



PRODUCT CATALOG

Specializing in LED
spectrum science

2024

Contents

05 About us

06 Event & Application Guide

08 APS Series LED

10 VTC Series LED

12 HE Series LED

14 Nourish Series LED

16 WlBeing Series LED

18 BC Series LED

21 Monochromatic Series LED

24 Multichromatic Series LED

27 Color Matrix LED

30 CIE & Specialized Series LED

Product list



About Us

Our story

In 2006, Yuji started to make LED phosphor, which is the primary material for LED products. We became a JV partner with Mitsubishi Chemical in 2012. Yuji is dedicated to understanding the features and use of luminescent materials in LED products and we take a unique approach differentiated from other manufacturers because we observe and understand LED from the nature of light.

Our technology

Yuji is one of the few companies that provide the service of designing or customizing a specific spectrum for clients. Our confidence comes from the years of accumulation in focusing on the spectrum technologies and the fabrication ability in using various LED phosphor and LED dies with thousands of successful cases in the past years. Innovating LED technologies and giving them commercial values are our eternal driving forces.

Our product

The trademark of Yujileds® is the identification of the LED products developed and manufactured by Yuji. We put our understanding of the LED technologies and the standard of our quality control into every LED we make. Regardless of any product series, we pay attention to expressing the high-performance feature and achieving the product value for clients and never compromise in pursuing the true performance.

Our client

Clients are our proudest achievements. Now over 200 of our clients are the best game players in their fields in more than 33 countries. We regard the clients' successes as our biggest accomplishments and appreciate their contribution in different fields. Clients use our LEDs not just for simple lighting, but to design the lighting for plants, cameras, sensors, health, circadian rhythm, animals, and other industries that we have never imagined that our technologies can be utilized. That makes our work so meaningful.

Our Mission

We believe the lighting industry is constantly evolving with strong demands of high-performance LED light source products that support entertainment, well-being, health, energy-saving initiatives, photoelectric devices and standardized applications. Our mission is to illuminate the future of lighting.

Event & Application Guide



Since 2015

We provide photography lighting solutions for Hollywood film and television projects in the United States.



2018

We provide promotional video camera lighting solutions for the Pyeongchang Winter Olympics, South Korea.



2021

We participate in standard formulation with the Standardization Committee of JSPST.



	Horticulture lighting	Machine vision	Healthcare lighting
APS series	●	●	●
VTC series	●	●	●
BC series	●	●	●
HE series	—	—	●
Nourish series	●	—	—
WlBeing series	—	—	●
Monochromatic series	●	●	—
Multichromatic series	—	—	●
Color Matrix series	—	—	—
CIE & Specialized series	●	●	—



2022

We provide plant growth lighting solution for the Cultivation Research Project of China National Botanical Garden.





2023

We provide the Circadian Rhythm Lighting solution for the International Space Station Project.





2023

Our spectral simulation technology simulates CIE light sources and won the LPS Digital Innovation Award.

SDIGITAL

PRODUCT AWARD



WINNER IN CATEGORY
LEDS

CIE LED Technology

Residential & hospitality lighting	Retail & museum lighting	Photography & stage lighting	Color management
●	●	●	●
●	●	—	●
●	●	●	—
●	●	●	—
—	●	—	—
●	—	—	—
—	—	●	—
●	—	●	—
—	—	●	—
—	—	—	●

APS Series LED

Applications

Horticulture lighting

Machine vision

Healthcare lighting

Residential & Hospitality lighting

Retail & Museums lighting

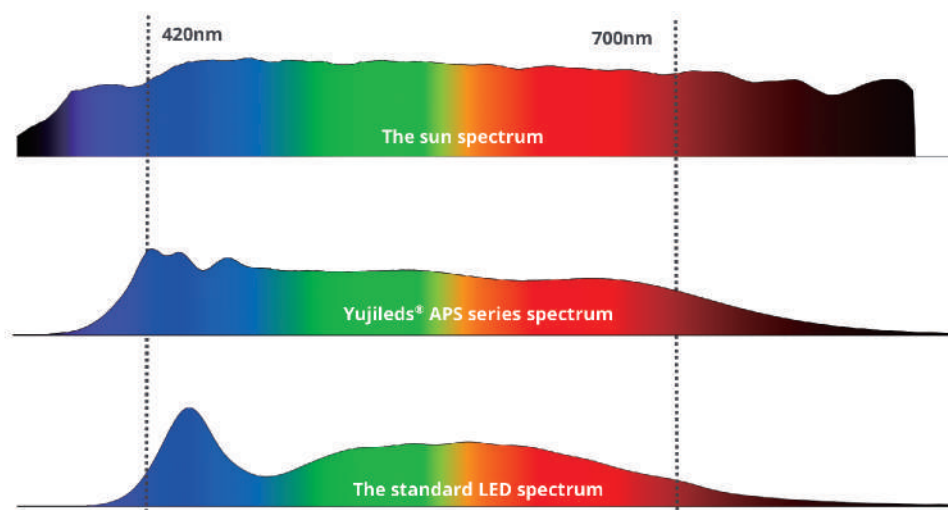
Photography & Stage lighting

Color management

APS Series LED

99% spectral similarity to the sunlight

Yujileds® APS series LED is based on innovative and revolutionary technologies, the APS spectra achieve 99% similarity within one compact package which the spectrum coverage to 420nm – 700nm, unprecedented for all of the Yujileds® high CRI LEDs ever.








Features

Full spectrum 99% spectral similarity to the sunlight spectrum

High CRI up to 99 performances, R1 - R15>90

TLCI 100 & TM-30: Rf 98, Rg 100

Lifespan>54000 hours (IES LM80)

	Footprint / LES Diameter (mm)	Forward Voltage (V)	Luminous Flux (lm)	Rated Forward Current (mA)	Maximum Power (W)	Luminous Efficacy (lm/W)
APS 2835 	2.8 * 3.5	8.6 - 9.2	120	100	1.2	130
APS 3030 	3.0 * 3.0	8.6 - 9.2	110	100	1.2	130
APS 1313L 	8	31 - 39	1000	300	13.5	110
APS 1919L 	12	32 - 39	2200	600	25	110
APS 230H 	23	51 - 57	12100	2400	200	100

VTC Series LED

Applications

Horticulture lighting

Machine vision

Healthcare lighting

Residential & Hospitality lighting

Retail & Museums lighting

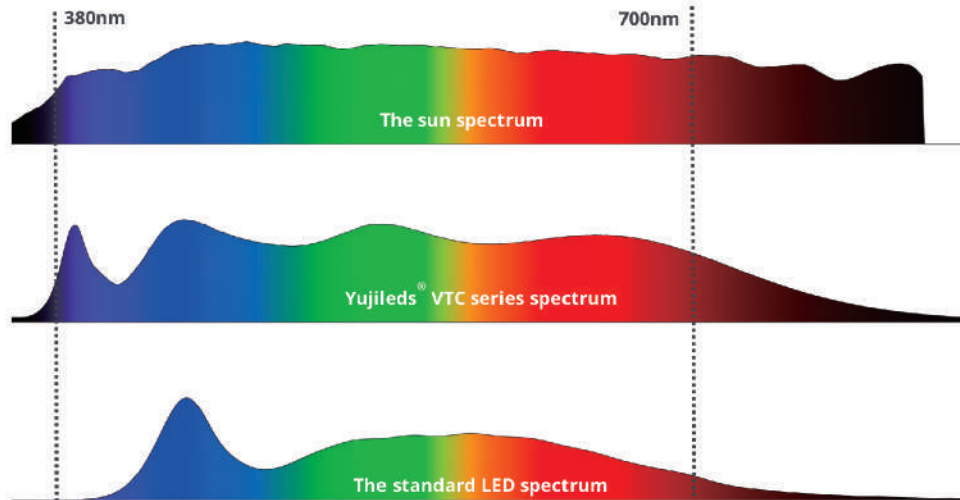
Color management

Photographic/broadcast lighting

VTC Series LED

Spectral similarity to the visible sunlight

Yujileds® VTC technology succeeds in broadening the spectrum coverage to 380nm – 700nm, which is 40% more coverage than a standard LED spectrum, the homogeneous spectral power distribution hence it mimics 95% similarity to the sunlight within the visible spectrum.







Features

Full spectrum 95% spectral similarity to the sunlight

High CRI 98 performance, R9>90

TLCI 99 & TM-30: Rf 97, Rg 100

Exempt Risk Group certified (IEC62471)

	Footprint / LES Diameter (mm)	Forward Voltage (V)	Luminous Flux (lm)	Rated Forward Current (mA)	Maximum Power (W)
VTC 2835X 	2.8 * 3.5	3.0 – 3.4	20	90	0.3
VTC 2835MX 	2.8 * 3.5	3.0 – 3.4	38	120	0.6
VTC 135L 	11.2	17 – 21	600	450	12.1
VTC 135XL 	11.2	16 – 24	400	240	6

HE Series LED

Applications

- Healthcare lighting
- Residential & Hospitality lighting
- Retail & Museums lighting
- Photography & Stage lighting

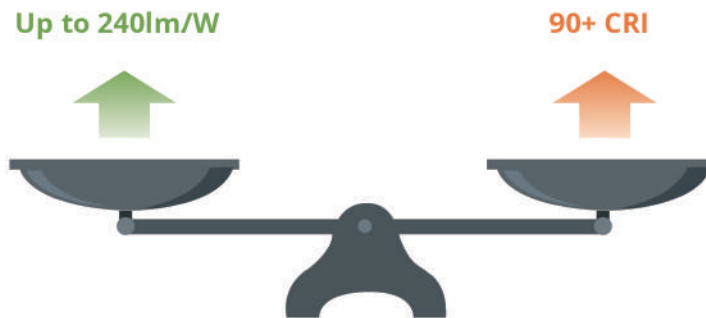
HE Series LED

Up to 240lm/W

Yujileads® HE series LED technology aims to provide the superb luminous efficacy to match the increasing demand of energy saving in the commercial lighting industry by providing up to 240lm/W and appropriate lighting design.



Yujileads® HE series LED overcomes this by achieving up to 240lm/W and 90+ CRI when the conventional high luminous efficacy LEDs are all at 80 CRI.





Features

Luminous efficacy up to 240 lm/W

Vivid color performance CRI>90, R9>50

TM-30: Rf 90, Rg 99

Excellent lm/\$ performance

	Footprint / LES Diameter (mm)	Forward Voltage (V)	Luminous Flux (lm)	Rated Forward Current (mA)	Maximum Power (W)	Luminous Efficacy (lm/W)
HE 2835 	2.8 * 3.5	2.7 - 2.9	33	60	0.2	215
HE 2835H 	2.8 * 3.5	2.5 - 2.9	36.5	60	0.2	230
HE 1919L 	14	32.5	2540	500	43.6	145

NOURISH Series LED

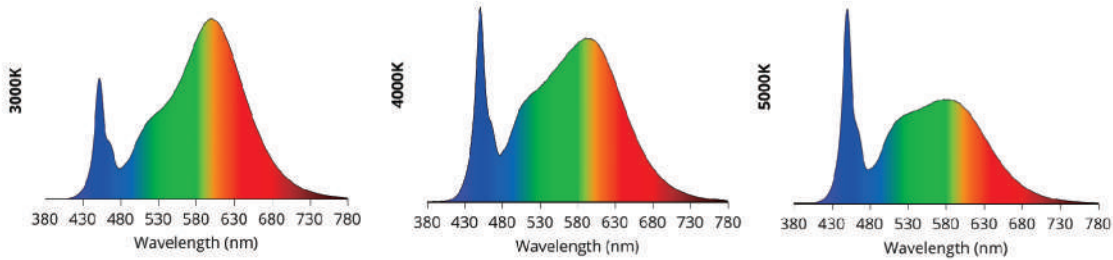
Applications

—
Horticulture lighting

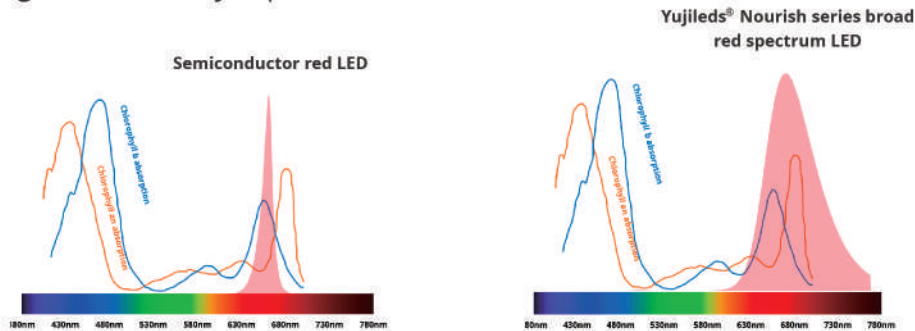
Nourish Series LED

Photosynthetic photon efficacy up to 3.4 $\mu\text{mol}/\text{J}$

Yujileds[®] Nourish series LED achieves the efficacy up to 3.4 $\mu\text{mol}/\text{J}$, PPE (Photosynthetic Photon Efficacy), and the voltage is controlled within 2.6V-2.8V for simple electrical design.



Yujileds[®] Nourish blue-red LED performs stably in the spectrum coverage and it gives a broad band from 580nm to 780nm which is involved in the absorption of chlorophyll a and b effectively, thereby improving the growth efficiency of plants.







Features

Full-spectrum for the coverage of Photosynthetically Active Radiation (PAR)

Photosynthetic photon efficacy (PPE) up to 3.4 $\mu\text{mol}/\text{J}$

Lifespan > 54000 hours (IES LM80)

	Footprint (mm)	Forward Voltage (V)	Photosynthetic Photon Efficacy (PPE) ($\mu\text{mol}/\text{J}$)	Rated Forward Current (mA)	Maximum Power (W)	Color
NR 2835HP 	2.8 * 3.5	2.5 - 2.9	3.2	60	500	White
NR 3030HP 	3.0 * 3.0	2.6 - 2.8	3.4	60	500	White
NR 2835HP BR 	2.8 * 3.5	2.9	2.10	150	1000	Blue & PC-Red
NR 3535HP 	3.5 * 3.5	2.2	4.1	350	800	660nm Red

WLBEING Series LED

Applications

Healthcare lighting

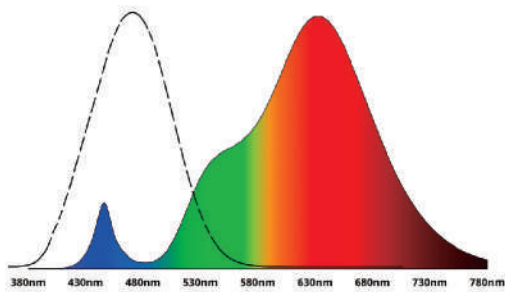
Residential & Hospitality lighting

Biological research

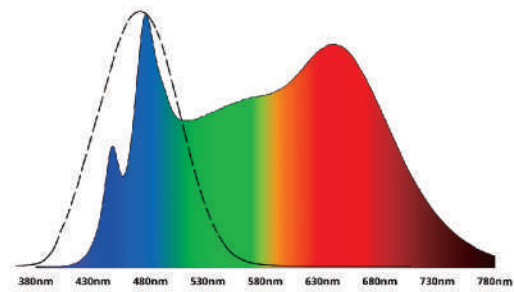
WlBeing Series LED

More energizing, More relaxing

Yujileds® Circadian Rhythm Lighting technology provides solutions and brings Wlbeing series LED, which aims to provide effective circadian rhythm stimulus lighting for focusing and relaxing by the well-designed spectral engineering technologies. At same time, we combine our high CRI technology of CRI 85-95 to achieve color reproduction capabilities. The high CRI performance comes from the genes of our LED technology and it is a unique feature for the circadian rhythm LED to the market.



● Wlbeing Nite for melatonin promotion



● Wlbeing Day for melatonin restraint

Features

Optimized M/P ratio and MDER

Excellent biological comfortable

Blue-light-hazard excluded

Consistent and uniform chromaticity

	Footprint (mm)	Forward Voltage (V)	Color Temperature	Luminous Flux (lm)	Rated Forward Current (mA)	Maximum Power (mW)	CRI	Melanopic Photopic Ratio	Melanopic Daylight Efficacy Ratio
WB 3030 Nite	3.0 * 3.0	6.2 - 6.6	2200	140	250	2000	>85	0.294	0.268
			2700	140	250	2000	>85	0.375	0.342
WB 3030 Day	3.0 * 3.0	6.2 - 6.6	4000	140	250	2000	>90	0.906	0.825
			5000	160	250	2000	>90	1.015	0.925

BC Series LED

A photograph of a grocery store produce section. In the foreground, there are several wooden crates filled with fresh produce. The top crate is filled with bright red pomegranates. Below it, there are crates of red and yellow apples. To the right, there are crates of lemons. The background shows a long aisle of the store with more produce and bright, rectangular LED lights on the ceiling. The lighting is very bright and focused on the produce, highlighting their colors.

Applications

Horticulture lighting

Machine vision

Healthcare lighting

Residential & Hospitality

Retail & Museums lighting

Photography & Stage lighting

BC Series LED

High CRI performance for all color temperatures

Yujileds® BC series LED provides industrial high CRI with full CCT options. It is one of the most economical LED solutions which can be used in a variety of applications demanding high color quality and homogeneous lighting distribution. Yujileds® BC series LED has the optimal color rendering performance in the global markets. Achieving typical Ra 97 and minimum Ra 95, the stability and consistent quality in mass production are verified by statistical identification.

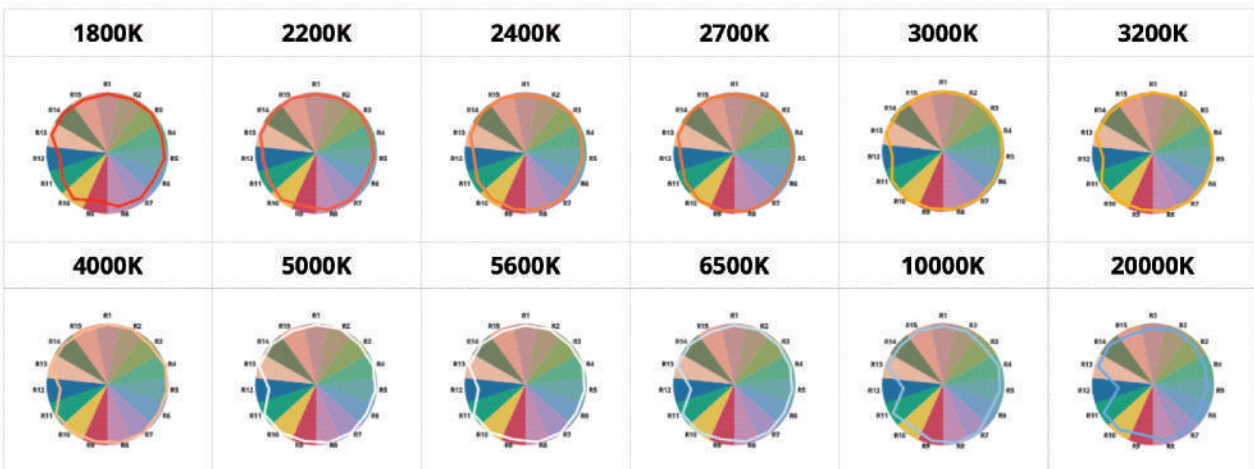


● 80 CRI LED



● Yujileds® BC 97 CRI LED

In comparison to a standard LED on the market is generally in the available CCT range of 2700K-6500K, and high CRI LEDs are more limited to fewer options, Yujileds® BC series LED can be extended to 1800K-20000K with the unique phosphor solutions, maintaining the CRI still above 92-97 and excellent spectral qualities. Moreover, looking into the specific Ri in each CCT, the color rendition is well balanced without significant difference, even for the extreme CCTs. Therefore, the CRI is always consistent regardless of what CCT we combine with the BC series LEDs.












Features

High CRI up to 98 performance, R9>90

TLCI 97 & TM-30: Rf 92, Rg 100

Lifespan>54000 hours (IES LM80)

	Footprint / LES Diameter (mm)	Forward Voltage (V)	Luminous Flux (lm)	Rated Forward Current (mA)	Maximum Power (W)
BC 2835L 	2.8 * 3.5	2.8 – 3.2	25	60	0.3
BC 2835M 	2.8 * 3.5	3.0 – 3.4	60	150	0.6
BC 3030 	3.0 * 3.0	3.0 – 3.4	110	300	1.35
BC 3030 (G04) 	3.0 * 3.0	3.0 – 3.4	120	300	1.35
BC 3032 	3.0 * 3.2	2.8 – 3.4	60 (per channel)	150 (per channel)	1.2
BC 1313S 	8	34 – 40	1000 (per channel)	300 (per channel)	13.5
BC 125H 	12.5	33 – 39	7700	3000	125
BC 250H 	25	38 – 44	30500	10000	400
BC 480H 	48.4	54	1200000	24000	1600

MONOCHROMATIC

Series LED

Applications

Horticulture lighting

Machine vision

Accent lighting

Architecture lighting

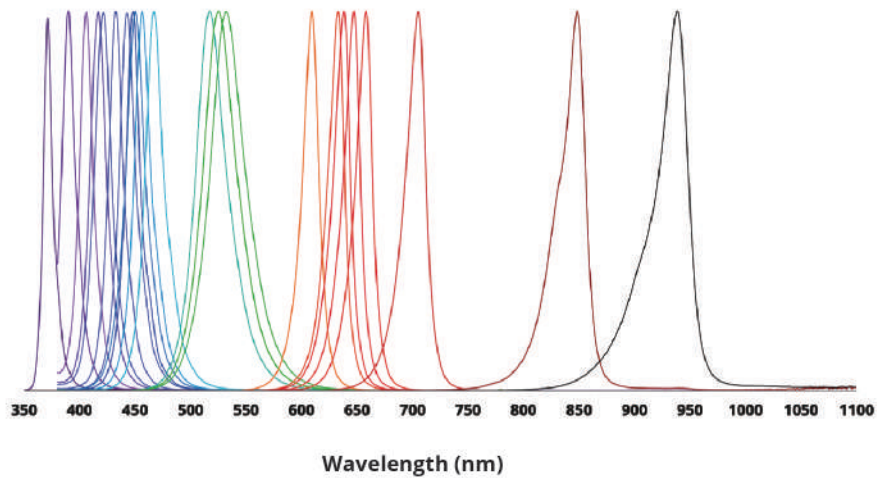
Advertising lighting

Photography & stage lighting

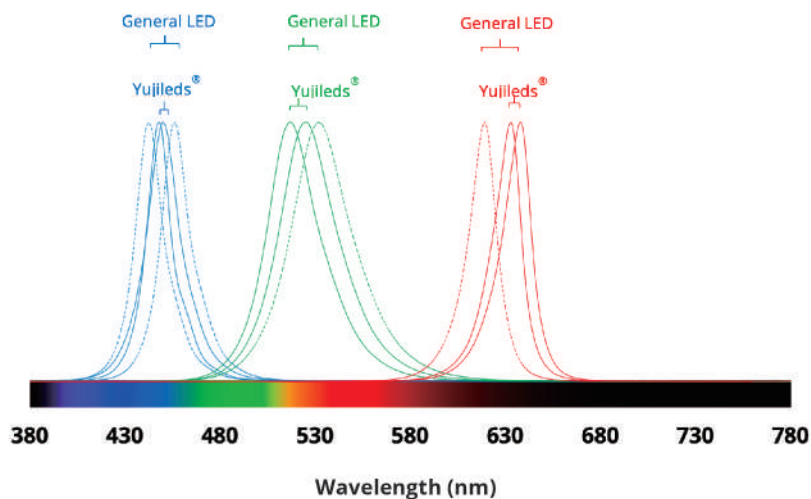
Monochromatic Series LED

Consistent and saturated chromaticity

Yujileds® Monochromatic series LED is the supplements for high CRI white light and integrated R/G/B LEDs. The product offers more flexible definitions for different and single wavelengths. Starting from UV, to IR, the Monochromatic series LED covers the full wavelength of 370nm – 940nm.



For specific applications such as entertainment or architectural lighting, color consistency and stability are extremely important and are affecting the value of the product. However, the wavelength tolerance of general LEDs is so great that it generates risk in consistency control, Yujileds® offers up to 2.5nm binning, securing the tolerance to a great extent.



Features

Full wavelength coverage

Consistent and saturated chromaticity

Flexible for sophisticated color combination

	Footprint (mm)	Color	Forward Voltage (V)	Peak Wavelength (nm)	Rated Forward Current (mA)	Maximum Power (mW)
SX 2835 01R 	2.8 * 3.5	Red	1.8 – 2.3	630	60	360
SX-2835 01G 	2.8 * 3.5	Green	2.6 – 3.1	520	60	500
SX 2835 01B 	2.8 * 3.5	Blue	2.7 – 3.1	450	60	500
SX 2835 01V 	2.8 * 3.5	Violet	2.9 – 3.4	405	60	450
SX 3030 01G 	3.0 * 3.0	Lime	3.0 – 3.4	550	300	1350
SX 3030 01B 	3.0 * 3.0	Blue	3.0 – 3.4	450	300	1350
SX 3030 01A 	3.0 * 3.0	Amber	3.0 – 3.4	600	300	1350
SX 3030 02G 	3.0 * 3.0	Green	2.5 – 3.2	520	300	1000
SX 3030 01R 	3.0 * 3.0	Red	3.0 – 3.4	650	300	1350
SX 3030 02R 	3.0 * 3.0	Red	3.0 – 3.4	660	300	1350

MULTICHROMATIC

Series LED

A row of cylindrical LED light fixtures in various colors (red, blue, green, orange) against a dark background. The fixtures are arranged in a perspective line, receding into the distance. The background is dark with some blurred light sources, including a prominent vertical orange light source on the right.

Applications

Healthcare lighting

Residential & Hospitality lighting

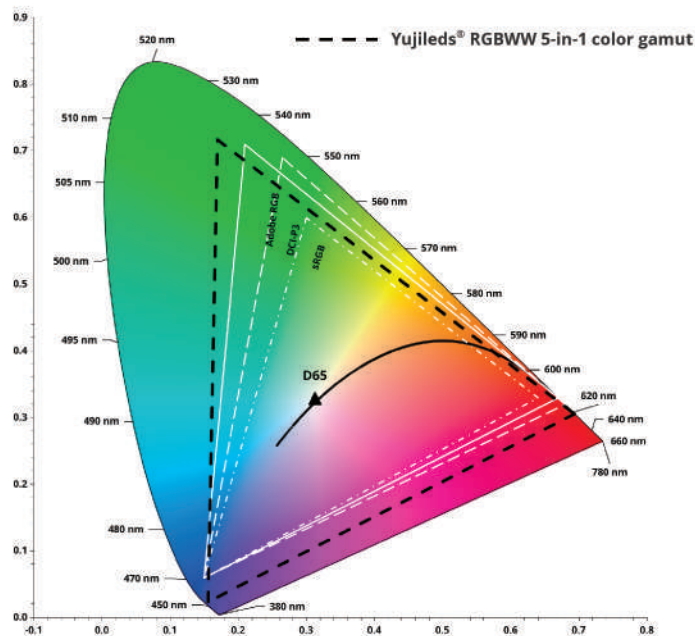
Photography & Stage lighting

Photoelectric device and relevant research

Multichromatic Series LED

Full tunability in one compact package

Yujileds® Multichromatic series LED is defined as "integrated colors/CCTs in one LED package". It brings more compact construction and higher power density, and simplifies the optical design. The series also features in higher color quality and homogeneous lighting distribution.



Based on Yujileds® high CRI technology with powerful light energy. Up to 98 CRI, the white light is able to present true colors even in such a limited size. Yujileds® high CRI LED technology is based on the efficient blue die, mixing with Yuji advanced phosphors which are all developed and manufactured by ourselves, and specifically designed spectral recipes.





Ra	97
R1	98
R2	99
R3	98
R4	97
R5	97
R6	96
R7	96
R8	97
R9	96
R10	99
R11	96
R12	85
R13	97
R14	98
CRI	96

Features

High CRI 95 performance of white light

Full-color gamut of red, green and blue

TLCI & TM-30 specified (white light)

	Footprint / LES Diameter (mm)	Color	Forward Voltage (V)	Light Output	Rated Forward Current (mA)	Maximum Power (mW)	CRI	R9
RGB 5050L 	5.3 * 5.0	Red	1.9 - 2.4	800 mcd	20	200	—	—
		Green	2.7 - 3.5	1700 mcd	20		—	—
		Blue	2.8 - 3.5	550 mcd	20		—	—
RGB 5050H 	5.3 * 5.0	Red	1.9 - 2.4	45 mW	60	630	—	—
		Green	2.7 - 3.5	33 mW	60		—	—
		Blue	2.8 - 3.5	75 mW	60		—	—
RGB 5054 	5.4 * 5.0	Red	2.0 - 2.4	20 lm	150	260	—	—
		Green	2.9 - 3.4	45 lm	150	480	—	—
		Blue	3.0 - 3.4	10 lm	150	480	—	—
RGBW 5050 	5.4 * 5.0	Red	1.8 - 2.4	3 lm	20	44	—	—
		Green	2.7 - 3.4	6 lm	30	96	—	—
		Blue	2.7 - 3.4	2 lm	30	96	—	—
		White	2.7 - 3.4	7 lm	30	96	95	90
RGBW 5050H 	5.0 * 5.0	Red	1.8 - 2.4	20 lm	150	360	—	—
		Green	2.8 - 3.6	45 lm	150	576	—	—
		Blue	3.0 - 3.6	10 lm	150	576	—	—
		White	3.0 - 3.6	53 lm	150	576	>95	90
RGBWW 5050L 	5.4 * 5.0	Red	1.9 - 2.4	1000 mcd	20	500	—	—
		Green	2.9 - 3.3	1700 mcd	20		—	—
		Blue	3.0 - 3.4	500 mcd	20		—	—
		Cold White	2.7 - 3.2	11 lm	30		>95	80
		Warm White	2.7 - 3.2	11 lm	30		>93	80
RGBWW 7070M 	7.0 * 7.0	Red	1.9 - 2.5	28 lm	150	2500	—	—
		Green	2.8 - 3.4	50 lm	150		—	—
		Blue	3.0 - 3.4	12 lm	150		—	—
		Cold White	3.0 - 3.4	46 lm	150		>95	90
		Warm White	3.0 - 3.4	56 lm	150		>94	90



COLOR Matrix LED

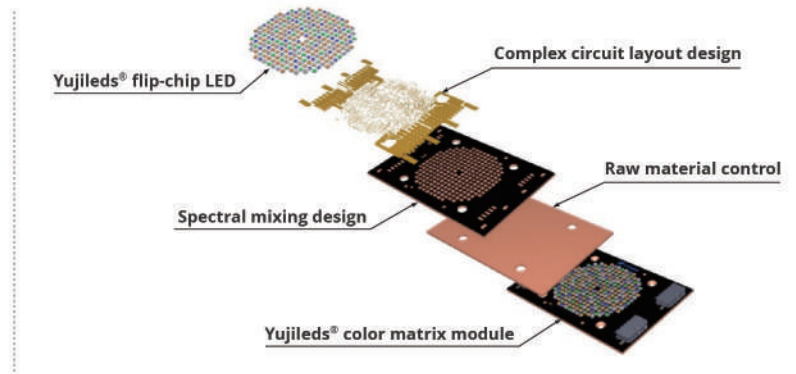
Applications

- Photography & Stage lighting
- Effect & Accent lighting
- Film & studio lighting
- Architectural lighting

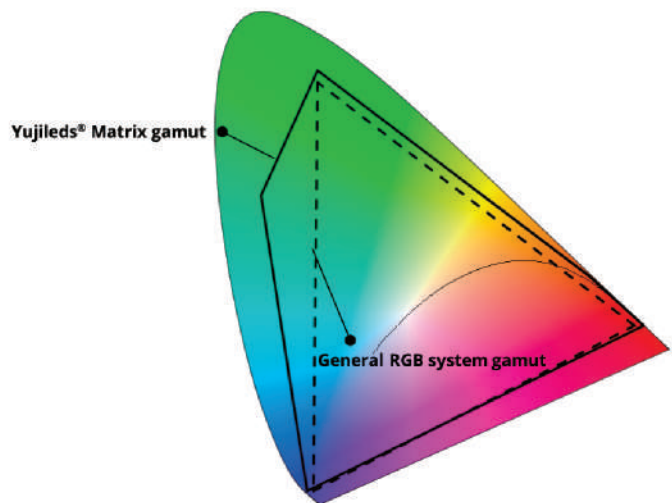
Color Matrix LED

Industry high-density illumination

Yujileds® Color Matrix aims to provide high-density illumination with high-performance white, tunable-white light and full-color lighting options for a variety of applications that require focusing light, accurate chromaticity and excellent color rendition. The Color Matrix is developed based on the purpose of simplifying the optical design with the small Light Emitting Surface (LES) to accomplish the spectra mixing.



Compared to a general RGB system, Yujileds® Matrix provides richer color gamut coverage significantly, which enables the possibility to create more colors by appropriate tuning programs. This is especially meaningful for film and stage lighting that the lighting designer and director could get more tints to create different lighting environments.



Features






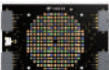
High power density LED matrix

CRI 95+ (white light)

Accurate chromaticity, up to 2.5nm wavelength tolerance (single color)

Full line-up color / CCT options

Flexible layout design for customization

	Footprint / LES Diameter (mm)	Color	Forward Voltage (V)	Luminous Flux(lm) @ Rated Current	Peak Wavelength (nm)	Rated Forward Current (mA)	Maximum Power (mW)	CRI
CM 7080H 	7.0 * 8.0	2700K	2.8 - 3.4	275	—	700	5	>95
		6500K	2.8 - 3.4	380	—	700	5	>95
		Blue	2.8 - 3.4	100	455	700	5	—
		Cyan	2.5 - 3.4	330	495	700	5	—
		Green	2.3 - 3.0	500	520	700	5	—
		PC-lime	2.8 - 3.4	660	515	700	5	—
		PC-amber	2.8 - 3.4	215	600	700	5	—
		Red	TBD	TBD	630	TBD	TBD	—
		PC-red	2.8 - 3.4	85	650	700	5	—
B3220001.26 	24.0	2700K	33 - 41	3100	—	1400	120	98
		6500K	33 - 41	3900	—	1400	120	95
B3220003.26 	40.0	2700K	33 - 41	10800	—	4000	360	98
		6500K	33 - 41	13800	—	4000	360	95
B3220005.26 	50.0	2700K	33 - 41	2000	—	8400	720	98
		6500K	33 - 41	25600	—	8400	720	95
B3220001.01 	41	2700K	33 - 41	3600	—	1400	120	98
		6500K	33 - 41	4600	—	1400	120	95
		Blue	33 - 41	840	455	1400	120	—
		Green	33 - 41	4950	520	1400	100	—
		Red	33 - 41	1800	630	1400	72	—
B3220004.01 	58.0	2700K	33 - 41	6700	—	2800	240	98
		6500K	33 - 41	8600	—	2800	240	95
		Blue	33 - 41	1250	455	2800	240	—
		Green	33 - 41	9000	520	2800	200	—
		Red	33 - 41	3300	630	2800	144	—

CIE & SPECIALIZED Series LED



Applications

Horticulture lighting

Machine vision

Color management

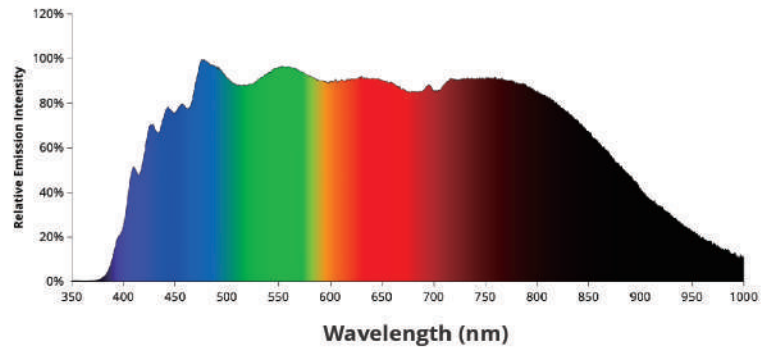
Hyperspectral device

Photoelectric device and relevant research



P3230004 (CIE Illuminant E LED)

This LED illuminates nearly an equal-energy power distribution among visible wavelength range following the definition of CIE Illuminant E. It is designed as an ideal incident light source for absorption spectral analytical equipment of all kinds. Optical friendly packages in 3030 or 5050 are available.



Features

CIE standard illuminant E spectral power distribution

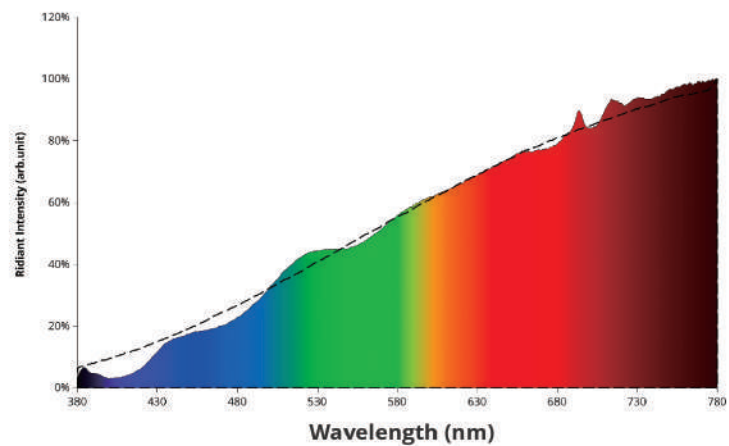
Equal-energy spectral power distribution

Enhanced infrared radiance

	Footprint (mm)	Forward Voltage (V)	Wavelength Range (nm)	Radiant flux (mW)	Rated Forward Current (mA)	Maximum Power (mW)
P3230004.01 	5.0 * 5.0	18	380 - 1000	510	200	5400

P3230005 (CIE Illuminant A LED)

This LED spectrum simulates for CIE A/halogen lamp that achieve smooth performance in the visible range. In this solution, we divide the spectrum into three distinct fractions, the blue-violet fraction, the conventional RGB phosphor fraction, and the deep red and infrared fractions. The spectra were adjusted separately starting from the short wave, and finally assembled for fine-tuning.



Features

Full-spectrum accurate simulation for CIE A / halogen lamp / incandescent

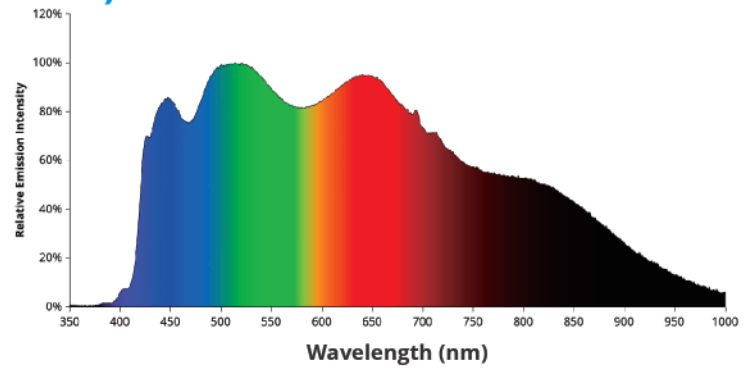
Broadband spectral range covering 380nm-1000nm

Enhanced infrared radiance

	Footprint (mm)	Forward Voltage (V)	Wavelength Range (nm)	Radiant flux (mW)	Rated Forward Current (mA)	Maximum Power (mW)
P3230005.01 	5.0 * 5.0	2.8 - 3.6	350 - 1000	20	350	3000

P3230006 (CIE Illuminant D50 LED)

This LED illuminates nearly a Daylight 5000K (D50) spectral power distribution following the definition of CIE Illuminant D50. It is designed as an ideal incident light source for sunlight simulation, camera test, visual assessment (for graphics), spectral sensor calibration. Optical friendly packages in 3030 or 5050 are available.



Features

CIE standard illuminant D50 spectral power distribution

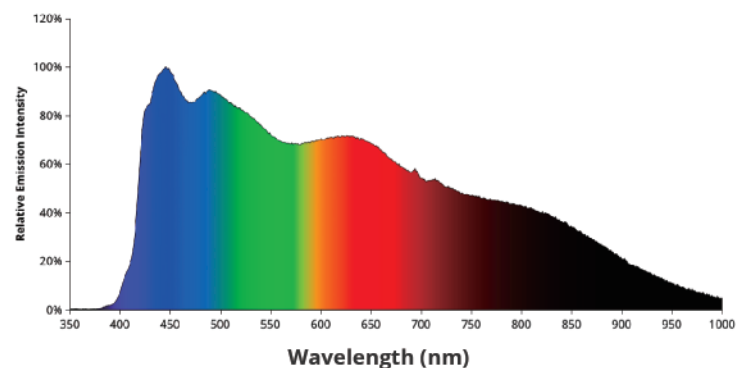
Broadband spectral range covering 380nm-1000nm

Enhanced infrared radiance

	Footprint (mm)	Forward Voltage (V)	Wavelength Range (nm)	Radiant flux (mW)	Rated Forward Current (mA)	Maximum Power (mW)
P3230006.01 	5.0 * 5.0	9	380 - 1000	310	240	5400

P3230007 (CIE Illuminant D65 LED)

This LED illuminates nearly a Daylight 6500K (D65) spectral power distribution following the definition of CIE Illuminant D65. It is designed as an ideal incident light source for sunlight simulation, camera test, visual color assessment (for color matching), spectral sensor calibration, diamond & gem grading. Optical friendly packages in 3030 or 5050 are available.



Features

CIE standard illuminant D65 spectral power distribution

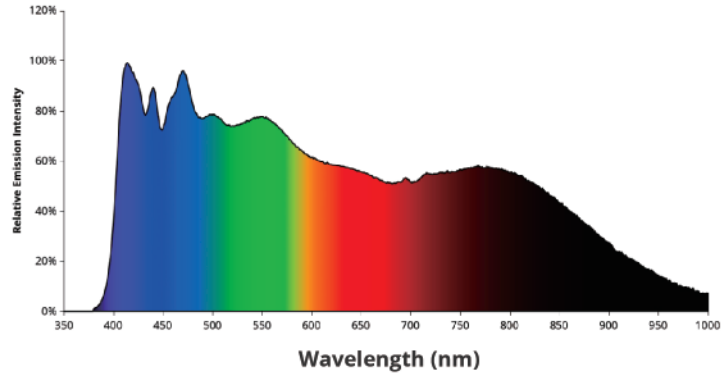
Broadband spectral range covering 380nm-1000nm

Enhanced infrared radiance

	Footprint (mm)	Forward Voltage (V)	Wavelength Range (nm)	Radiant flux (mW)	Rated Forward Current (mA)	Maximum Power (mW)
P3230007.01 	5.0 * 5.0	9	380 - 1000	407	240	5400

P3230010 (High density hyperspectral LED)

This LED was developed to provide broad wavelength coverage, flat spectral shape and high radiant flux density for scientific research and industrial inspection applications.



Features

Homogeneous spectral power distribution

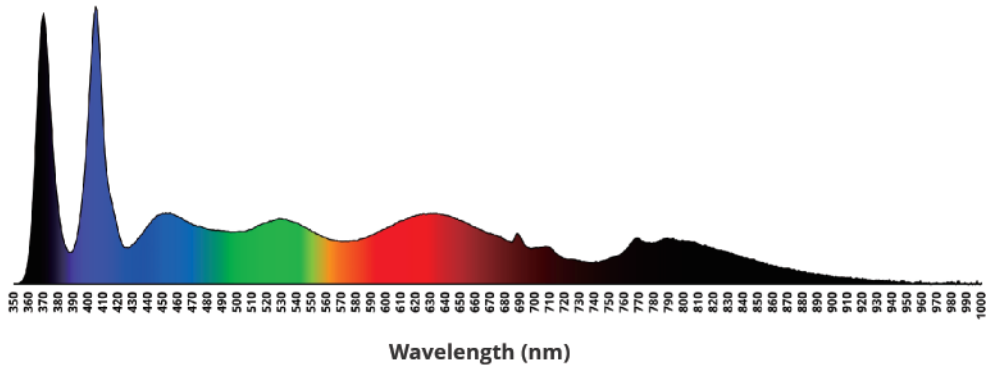
Broadband spectral range covering 380nm-1000nm

Enhanced infrared radiance

	Footprint (mm)	Forward Voltage (V)	Wavelength Range (nm)	Radiant flux (mW)	Rated Forward Current (mA)	Maximum Power (mW)
P3230010.01 	5.0 * 5.0	9	350 - 1000	800	400	5400

YJ-VTC-Q-2835 (Hyperspectral LED)

This LED is applied in a 2835 package with the shortest wavelength of 370nm chip and the longest wavelength of 800nm phosphor, this full spectrum achieves the coverage from 350nm to 1000nm, which is also the limitation of the test range for general spectrometers.



Features

Full spectrum coverage between 350nm - 1000nm

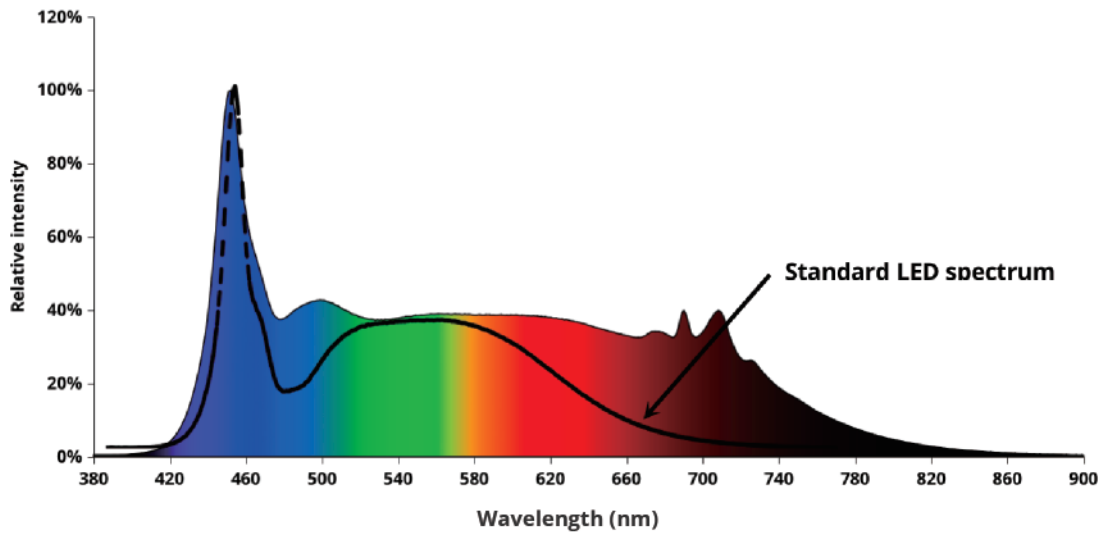
Equal-energy spectral power distribution

Enhanced infrared radiance

	Footprint (mm)	Forward Voltage (V)	Wavelength Range (nm)	Radiant Flux (mW)	Rated Forward Current (mA)	Maximum Power (mW)
VTC-Q 2835 	2.8 * 3.5	6.0 - 6.8	350 - 1000	100	60	500

P3210003 (Near-infrared enhanced LED)

This mid-power LED is applied in a 3030 package. It is designed with enhanced near-infrared spectral power distribution particularly to the range of 600nm-800nm. Compared to a standard LED, it extends nearly 50% of the longer wavelength and achieves 90 CRI.



Features

Enhanced near infrared spectrum to 600nm-800nm

Equal-energy spectral power distribution

	Footprint (mm)	Forward Voltage (V)	Wavelength Range (nm)	Radiant flux (mW)	Rated Forward Current (mA)	Maximum Power (mW)
P3210003.65 	3.0 * 3.0	3.0 - 3.4	420 - 820	315	300	1350

Product list

Series	Product type	Part number	Product code	Size	Rated forward current (mA)	Max. forward current (mA)	Typ. forward voltage (V)	CCT	Color	Luminous flux (lm)	CRI	TM-30 Rf/Rg	TLCI
APS	SMD	YJ-APS-2835HC-G01-27	P3220024.27	2.8mm x 3.5mm	100	120	8.6-9.2	2700K	●	95-105	up to 99	98 / 100	99
APS	SMD	YJ-APS-2835HC-G01-30	P3220024.30	2.8mm x 3.5mm	100	120	8.6-9.2	3000K	●	103-113	up to 99	98 / 100	99
APS	SMD	YJ-APS-2835HC-G01-35	P3220024.35	2.8mm x 3.5mm	100	120	8.6-9.2	3500K	●	105-115	up to 99	98 / 100	99
APS	SMD	YJ-APS-2835HC-G01-40	P3220024.40	2.8mm x 3.5mm	100	120	8.6-9.2	4000K	●	108-118	up to 99	98 / 100	99
APS	SMD	YJ-APS-2835HC-G01-50	P3220024.50	2.8mm x 3.5mm	100	120	8.6-9.2	5000K	●	113-123	up to 99	98 / 100	99
APS	SMD	YJ-APS-2835HC-G01-65	P3220024.65	2.8mm x 3.5mm	100	120	8.6-9.2	6500K	●	110-120	up to 99	98 / 100	99
APS	SMD	YJ-APS-3030HC-G01-27	P3220008.27	3.0mm x 3.0mm	100	120	8.6-9.2	2700K	●	89-99	up to 99	98 / 100	99
APS	SMD	YJ-APS-3030HC-G01-32	P3220008.32	3.0mm x 3.0mm	100	120	8.6-9.2	3200K	●	98-108	up to 99	98 / 100	99
APS	SMD	YJ-APS-3030HC-G01-56	P3220008.56	3.0mm x 3.0mm	100	120	8.6-9.2	5600K	●	102-112	up to 99	98 / 100	99
APS	SMD	YJ-APS-3030HC-G01-65	P3220008.65	3.0mm x 3.0mm	100	120	8.6-9.2	6500K	●	104-114	up to 99	98 / 100	99
APS	COB	YJ-APS-1313L-G01-27	P3220037.27	13.5mm x 13.5mm, LES Ø10.3mm	300	450	32-39	2700K	●	800-900	up to 99	98 / 100	99
APS	COB	YJ-APS-1313L-G01-30	P3220037.30	13.5mm x 13.5mm, LES Ø10.3mm	300	450	32-39	3000K	●	850-950	up to 99	98 / 100	99
APS	COB	YJ-APS-1313L-G01-40	P3220037.40	13.5mm x 13.5mm, LES Ø10.3mm	300	450	32-39	4000K	●	950-1050	up to 99	98 / 100	99
APS	COB	YJ-APS-1919L-G01-27	P3220038.27	19mm x 19mm, LES Ø12.4mm	600	720	32-39	2700K	●	1600-1950	up to 99	98 / 100	99
APS	COB	YJ-APS-1919L-G01-30	P3220038.30	19mm x 19mm, LES Ø12.4mm	600	720	32-39	3000K	●	1680-2050	up to 99	98 / 100	99
APS	COB	YJ-APS-1919L-G01-40	P3220038.40	19mm x 19mm, LES Ø12.4mm	600	720	32-39	4000K	●	1850-2250	up to 99	98 / 100	99
APS	COB	YJ-APS-2303H-G01-27	P3220039.27	34mm x 34mm, LES Ø23mm	2400	3600	51-57	2700K	●	10300	up to 99	98 / 100	99
APS	COB	YJ-APS-2303H-G01-32	P3220039.32	34mm x 34mm, LES Ø23mm	2400	3600	51-57	3200K	●	11300	up to 99	98 / 100	99
APS	COB	YJ-APS-2303H-G01-56	P3220039.56	34mm x 34mm, LES Ø23mm	2400	3600	51-57	5600K	●	11900	up to 99	98 / 100	99
APS	COB	YJ-APS-2303H-G01-65	P3220039.65	34mm x 34mm, LES Ø23mm	2400	3600	51-57	6500K	●	12100	up to 99	98 / 100	99

Series	Product type	Part number	Product code	Size	Rated forward current (mA)	Max. forward current (mA)	Typ. forward voltage (V)	CCT	Color	Luminous flux (lm)	CRI	TM-30 Rf/Rg	TLCI
VTC	SMD	YJ-VTC-2835X-G02-27	P3190001.27	2.8mm x 3.5mm	60	90	3.0-3.4	2700K	●	10-14	98	97 / 100	99
VTC	SMD	YJ-VTC-2835X-G02-32	P3190001.32	2.8mm x 3.5mm	60	90	3.0-3.4	3200K	●	12-16	98	97 / 100	99
VTC	SMD	YJ-VTC-2835X-G02-50	P3190001.50	2.8mm x 3.5mm	60	90	3.0-3.4	5000K	●	12-17	98	97 / 100	99
VTC	SMD	YJ-VTC-2835X-G02-56	P3190001.56	2.8mm x 3.5mm	60	90	3.0-3.4	5600K	●	13-18	98	97 / 100	99
VTC	SMD	YJ-VTC-2835X-G02-65	P3190001.65	2.8mm x 3.5mm	60	90	3.0-3.4	6500K	●	13-18	98	97 / 100	99
VTC	SMD	YJ-VTC-2835X-G03-27	P3220006.27	2.8mm x 3.5mm	60	90	3.0-3.4	2700K	●	15.5-18	98	97 / 100	99
VTC	SMD	YJ-VTC-2835X-G03-32	P3220006.32	2.8mm x 3.5mm	60	90	3.0-3.4	3200K	●	16-18.5	98	97 / 100	99
VTC	SMD	YJ-VTC-2835X-G03-40	P3220006.40	2.8mm x 3.5mm	60	90	3.0-3.4	4000K	●	17-19.5	98	97 / 100	99
VTC	SMD	YJ-VTC-2835X-G03-50	P3220006.50	2.8mm x 3.5mm	60	90	3.0-3.4	5000K	●	17.5-20	98	97 / 100	99
VTC	SMD	YJ-VTC-2835X-G03-56	P3220006.56	2.8mm x 3.5mm	60	90	3.0-3.4	5600K	●	17-19.5	98	97 / 100	99
VTC	SMD	YJ-VTC-2835X-G03-65	P3220006.65	2.8mm x 3.5mm	60	90	3.0-3.4	6500K	●	17.5-20	98	97 / 100	99
VTC	SMD	YJ-VTC-2835MX-G02-27	P3190002.27	2.8mm x 3.5mm	120	150	3.0-3.4	2700K	●	20-26	98	97 / 100	99
VTC	SMD	YJ-VTC-2835MX-G02-32	P3190002.32	2.8mm x 3.5mm	120	150	3.0-3.4	3200K	●	24-30	98	97 / 100	99
VTC	SMD	YJ-VTC-2835MX-G02-50	P3190002.50	2.8mm x 3.5mm	120	150	3.0-3.4	5000K	●	24-32	98	97 / 100	99
VTC	SMD	YJ-VTC-2835MX-G02-56	P3190002.56	2.8mm x 3.5mm	120	150	3.0-3.4	5600K	●	26-32	98	97 / 100	99
VTC	SMD	YJ-VTC-2835MX-G02-65	P3190002.65	2.8mm x 3.5mm	120	150	3.0-3.4	6500K	●	26-32	98	97 / 100	99
VTC	SMD	YJ-VTC-2835MX-G03-27	P3220007.27	2.8mm x 3.5mm	120	150	3.0-3.4	2700K	●	26-36	98	97 / 100	99
VTC	SMD	YJ-VTC-2835MX-G03-32	P3220007.32	2.8mm x 3.5mm	120	150	3.0-3.4	3200K	●	27.5-37.5	98	97 / 100	99
VTC	SMD	YJ-VTC-2835MX-G03-40	P3220007.40	2.8mm x 3.5mm	120	150	3.0-3.4	4000K	●	28-39	98	97 / 100	99
VTC	SMD	YJ-VTC-2835MX-G03-50	P3220007.50	2.8mm x 3.5mm	120	150	3.0-3.4	5000K	●	28.5-39.5	98	97 / 100	99
VTC	SMD	YJ-VTC-2835MX-G03-56	P3220007.56	2.8mm x 3.5mm	120	150	3.0-3.4	5600K	●	27.5-38.5	98	97 / 100	99
VTC	SMD	YJ-VTC-2835MX-G03-65	P3220007.65	2.8mm x 3.5mm	120	150	3.0-3.4	6500K	●	28.5-39.5	98	97 / 100	99
VTC	COB	YJ-VTC-135XL-G01-27	P3150007.27	13.5mm x 13.5mm, LES Ø11mm	240	250	16-24	2700K	●	120-220	98	97 / 100	99
VTC	COB	YJ-VTC-135XL-G01-32	P3150007.32	13.5mm x 13.5mm, LES Ø11mm	240	250	16-24	3200K	●	145-250	98	97 / 100	99
VTC	COB	YJ-VTC-135XL-G01-56	P3150007.56	13.5mm x 13.5mm, LES Ø11mm	240	250	16-24	5600K	●	250-425	98	97 / 100	99
VTC	COB	YJ-VTC-135XL-G01-65	P3150007.65	13.5mm x 13.5mm, LES Ø11mm	240	250	16-24	6500K	●	250-425	98	97 / 100	99
VTC	COB	YJ-VTC-135L-G01-27	P3150006.27	13.5mm x 13.5mm, LES Ø11mm	450	600	17-21	2700K	●	440-475	98	97 / 100	99
VTC	COB	YJ-VTC-135L-G01-32	P3150006.32	13.5mm x 13.5mm, LES Ø11mm	450	600	17-21	3200K	●	497-536	98	97 / 100	99
VTC	COB	YJ-VTC-135L-G01-56	P3150006.56	13.5mm x 13.5mm, LES Ø11mm	450	600	17-21	5600K	●	585-630	98	97 / 100	99
VTC	COB	YJ-VTC-135L-G01-65	P3150006.65	13.5mm x 13.5mm, LES Ø11mm	450	600	17-21	6500K	●	585-630	98	97 / 100	99

Series	Product type	Part number	Product code	Size	Rated forward current (mA)	Max. forward current (mA)	Typ. forward voltage (V)	CCT	Color	Luminous flux (lm)	CRI	TM-30 Rf/Rg	TLCI
BC	SMD	YJ-BC-2835L-G03-18	P3190005.18	2.8mm x 3.5mm	60	90	2.8-3.2	1800K	●	13-16	up to 98	92/98	97
BC	SMD	YJ-BC-2835L-G03-22	P3190005.22	2.8mm x 3.5mm	60	90	2.8-3.2	2200K	●	15-18	up to 98	92/98	97
BC	SMD	YJ-BC-2835L-G03-24	P3190005.24	2.8mm x 3.5mm	60	90	2.8-3.2	2400K	●	16-19	up to 98	92/98	97
BC	SMD	YJ-BC-2835L-G03-27	P3190005.27	2.8mm x 3.5mm	60	90	2.8-3.2	2700K	●	18-21	up to 98	92/98	97
BC	SMD	YJ-BC-2835L-G03-30	P3190005.30	2.8mm x 3.5mm	60	90	2.8-3.2	3000K	●	19-22	up to 98	92/98	97
BC	SMD	YJ-BC-2835L-G03-32	P3190005.32	2.8mm x 3.5mm	60	90	2.8-3.2	3200K	●	19-22	up to 98	92/98	97
BC	SMD	YJ-BC-2835L-G03-40	P3190005.40	2.8mm x 3.5mm	60	90	2.8-3.2	4000K	●	21-24	up to 98	92/98	97
BC	SMD	YJ-BC-2835L-G03-50	P3190005.50	2.8mm x 3.5mm	60	90	2.8-3.2	5000K	●	21-24	up to 98	92/98	97
BC	SMD	YJ-BC-2835L-G03-56	P3190005.56	2.8mm x 3.5mm	60	90	2.8-3.2	5600K	●	22-25	up to 98	92/98	97
BC	SMD	YJ-BC-2835L-G03-65	P3190005.65	2.8mm x 3.5mm	60	90	2.8-3.2	6500K	●	22-25	up to 98	92/98	97
BC	SMD	YJ-BC-2835L-G03-100	P3190005.01	2.8mm x 3.5mm	60	90	2.8-3.2	10000K	●	20-23	up to 98	92/98	97
BC	SMD	YJ-BC-2835L-G03-200	P3190005.02	2.8mm x 3.5mm	60	90	2.8-3.2	20000K	●	19-22	up to 98	92/98	97
BC	SMD	YJ-BC-2835M-G03-27	P3200005.27	2.8mm x 3.5mm	150	200	3.0-3.4	2700K	●	45-51	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G03-30	P3200005.30	2.8mm x 3.5mm	150	200	3.0-3.4	3000K	●	46-52	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G03-32	P3200005.32	2.8mm x 3.5mm	150	200	3.0-3.4	3200K	●	46-52	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G03-40	P3200005.40	2.8mm x 3.5mm	150	200	3.0-3.4	4000K	●	52-58	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G03-50	P3200005.50	2.8mm x 3.5mm	150	200	3.0-3.4	5000K	●	54-60	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G03-56	P3200005.56	2.8mm x 3.5mm	150	200	3.0-3.4	5600K	●	54-60	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G03-65	P3200005.65	2.8mm x 3.5mm	150	200	3.0-3.4	6500K	●	54-60	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G04-27	P3220014.27	2.8mm x 3.5mm	150	200	3.0-3.4	2700K	●	45-51	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G04-30	P3220014.30	2.8mm x 3.5mm	150	200	3.0-3.4	3000K	●	46-52	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G04-32	P3220014.32	2.8mm x 3.5mm	150	200	3.0-3.4	3200K	●	46-52	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G04-40	P3220014.40	2.8mm x 3.5mm	150	200	3.0-3.4	4000K	●	52-58	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G04-50	P3220014.50	2.8mm x 3.5mm	150	200	3.0-3.4	5000K	●	54-60	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G04-56	P3220014.56	2.8mm x 3.5mm	150	200	3.0-3.4	5600K	●	54-60	up to 98	92/100	97
BC	SMD	YJ-BC-2835M-G04-65	P3220014.65	2.8mm x 3.5mm	150	200	3.0-3.4	6500K	●	54-60	up to 98	92/100	97
BC	SMD	YJ-BC-3030-G02-27	P3170001.27	3.0mm x 3.0mm	300	400	3.0-3.4	2700K	●	73-79	up to 98	92/98	97
BC	SMD	YJ-BC-3030-G02-32	P3170001.32	3.0mm x 3.0mm	300	400	3.0-3.4	3200K	●	81-87	up to 98	92/98	97
BC	SMD	YJ-BC-3030-G02-40	P3170001.40	3.0mm x 3.0mm	300	400	3.0-3.4	4000K	●	90-98	up to 98	92/98	97
BC	SMD	YJ-BC-3030-G02-50	P3170001.50	3.0mm x 3.0mm	300	400	3.0-3.4	5000K	●	94-100	up to 98	92/98	97
BC	SMD	YJ-BC-3030-G02-56	P3170001.56	3.0mm x 3.0mm	300	400	3.0-3.4	5600K	●	94-100	up to 98	92/98	97
BC	SMD	YJ-BC-3030-G02-65	P3170001.65	3.0mm x 3.0mm	300	400	3.0-3.4	6500K	●	96-102	up to 98	92/98	97
BC	SMD	YJ-BC-3030-G03-27	P3170009.27	3.0mm x 3.0mm	300	400	3.0-3.4	2700K	●	84-94	up to 98	92/100	97
BC	SMD	YJ-BC-3030-G03-32	P3170009.32	3.0mm x 3.0mm	300	400	3.0-3.4	3200K	●	91-101	up to 98	92/100	97
BC	SMD	YJ-BC-3030-G03-40	P3170009.40	3.0mm x 3.0mm	300	400	3.0-3.4	4000K	●	100-110	up to 98	92/100	97
BC	SMD	YJ-BC-3030-G03-50	P3170009.50	3.0mm x 3.0mm	300	400	3.0-3.4	5000K	●	104-114	up to 98	92/100	97
BC	SMD	YJ-BC-3030-G03-56	P3170009.56	3.0mm x 3.0mm	300	400	3.0-3.4	5600K	●	105-115	up to 98	92/100	97
BC	SMD	YJ-BC-3030-G03-65	P3170009.65	3.0mm x 3.0mm	300	400	3.0-3.4	6500K	●	105-115	up to 98	92/100	97
BC	SMD	YJ-BC-3030-G04-27	P3200017.27	3.0mm x 3.0mm	300	400	2.8-3.2	2700K	●	90-100	up to 98	92/98	97
BC	SMD	YJ-BC-3030-G04-32	P3200017.32	3.0mm x 3.0mm	300	400	2.8-3.2	3200K	●	100-110	up to 98	92/98	97
BC	SMD	YJ-BC-3030-G04-40	P3200017.40	3.0mm x 3.0mm	300	400	2.8-3.2	4000K	●	105-115	up to 98	92/98	97
BC	SMD	YJ-BC-3030-G04-50	P3200017.50	3.0mm x 3.0mm	300	400	2.8-3.2	5000K	●	112-122	up to 98	92/98	97
BC	SMD	YJ-BC-3030-G04-56	P3200017.56	3.0mm x 3.0mm	300	400	2.8-3.2	5600K	●	112-122	up to 98	92/98	97

BC	SMD	YJ-BC-3030-G04-65	P3200017.65	3.0mm x 3.0mm	300	400	2.8-3.2	6500K		112-122	up to 98	92 / 98	97
BC	SMD	YJ-BC-3032-G03-2765	P3200006.26	3.0mm x 3.2mm	150	180	2.8-3.4	2700K-6500K		44-50, 46-52	up to 98	92 / 98	97
BC	SMD	YJ-BC-3032-G03-3256	P3200006.35	3.0mm x 3.2mm	150	180	2.8-3.4	3200K-5600K		52-60, 52-50	up to 98	92 / 98	97
BC	COB	YJ-BC-1313S-G03-2765	P3220025.26	13.4mm x 13.4mm, LES Ø11.2mm	300	360	34-40	2700K,6500K		750-850,820-920	up to 98	92/98	97
BC	COB	YJ-BC-1313S-G03-3256	P3220025.35	13.4mm x 13.4mm, LES Ø11.2mm	300	360	34-40	3200K,5600K		950-1050	up to 98	92/98	97
BC	COB	YJ-BC-125H-G01-32	P3220003.32	36mm x 36mm, LES Ø12.5mm	3000	3600	33-39	3200K		6100	up to 98	92/98	97
BC	COB	YJ-BC-125H-G01-56	P3220003.56	36mm x 36mm, LES Ø12.5mm	3000	3600	33-39	5600K		7700	up to 98	92/98	97
BC	COB	YJ-BC-250H-G01-56	P3210005.56	40mm x 56mm, LES Ø25mm	1000	10000	38-44	5600K		30500	up to 98	92/98	97
BC	COB	YJ-BC-480H-G01-56	P3220002.56	80mm x 85mm, LES Ø48.4mm	24000	28000	54	5600K		120000	up to 98	92/99	98
Series	Product type	Part number	Product code	Size	Rated forward current (mA)	Max. forward current (mA)	Typ. forward voltage (V)	CCT	Color	Typ. Efficacy (lm/W)	CRI	TM-30 Rf/Rg	TLCI
HE	SMD	YJ-HE-2835-G01-30	P3220034.30	2.8mm x 3.5mm	60	300	2.7-2.9	3000K		190	>90	90 / 99	-
HE	SMD	YJ-HE-2835-G01-40	P3220034.40	2.8mm x 3.5mm	60	300	2.7-2.9	4000K		196	>90	90 / 99	-
HE	SMD	YJ-HE-2835-G01-65	P3220034.65	2.8mm x 3.5mm	60	300	2.7-2.9	6500K		196	>90	90 / 99	-
HE	SMD	YJ-HE-2835-G02-27	P3230011.27	2.8mm x 3.5mm	60	300	2.6 - 2.9	2700K		196	>90	90 / 99	-
HE	SMD	YJ-HE-2835-G02-30	P3230011.30	2.8mm x 3.5mm	60	300	2.6 - 2.9	3000K		196	>90	90 / 99	-
HE	SMD	YJ-HE-2835-G02-35	P3230011.35	2.8mm x 3.5mm	60	300	2.6 - 2.9	3500K		196	>90	90 / 99	-
HE	SMD	YJ-HE-2835-G02-40	P3230011.40	2.8mm x 3.5mm	60	300	2.6 - 2.9	4000K		196	>90	90 / 99	-
HE	SMD	YJ-HE-2835-G02-50	P3230011.50	2.8mm x 3.5mm	60	300	2.6 - 2.9	5000K		196	>90	90 / 99	-
HE	SMD	YJ-HE-2835H-G02-40	P3230012.40	2.8mm x 3.5mm	60	300	2.5 - 2.9	4000K		225	90	90 / 99	-
HE	COB	YJ-HE-1919L-G01-27	P3220015.27	19mm x 19mm, LES Ø14.5mm	500	1260	32.5	2700K		157	>90	90 / 99	-
HE	COB	YJ-HE-1919L-G01-30	P3220015.30	19mm x 19mm, LES Ø14.5mm	500	1260	32.5	3000K		170	>90	90 / 99	-
HE	COB	YJ-HE-1919L-G01-40	P3220015.40	19mm x 19mm, LES Ø14.5mm	500	1260	32.5	4000K		170	>90	90 / 99	-
HE	COB	YJ-HE-1919L-G01-65	P3220015.65	19mm x 19mm, LES Ø14.5mm	500	1260	32.5	6500K		170	>90	90 / 99	-

Series	Product type	Part number	Product code	Size	Rated forward current (mA)	Max. forward current (mA)	Typ. forward voltage (V)	CCT / Spectrum	Color	Typ. PPE (µmol/J)	CRI	TM-30 Rf/Rg	TLCI
Nourish	SMD	YJ-NR-2835LP-G02-30	P3200021.30	2.8mm x 3.5mm	65	300	2.6 - 2.8	3000K	●	2.85	80	-	-
Nourish	SMD	YJ-NR-2835LP-G02-40	P3200021.40	2.8mm x 3.5mm	65	300	2.6 - 2.8	4000K	●	2.87	80	-	-
Nourish	SMD	YJ-NR-2835HP-G02-30	P3200018.30	2.8mm x 3.5mm	65	300	2.6-2.8	3000K	●	2.95	80	-	-
Nourish	SMD	YJ-NR-2835HP-G02-40	P3200018.40	2.8mm x 3.5mm	65	300	2.6-2.8	4000K	●	3.00	80	-	-
Nourish	SMD	YJ-NR-2835HP-G02-50	P3200018.50	2.8mm x 3.5mm	65	300	2.6-2.8	5000K	●	3.05	80	-	-
Nourish	SMD	YJ-NR-2835HP-G03-50	P3240001.50	2.8mm x 3.5mm	60	150	2.5 - 2.9	5000K	●	3.19	80	-	-
Nourish	SMD	YJ-NR-2835HP-G02-BR-P1	P3200020.01	2.8mm x 3.5mm	150	300	2.9	Blue:Red = 0.5:1	●	2.07	80	-	-
Nourish	SMD	YJ-NR-2835HP-G02-BR-P2	P3200020.02	2.8mm x 3.5mm	150	300	2.9	Blue:Red = 0.75:1	●	2.11	80	-	-
Nourish	SMD	YJ-NR-2835HP-G02-BR-P3	P3200020.03	2.8mm x 3.5mm	150	300	2.9	Blue:Red = 1:1	●	2.17	80	-	-
Nourish	SMD	YJ-NR-3030HP-G02-30	P3200019.30	3.0mm x 3.0mm	65	300	2.6-2.8	3000K	●	2.95	80	-	-
Nourish	SMD	YJ-NR-3030HP-G02-40	P3200019.40	3.0mm x 3.0mm	65	300	2.6-2.8	4000K	●	3.00	80	-	-
Nourish	SMD	YJ-NR-3030HP-G02-50	P3200019.50	3.0mm x 3.0mm	65	300	2.6-2.8	5000K	●	3.05	80	-	-
Nourish	SMD	YJ-NR-3030HP-G04-30	P3200028.30	3.0mm x 3.0mm	60	150	2.6-2.8	3000K	●	3.4	80	-	-
Nourish	SMD	YJ-NR-3030HP-G04-40	P3200028.40	3.0mm x 3.0mm	60	150	2.6-2.8	4000K	●	3.4	80	-	-
Nourish	SMD	YJ-NR-3030HP-G04-50	P3200028.50	3.0mm x 3.0mm	60	150	2.6-2.8	5000K	●	3.4	80	-	-
Nourish	SMD	YJ-NR-3030HP-G04-65	P3200028.65	3.0mm x 3.0mm	60	150	2.6-2.8	6500K	●	3.4	80	-	-
Series	Product type	Part number	Product code	Size	Rated forward current (mA)	Max. forward current (mA)	Typ. forward voltage (V)	CCT	Color	Luminous flux (lm)	CRI	Melanopic Photopic Ratio	Melanopic Daylight Efficacy Ratio
WLBing	SMD	YJ-WB-3030N-G01-22	P3220026.22	3.0mm x 3.2mm	250	320	6.2-6.6	2200K	●	125-140	>85	0.294	0.268
WLBing	SMD	YJ-WB-3030N-G01-27	P3220026.27	3.0mm x 3.2mm	250	320	6.2-6.6	2700K	●	125-140	>85	0.375	0.342
WLBing	SMD	YJ-WB-3030D-G01-40	P3220027.40	3.0mm x 3.2mm	250	320	6.2-6.6	4000K	●	125-140	>90	0.906	0.825
WLBing	SMD	YJ-WB-3030D-G01-50	P3220027.50	3.0mm x 3.2mm	250	320	6.2-6.6	5000K	●	140-160	>90	1.015	0.926
Series	Product type	Part number	Product code	Size	Rated forward current (mA)	Max. forward current (mA)	Typ. forward voltage (V)	Wavelength	Color	Luminous flux (lm)	CRI	Melanopic Photopic Ratio	Melanopic Daylight Efficacy Ratio
Monochromatic	SMD	YJ-SX-2835-01R	P3200011.00	2.8mm x 3.5mm	60	150	1.8-2.3	630	●	10	-	-	-
Monochromatic	SMD	YJ-SX-2835-01G	P3200012.00	2.8mm x 3.5mm	60	150	2.6-3.1	520	●	22-30	-	-	-
Monochromatic	SMD	YJ-SX-2835-01B	P3200013.00	2.8mm x 3.5mm	60	150	2.7-3.1	453	●	4.0-5.0	-	-	-
Monochromatic	SMD	YJ-SX-2835-01V	P3200014.00	2.8mm x 3.5mm	60	120	2.9-3.4	405	●	0.4	-	-	-
Monochromatic	SMD	YJ-SX-3030-01R	P3220029.00	2.96mm x 3.2mm	300	400	3.0-3.4	650	●	18-23	-	-	-
Monochromatic	SMD	YJ-SX-3030-01G	P3220030.00	2.96mm x 3.2mm	300	400	3.0-3.4	550	●	165-200	-	-	-
Monochromatic	SMD	YJ-SX-3030-01B	P3220031.00	2.96mm x 3.2mm	300	400	3.0-3.4	456	●	460-520	-	-	-
Monochromatic	SMD	YJ-SX-3030-01A	P3220032.00	2.96mm x 3.2mm	300	400	3.0-3.4	598	●	80-95	-	-	-
Monochromatic	SMD	YJ-SX-3030-02G	P3220033.00	2.96mm x 3.2mm	300	400	2.5-3.2	520	●	65-97	-	-	-
Monochromatic	SMD	YJ-SX-3030-02R	P3220040.00	3.0mm x 3.2mm	300	400	3.0-3.4	660	●	15-20	-	-	-

Series	Product type	Part number	Product code	Size	Rated forward current (mA)	Max. forward current (mA)	Typ. forward voltage (V)	CCT and Color	Color	Luminous flux (lm)	CRI (white light)	TM-30 Rf/Rg (white light)	TLCI (white light)
Multichromatic	SMD	YJ-RGB5050L-G01	P3180004.00	5.0mm x 5.5mm	20	200	-	Red, Green, Blue		-	-	-	-
Multichromatic	SMD	YJ-RGB5050H-G01	P3180002.00	5.0mm x 5.3mm	60	60	-	Red, Green, Blue		-	-	-	-
Multichromatic	SMD	YJ-RGB5054-G02	P3210001.00	5.0mm x 5.4mm	150	150-180	-	Red, Green, Blue		-	-	-	-
Multichromatic	SMD	YJ-BC-RGBW5050-G02-32	P3180012.32	5.0mm x 5.4mm	20	30	-	3200K, Red, Green, Blue		-	up to 98	92/100	97
Multichromatic	SMD	YJ-BC-RGBW-5050H-G01-27	P3220009.27	5.0mm x 5.0mm	150	180	-	2700K, Red, Green, Blue		-	up to 98	92/100	97
Multichromatic	SMD	YJ-BC-RGBW-5050H-G01-32	P3220009.32	5.0mm x 5.0mm	150	180	-	3200K, Red, Green, Blue		-	up to 98	92/100	97
Multichromatic	SMD	YJ-BC-RGBW-5050H-G01-56	P3220009.56	5.0mm x 5.0mm	150	180	-	5600K, Red, Green, Blue		-	up to 98	92/100	97
Multichromatic	SMD	YJ-BC-RGBW-5050H-G01-65	P3220009.65	5.0mm x 5.0mm	150	180	-	6500K, Red, Green, Blue		-	up to 98	92/100	97
Multichromatic	SMD	YJ-BC-RGBW5050-G02-56	P3180012.56	5.0mm x 5.4mm	20	30	-	5600K, Red, Green, Blue		-	up to 98	92/100	97
Multichromatic	SMD	YJ-BC-RGBWW-5050L-G03-2765	P3180001.26	5.0mm x 5.3mm	30	130	-	2700K, 6500K, Red, Green, Blue		-	up to 98	92/100	97
Multichromatic	SMD	YJ-BC-RGBWW-7070M-G03-2765	P3190003.26	6.9mm x 6.9mm	150	180	-	2700K, 6500K, Red, Green, Blue		-	up to 98	92/100	97
Series	Product type	Part number	Product code	Size	Rated forward current (mA)	Max. forward current (mA)	Typ. forward voltage (V)	CCT and Color	Color	Luminous flux (lm)	CRI (white light)	TM-30 Rf/Rg (white light)	TLCI (white light)
Color Matrix	7 in 1 SMD	-	P3230002.01	7.0mm x 7.9mm	700	1500	-	2700K, 6500K, Blue, Green, Cyan, PC-red, PC-lime		-	up to 98	92/100	97
Color Matrix	7 in 1 SMD	-	P3230002.02	7.0mm x 7.9mm	700	1500	-	2700K, 6500K, Blue, Green, Cyan, PC-red, PC-lime, PC-amber		-	up to 98	92/100	97
Color Matrix	7 in 1 SMD	-	P3230002.03	7.0mm x 7.9mm	700	1500	-	2700K, Blue, Green, Cyan, PC-red, PC-lime, PC-amber		-	up to 98	92/100	97
Color Matrix	7 in 1 SMD	-	P3220002.04	7.0mm x 7.9mm	700	1500	-	2700K, 6500K, 2700K, 6500K, Blue, Green, PC-red		-	up to 98	92/100	97
Color Matrix	7 in 1 SMD	-	Pending	7.0mm x 7.9mm	700	1500	-	2700K, Blue, Green, Cyan, Red, PC-lime, PC-amber		-	up to 98	92/100	97
Color Matrix	SMD	-	P3220001.27	2.0mm x 2.0mm	700	1500	2.8-3.4	2700K		165-185	up to 98	92/100	97
Color Matrix	SMD	-	P3220001.65	2.0mm x 2.0mm	700	1500	2.8-3.4	6500K		210-240	up to 98	92/100	97
Color Matrix	SMD	-	P3220001.01	2.0mm x 2.0mm	700	1500	2.8-3.4	Blue		40-47	-	-	-
Color Matrix	SMD	-	P3220001.02	2.0mm x 2.0mm	700	1500	2.5-3.2	Cyan		130-170	-	-	-
Color Matrix	SMD	-	P3220001.03	2.0mm x 2.0mm	700	1500	2.3-3.0	Green		220-280	-	-	-
Color Matrix	SMD	-	P3220001.04	2.0mm x 2.0mm	700	1500	2.8-3.4	PC-lime		365-405	-	-	-
Color Matrix	SMD	-	P3220001.05	2.0mm x 2.0mm	700	1500	2.8-3.4	PC-amber		165-185	-	-	-
Color Matrix	SMD	-	P3220001.06	2.0mm x 2.0mm	700	1500	1.8-2.8	Red		75-105	-	-	-
Color Matrix	SMD	-	P3220001.07	2.0mm x 2.0mm	700	1500	2.8-3.4	PC-red		40-48	-	-	-

Color Matrix	COB	-		B3220003.26	60mm x70mm, LES Ø40mm	4000	9000	33-41	2700K, 6500K		10800,13800	up to 98	92 / 100	97
Color Matrix	COB	-		B3220005.26	70mm x100mm, LES Ø55mm	8400	18000	33-41	2700K, 6500K		20000,25600	up to 98	92 / 100	97
Color Matrix	COB	-		B3220001.26	40mm x 50mm, LES Ø24mm	1400	3000	33-41	2700K, 6500K		3100,3900	up to 98	92 / 100	97
Color Matrix	COB	-		B3220002.01	60mm x70mm, LES Ø41mm	1400	3000	33-41	2700K, 6500K, Blue, Green, Red		-	up to 98	92 / 100	97
Color Matrix	COB	-		B3220004.01	70mm x100mm, LES Ø58mm	2800	6000	33-41	2700K, 6500K, Blue, Green, Red		-	up to 98	92 / 100	97
Series	Product type	Part number	Product code	Size	Rated forward current (mA)	Max. forward current (mA)	Typ. forward voltage (V)	Wavelength range / Reference spectrum	Color	Radiant flux	CRI	Luminous flux (lm)		
CIE & Specialized	SMD	YJ-VTC-Q-2835-G02	P3230003.56	2.8mm x 3.5mm	60	100	6.0-6.8	350nm - 1000nm		100	80	13	-	
CIE & Specialized	SMD	-	P3210003.65	3.0mm x 3.0mm	300	400	3.0-3.4	420nm - 820nm		315	90	71	-	
CIE & Specialized	SMD	-	P3230010.01	5.2mm x 5.8mm	400	600	9	380nm - 1000nm		800	98	120	-	
CIE & Specialized	SMD	-	P3230004.01	5.2mm x 5.8mm	200	300	18	CIE E / 380nm - 1000nm		510	95	105	-	
CIE & Specialized	SMD	-	P3230005.01	5.0mm x 5.3mm	350	1000	2.8-3.6	CIE A / halogen lamp		20	95	3.5	-	
CIE & Specialized	SMD	-	P3230006.01	5.2mm x 5.8mm	240	480	9	CIE D50 / 380nm - 1000nm		310	96	68	-	
CIE & Specialized	SMD	-	P3230007.01	5.2mm x 5.8mm	240	480	9	CIE D65 / 380nm - 1000nm		407	95	67	-	



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