3030-02R				3.0-3.4	12-16	625

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Dominant Wavelength (nm)
	YJ-RGB5050L-G01		-	20	2.0	625
			-	20	3.0	525
			-	20	3.0	470

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Radiant Power (mW)	Dominant Wavelength (nm)
	YJ-RGB5050H-G01		-	60	1.9-2.4	41-47	615-630
			-	60	2.7-3.5	29-36	515-530
			-	60	2.8-3.5	67-77	450-465

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Intensity	Dominant Wavelength (nm)	Min. CRI (Ra)
	YJ-BC-RGBWW-5050L-G03		-	20	1.95-2.4	800-1200 mcd	619-624	-
			-	20	2.9-3.3	1200-2100 mcd	518-523	-
			-	20	3.0-3.4	320-530 mcd	465-470	-
			2700	30	2.7-3.2	8-13 lm	-	95
			6500	30	2.7-3.2	9-13 lm	-	95

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Dominant Wavelength (nm)	Min. CRI (Ra)
	YJ-BC-RGBW5050-G01		-	20	2.0	620-625	-
			-		3.3	517.5-522.5	-
			-		3.3	460-465	-
			2700		3.3	-	95
			3200				
			4000				
			5000				
			5600				
	6500						

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Dominant Wavelength (nm)	Min. CRI (Ra)
	YJ-BC-RGBWW-7070M-G03		-	150	1.9-2.5	18-22	619-625	-
			-	150	2.8-3.4	38-44	520-525	-
			-	150	3.0-3.4	7.5-10.5	457.5-460	-
			2700	150	3.0-3.4	38-43	-	95
			6500	150	3.0-3.4	43-48	-	95

YUJILEDS® High Lumen Density LED COB

LED COB light source is usually targeted at applications that require high luminance intensity. Building upon eutectic bonding technology, YUJILEDS® high lumen density COB has the highest lumen density (90 lm/mm² at 500W) while products of the same power class are usually around 30 lm/mm². This makes them more preferable as they allow for more possibilities for light distribution design.

Features:

- High CRI (Ra 95+, R9 90+)

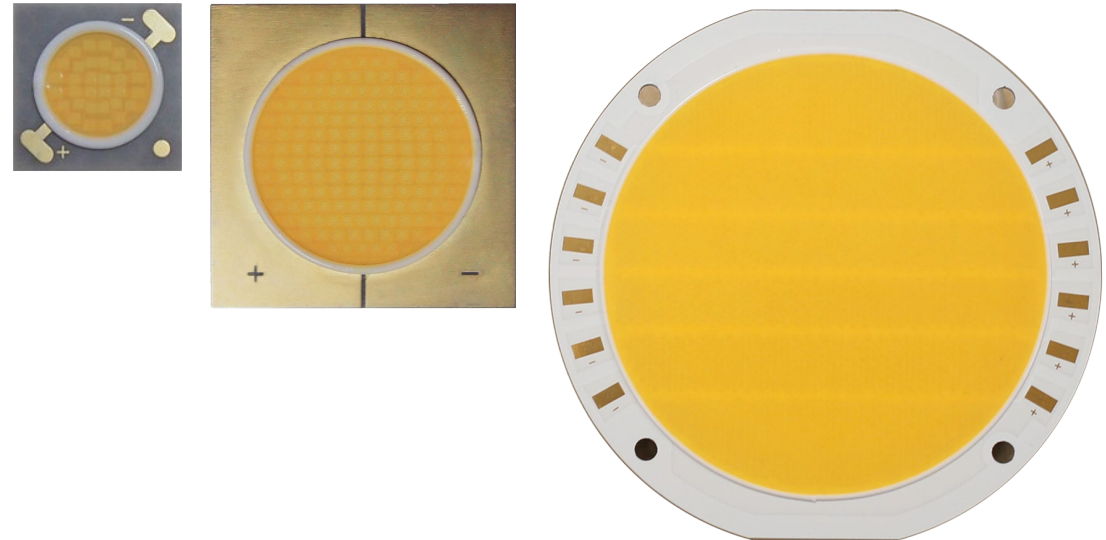
Perfectly suitable for film & photography lighting, where enormous output of high quality light is required.

- Small LES (Light Emitting Surface)

The smallest emission area for a COB of its power class. Allows for high power and high lumen density on a limited lighting surface, and provides excellent optical controllability.

- High Customizability

Available for custom spectrum and chromatic requirements.



Power (W)	Min. CRI (Ra)	TLCI	CCT (K)	Light Emitting Surface Diameter (mm)	Luminous Flux (lm)
1500	95	95	3200 / 5600	72	120000
500	95	95	3200 / 5600	19	28000
100	95	95	3200 / 5600	10	6000


YUJILEDS® High CRI COB


BC Series

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-135XL-G02-32	●	3200	300	14-17	390-450	95
	YJ-BC-135XL-G02-56	○	5600	300	14-17	440-510	
	YJ-BC-135L-G02-32	●	3200	600	14-17	800-920	
	YJ-BC-135L-G02-56	○	5600	600	14-17	900-1100	


High Lumen Density Series

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-160H-G01-32	●	3200	4000	23-27	5600	95
	YJ-BC-160H-G01-56	○	5600	4000	23-27	6000	


Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-400L-G01-32	●	3200	1500	28-31	3025-3575	95
	YJ-BC-400L-G01-56	○	5600	1500	28-31	3190-3740	


Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-270H-G02-32	●	3200	12000	35-42	18000-24000	95
	YJ-BC-270H-G02-56	○	5600	12000	35-42	22000-28000	

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-400H-G01-32	●	3200	3000	28-31	5500-6500	95
	YJ-BC-400H-G01-56	○	5600	3000	28-31	5800-6800	

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-900H-G01-56	○	5600	48000	30-41	120000	95


VTC Series

Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-VTC-135XL-G01-32	●	3200	240	16-24	145-250	95
	YJ-VTC-135XL-G01-56	○	5600	240	16-24	250-425	

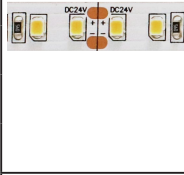











Product	Part Number	Color	CCT (K)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-VTC-135L-G01-32	●	3200	450	17-21	497-536	95
	YJ-VTC-135L-G01-56	○	5600	450	17-21	585-630	

YUJILEDS® LED Flexible Strip





BC Series

Product	Part Number	Color	CCT (K)	Power (W/m)	V _f (V)	Lum. Flux (lm/m)	Min. CRI (Ra)	Size (mm)
	YJ-BC-RB-2835L-G02-27		2700	15-18	12/24	900	95	5000*10
	YJ-BC-RB-2835L-G02-32		3200			1000		
	YJ-BC-RB-2835L-G02-40		4000			1000		
	YJ-BC-RB-2835L-G02-50		5000			1000		
	YJ-BC-RB-2835L-G02-56		5600			1300		
	YJ-BC-RB-2835L-G02-65		6500			1300		
	YJ-BC-HRB-2835L-G02-2765		2700-6500	15-18	12/24	~1250	95	5000*10
	YJ-BC-HRB-2835L-G02-3256		3200-5600			~1250		
	YJ-BC-12HRB-2835L-G01-2765		2700-6500	48 W/pc	24	~3500	95	300*100







VTC Series

Product	Part Number	Color	CCT (K)	Power (W/m)	V _f (V)	Lum. Flux (lm/m)	Min. CRI (Ra)	Size (mm)
	YJ-VTC-RB-2835-G01-27		2700	15-18	12/24	700	95	5000*10
	YJ-VTC-RB-2835-G01-32		3200			700		
	YJ-VTC-RB-2835-G01-40		4000			800		
	YJ-VTC-RB-2835-G01-50		5000			800		
	YJ-VTC-RB-2835-G01-56		5600			900		
	YJ-VTC-RB-2835-G01-65		6500			900		
	YJ-VTC-HRB-2835-G01-2765		2700-6500	15-18	12/24	~950	95	5000*10
	YJ-VTC-HRB-2835-G01-3256		3200-5600					
	YJ-VTC-12HRB-2835-G01-2765		2700-6500	48 W/pc	24	~2200	95	300*100




Multicolor LED Flexible Strip

Product	Part Number	Color	CCT (K)	Power (W/m)	V _f (V)	Lum. Flux (lm/m)	Min. CRI (Ra)	Size (mm)
	YJ-BC-RB-RGB5050-G01		-	15-18	12/24	-	-	5000*10
	YJ-BC-RB-RGBW5050-G01-3256		3200/5600	15-18	12/24	5-6 (white)	95	5000*10
	YJ-BC-RB-RGBWW5050-G01		2700-6500		24	430 at 2700K 500 at 6500K	95	5000*10

IP65/IP67 Waterproof High CRI LED Strip


Product	Part Number	Color	CCT (K)	Power (W/m)	V _f (V)	Lum. Flux (lm/m)	Min. CRI (Ra)	Size (mm)
	YJ-BC-IP65RB-2835L-G02-27		2700	13	24	700	95	5000*12
	YJ-BC-IP65RB-2835L-G02-56		5600			850		
	YJ-BC-IP67RB-2835L-G02-27		2700			700		
	YJ-BC-IP67RB-2835L-G02-56		5600			820		

S Shape High CRI LED Strip

Product	Part Number	Color	CCT (K)	Power (W/m)	V _f (V)	Lum. Flux (lm/m)	Min. CRI (Ra)	Size (mm)
	YJ-BC-SRB-2835L-G02-27		2700	4.8	24	370	95	5000*6
	YJ-BC-SRB-2835L-G02-56		5600			410		

YUJILEDS® High CRI LED MCPCB



BC Series

Product	Part Number	Color	CCT (K)	Size (mm)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-MOD-5730L-24V-G02-27		2700	280*20*2.0	340-380	24	700-780	95
	YJ-BC-MOD-5730L-24V-G02-32		3200				700-780	
	YJ-BC-MOD-5730L-24V-G02-40		4000				750-840	
	YJ-BC-MOD-5730L-24V-G02-50		5000				750-840	
	YJ-BC-MOD-5730L-24V-G02-56		5600				750-840	
	YJ-BC-MOD-5730L-24V-G02-65		6500				750-840	

VTC Series

Product	Part Number	Color	CCT (K)	Size (mm)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-VTC-MOD-5730-24V-G01-27		2700	280*20*2.0	340-380	24	480-545	95
	YJ-VTC-MOD-5730-24V-G01-32		3200				520-630	
	YJ-VTC-MOD-5730-24V-G01-40		4000				545-630	
	YJ-VTC-MOD-5730-24V-G01-56		5600				560-650	
	YJ-VTC-MOD-5730-24V-G01-65		6500				610-700	

VTC D50 Series

Product	Part Number	Color	CCT (K)	Size (mm)	I _f (mA)	V _f (V)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-VTC-MOD-5730-24V-G01-D50		5000	280*20*2.0	340-380	24	480	95

YUJILEDS® High CRI LED FLOODLIGHT



This YUJILEDS® high CRI LED floodlight is built for large area lighting, such as hotels, schools, hospitals, garages, courtyards, exhibition booths, etc. It is bright enough to be used for illumination purpose on large fields. The main advantage of it is lower power consumption, longer life as well as high quality light output. With high CRI value of above 95, it provides a bright illumination, and can reveal objects beautiful and vivid at the same time.


LED Driver	Power (W)*	Input Voltage	Min. CRI (Ra)	CCT (K)*	Dimension (cm)	Protection
Meanwell	100	AC110-240V	95	5600	39*30*10	IP66

*Power and color temperature customizable.



YUJILEDS® High CRI LED Lights



High CRI A19 LED Filament Bulb

Product	Part Number	Color	CCT (K)	Size	Input Voltage	Power (W)	Lum. Flux (lm)	Min. CRI (Ra)
	YJFA198W95G0127		2700	A19	110V-130V AC	8	500-600	95

High CRI LED Corn Bulb

Product	Part Number	Color	CCT (K)	Size	Input Voltage	Power (W)	Lum. Flux (lm)	Min. CRI (Ra)
	YJYM36W95G0132		3200	D8.5cm*L21.8cm	85V-265V AC	36	3400-3500	95
	YJYM36W95G0156		5600				3500-3600	



High CRI LED Floodlight

Product	Part Number	Color	CCT (K)	Size	Input Voltage	Power (W)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-FLD-3030-G02-56		5600	39*30*10cm	110V-240V AC	100	8500	95


T8 LED Tube

Product	Part Number	Color	CCT (K)	Size	Input Voltage	Power (W)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-BC-T8-4FT-G02-40		4000	4ft/1200mm	110V-240V AC	20	1750	95
	YJ-BC-T8-4FT-G02-50		5000				1800	

T8 D50 LED Tube

Product	Part Number	Color	CCT (K)	Size	Input Voltage	Power (W)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-T8-2835-G02-D50		5000	4ft/1200mm	110V-240V AC	22	1100	95

T8 Grocery & Meat LED Tube

Product	Part Number	Color	CCT (K)	Size	Input Voltage	Power (W)	Lum. Flux (lm)	Min. CRI (Ra)
	YJ-MT-T8-2835-G02-30		3000	4ft/1200mm	110V-240V AC	20	1700	90
	YJ-GC-T8-2835-G02-30		3000	4ft/1200mm	110V-240V AC	20	1750	95

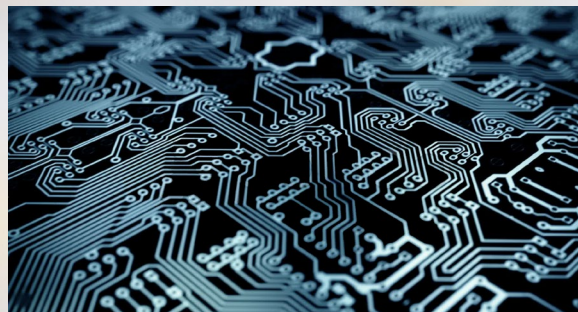
YUJILED[®] Custom PCB Services

Yuji offers custom printed circuit board design, fabrication and assembly services for a variety of LED applications. Following the stage of research and development, we integrate our high CRI LED components into customer 's designs efficiently.

Design

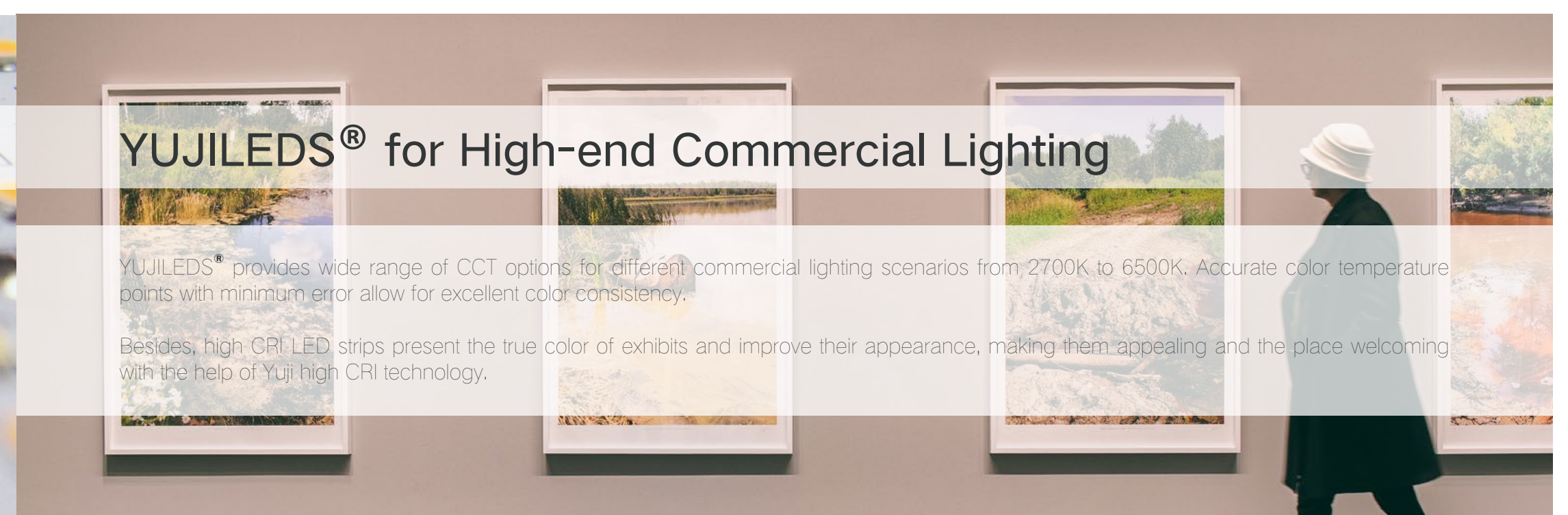
Material selection, circuit design and LED arrangement are the key factors affecting the reliability and stability of a PCB. Our professional PCB service team is always ready to offer an overall lighting solution or provide advices on circuit design, material selection, heat dissipation, LED arrangement, etc.

Additionally, by managing the chromaticity of the LEDs, we hold a tight tolerance of color temperature and keep the light pure white. Instead of handling it by yourself, we can save you from the burden and time of additional inventory and the risk of multiple reel variants per LED type.



Process

We process PCBs made from FPC, FR4, MCPCB and other materials. We have established long-term relationships with numbers of major PCB manufacturers in the industry. Using high-quality materials, our PCBs are able to meet the standard of IP-III. With the help of our custom made equipment, we can process PCB boards of all sizes up to 1200 mm × 600 mm.



YUJILEDS® for High-end Commercial Lighting

YUJILEDS® provides wide range of CCT options for different commercial lighting scenarios from 2700K to 6500K. Accurate color temperature points with minimum error allow for excellent color consistency.

Besides, high CRI LED strips present the true color of exhibits and improve their appearance, making them appealing and the place welcoming with the help of Yuji high CRI technology.



YUJILEDS® for Film & Photography Lighting

High quality lighting and images are the main pursuits of photography and films. There is no doubt that lighting plays a crucial role in capturing both still and motion pictures. The television lighting consistency index (TLCI) is used in film and photography lighting to assess how well the light source renders colors.

YUJILEDS® VTC series products achieve a TLCI rating up to 99, extremely close to natural sunlight.

YUJILEDS® for Horticultural Lighting

YUJILEDS® brings full capability to customize the most preferable spectrum and efficient lights for growers in vertical farming, indoor growing, green houses and supplementary grow lightings.

With over 92 different phosphors covering 450nm – 730nm, and LED chips ranged in 365nm – 950nm, YUJILEDS® provides custom LED grow lighting solutions of high PPF efficiency in forms of LED emitters (SMD and COB), strips, PCB panels and tubes.

YUJILEDS® serves grow light manufacturers to achieve designated growing spectra of either spiky pattern or sun like full spectrum that is needed during all growing stages including germination, rooting, leaf growing, flowering, propagation and fruiting.

YUJILEDS® for Grocery Lighting

YUJILEDS® offers high CRI LED tubes for grocery & retail lighting applications. With its spectrum's high similarity with sunlight, these lamps illuminate vegetables and fruits and make them look exceptionally real and fresh.

YUJILEDS® also introduces LED tubes designed for illuminating meat, under which beef, pork and poultry looks visually alike as under a conventional fluorescent lamp. Moreover, YUJILEDS® meat tubes present meat packaged in a polyethylene bag with an extraordinarily fresh look, avoiding looking dark purple/blue when under conventional LED lights.

YUJILEDS® for Color Management Lighting

When an object is being observed by the human eye, its color is a result of the surrounding lighting conditions and the reflection of the object. The slightest variation in lighting and environment can produce significant color differences. An object may appear entirely different in different environments. For industries that require consistent color appearance of the materials or the products between all participants in the supply chain, standards have been made to guarantee that all colors are viewed in a consistent environment. The printing and graphic arts industries have adopted ISO 3664:2009 standard that specifies D50 daylight viewing conditions. Similar to D50, D65 is defined by ISO 3668 standard, which is normally adopted in industrial color assessment.

YUJILEDS® develops its own line of standard lights for such applications that include color management as a significant process. Based on its expertise in LED recipe and custom design, YUJILEDS® Standard Illuminant Series provides the most accurate and consistent lighting conditions for color viewing and assessment that meet each specific industry standards.

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LIGHT UP THE TRUE COLORS IN YOUR LIFE

