

EVERCORE



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EVERCORE



Achieve a quality life by chip

ECOLOGY

Environmental Friendly

EVERCORE

HUMAN CENTRIC | RHYTHMIC | WELLNESS

We are committed to create a homonious, natural and human centric environment.
Keep exploring the mystery of light, studying the correlation of light and color,
creating the value of light, such as light to human health,
to new applications, to the future...





Contents	02	Company Profile Development Course Honor and Qualification
	12	Color · Space Intelligent RGBCW COB
	16	Color · Tone High Density CCT tunable COB High Efficiency CCT tunable COB Dim to Warm COB 3535CW (CCT tunable)
	26	Color · Variety 3535RGBW 3535 White LED 3535R/G/B LEDs
	34	Color · Nature Full Spectrum COB (Gen 3) Full Spectrum COB (Gen 4)
	40	Color · Efficiency High Efficiency COB High Density COB

Achieve a quality life by chip

Company profile

• Foshan Evercore Optoelectronic Technology Co, Ltd. is the 1st one to start and professionally focused on manufacturing LED COBs in China. Teamed by photoelectric professional top overseas talents and relying on R & D platform--Semiconductor Lighting System Research Center, Evercore since Establishment , has been leading the LED COB technology in R&D, production, sales and technical services in optoelectronic semiconductor field (Flip Chip COB , LED COB modules and integrated COB chips and optoelectronic integrated circuits(OEIC)).

• Evorcove is national high-tech enterprises enterprise with leading technology.We attaches great importance to technical patents, and has obtained more than 80 patents and Copyrights in key generic technology fields such as "Transparent conductive ZnO film epitaxial growth"high lumens flux Flip Chip LED COB " and "High CRI high- power LED COB module"

• Evercore products focus on high-end professional lighting applications, who has reached performance of the world's top five international brands (mainly the United States, Japan). And our products are widely used for replacement at various product line ,such as LED smart car lights (headlights, brake lights), traffic lighting, smart home (IoT) Human centric lighting, star hotels lighting , brand chain stores and other high-end commercial lighting, as well as healthy lighting, plant illumination (plant lighting and marine ecological illumination) etc.; We have been engaged in the special application market and non-visual applications since 2018, such as infrared chips for security and UV chips for printing and curing, UV disinfection and sterilization.



2010

Evercore established

The project of "technology development of integrated white light source module with high color rendering" was approved provincially.

2014

Full-spectrum COB

Guangdong LED semiconductor lighting base; COB of Ra>97 into mass production.

2018

HD COB, CCT Tunable COB

25W with LES 6mm;
50W with LES 9mm;
CSC techniques
Soft tuning, good color-mixing

2021

First one to Launch RGBCW COB Capacity upgrade

The world's first intelligent RGBCW launched.
Fujian manufacturing base of 10000 square meters

2012

Leading performance of COB for down light

COB performance for down light upgraded to Ra>90, 90lm/W

2015

AC COB Gen 2 and full spectrum COB

AC COB LM-80 certified with 9000H test;
Color evaluation system introduced

2019

2 SDCM

high-end commercial lighting and smart products are with 2-step SDCM standard

Honor and Qualification

Standard Leader in COB Industry

1. National Standard
SDCM rapid on-line testing method
2. Guangdong Provincial Standard
Standard specification for LED modules for spotlights
Criterion of LED COB Integration Packaging
3. Participating in Drafting standards
Standard of LED COB for Road lighting
Criterion of LED COB Modules for LED Downlights
Foshan Union Standard for LED bulb lamp
Foshan Union Standard for LED fluorescent Lamps
Technical Specification for Low-power
Light-emitting Diode Chips

Quality System

- Iso9001:2015 Quality Management System
- Intellectual Property System (Standard implementation)
- IES LM-80 Certification
- EN62471 Certification

Patent IP

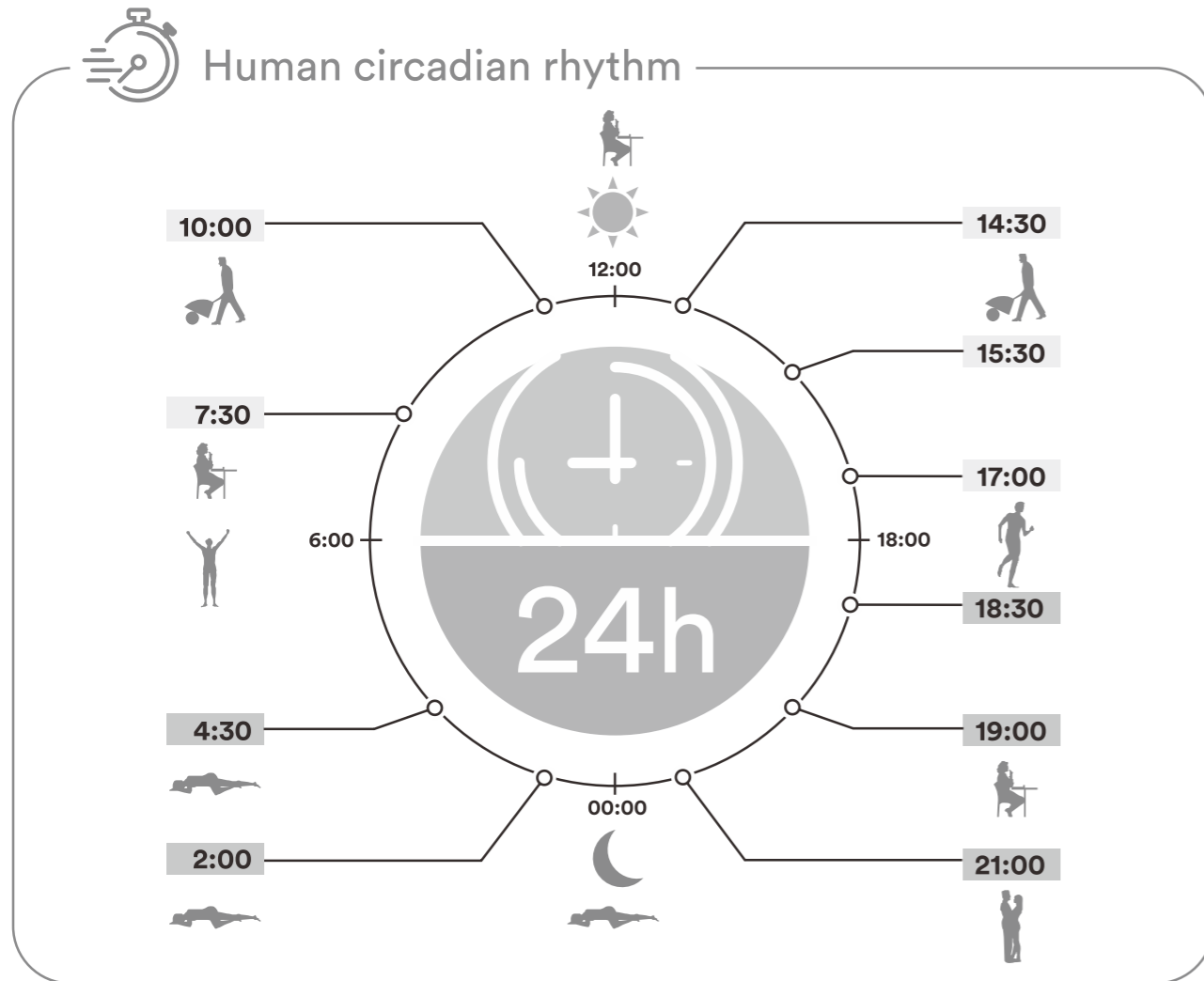
- More than 80 COB and other related patents
- Patent of Invention
Authorized a number of Chinese core patents of invention and European and American patents
- Patents for Utility models
Authorized a number of Chinese patents for utility models.
- Design patent
Authorized a number of Chinese design patents



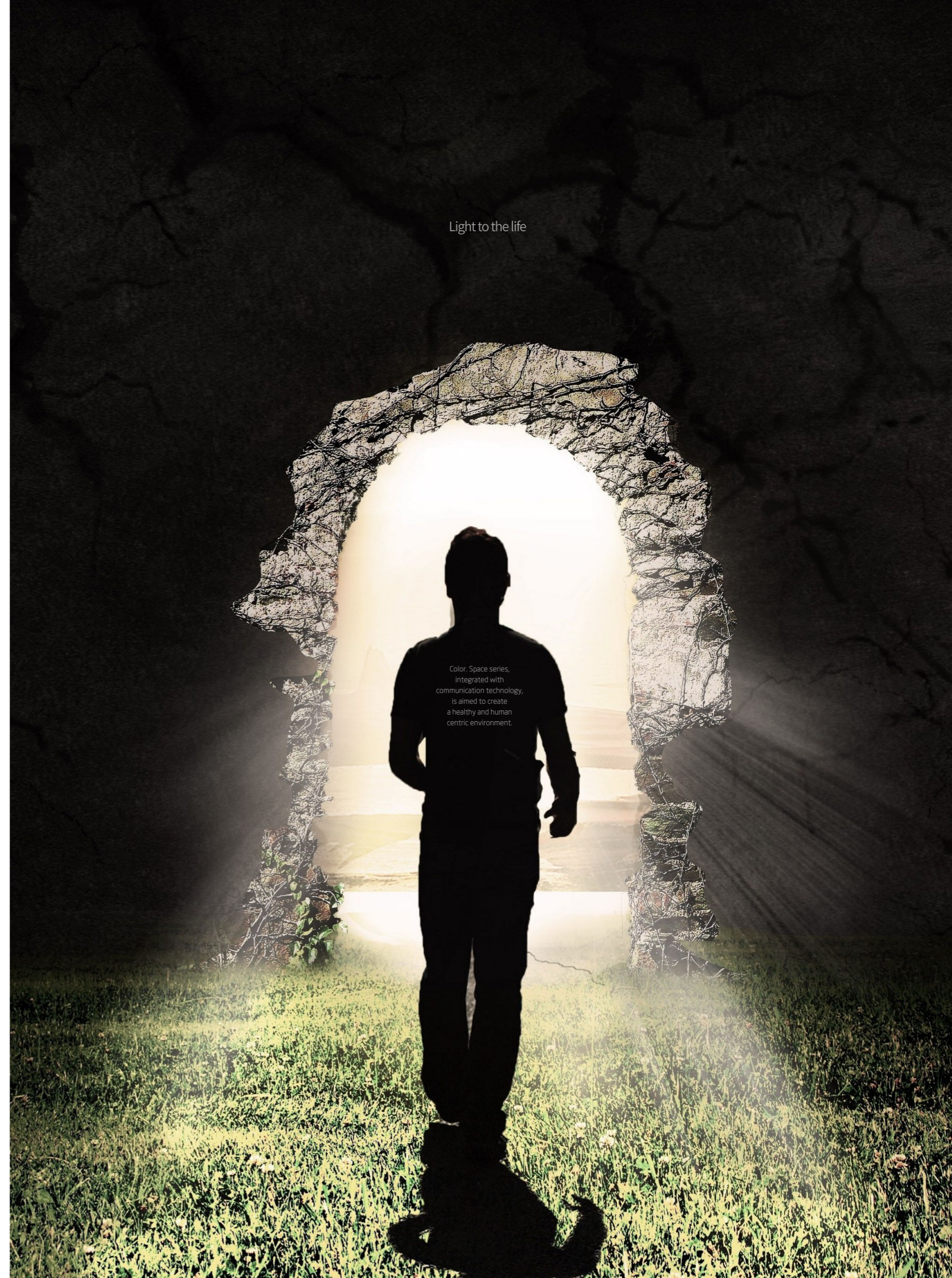
Influence of light on people **Natural light**

Thanks to the development of technology, we are able to decide on brightness, colour and other parameters of light which influence our mood, ability to focus and our overall well-being. As recommended by medical communities, the type of lighting should be similar to natural light as far as possible, in order to match it to a person's sleep-wake rhythm. It allows for maximum support of our concentration and calms us down before going to sleep - to rest effectively.

It has been proven that following the changes of natural light during the day brings immense physiological and psychological benefits. This aspect seems to be even more important as sleep and concentration disorders, stress and symptoms of modern-age diseases are becoming increasingly common.

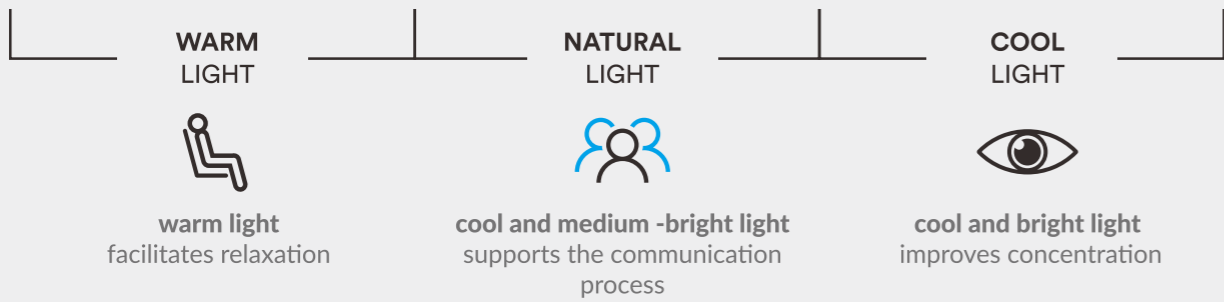
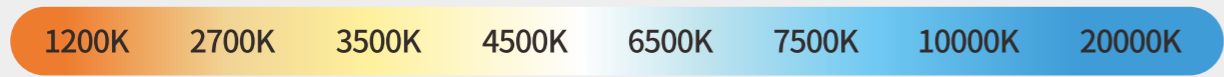


Light to the life



Color Space series, integrated with communication technology, is aimed to create a healthy and human centric environment.

INTELLIGENT • FULL COLOR

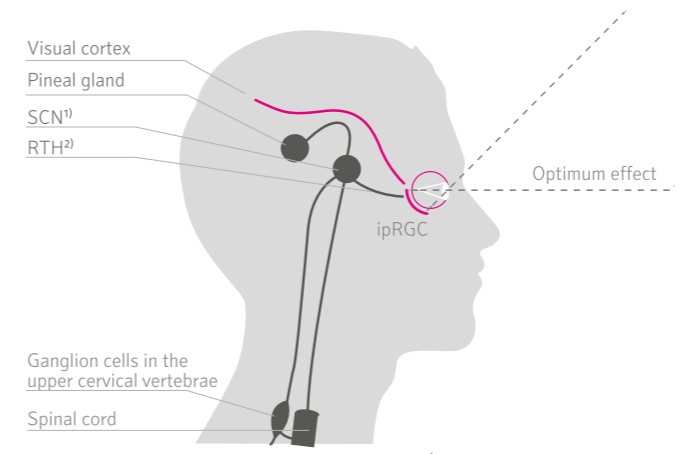


Color.space can be used in all places where people are present. In particular

- improve effectiveness when working in an office
- ensure that your mood is good and improve recovery of patients in hospitals
- positively influence concentration and learning effectiveness in schools
- create an appropriate environment for discussions and meeting in conference halls
- maintain high level of productivity, 24 hours a day, in production halls
- emphasise products and their colours in shops improve the level of artistic experiences in museums

THE MELANOPIC EFFECT OF LIGHT

Since the discovery of the non-visual photoreceptors (ipRGC) in the year 2002, it is known that the light that enters the eye has an effect on the human being that goes beyond the pure function of vision. This applies in particular to how the human eye receives and uses the blue parts of the spectrum.



¹⁾ SCN suprachiasmatic nucleus
²⁾ RTH retinohypothalamic tract

THE WHOLE IS MORE THAN THE SUM OF ITS PARTS

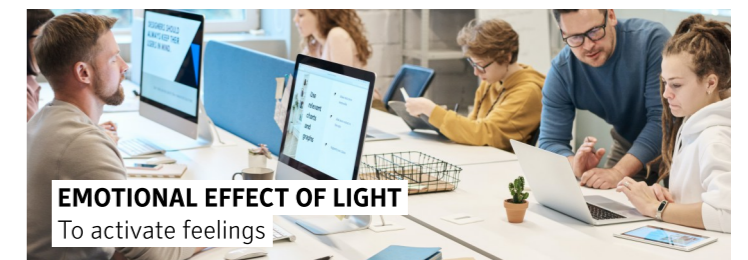
The term Human Centric Lighting refers to the holistic view of the effect of light on human beings, the goal being to apply artificial lighting in order to have a positive impact on people's feeling of well-being.

Besides the functional aspects of light and the way it can be applied to enhance architecture, the biological effect of light, which can be further subdivided into a melanopic and an emotional component, plays a crucial role.



LIGHT THAT ENTERS THE EYE

synchronises the biological clock and influences the secretion of hormones
influences physiology, health and behaviour
impacts our performance and feeling of well-being



PLANT GROWTH LIGHT

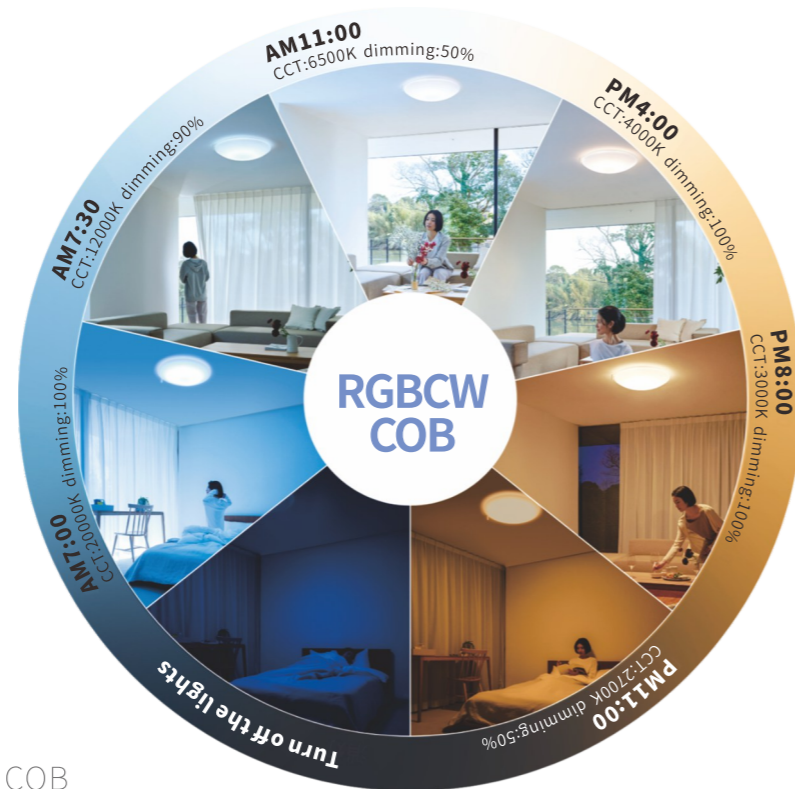




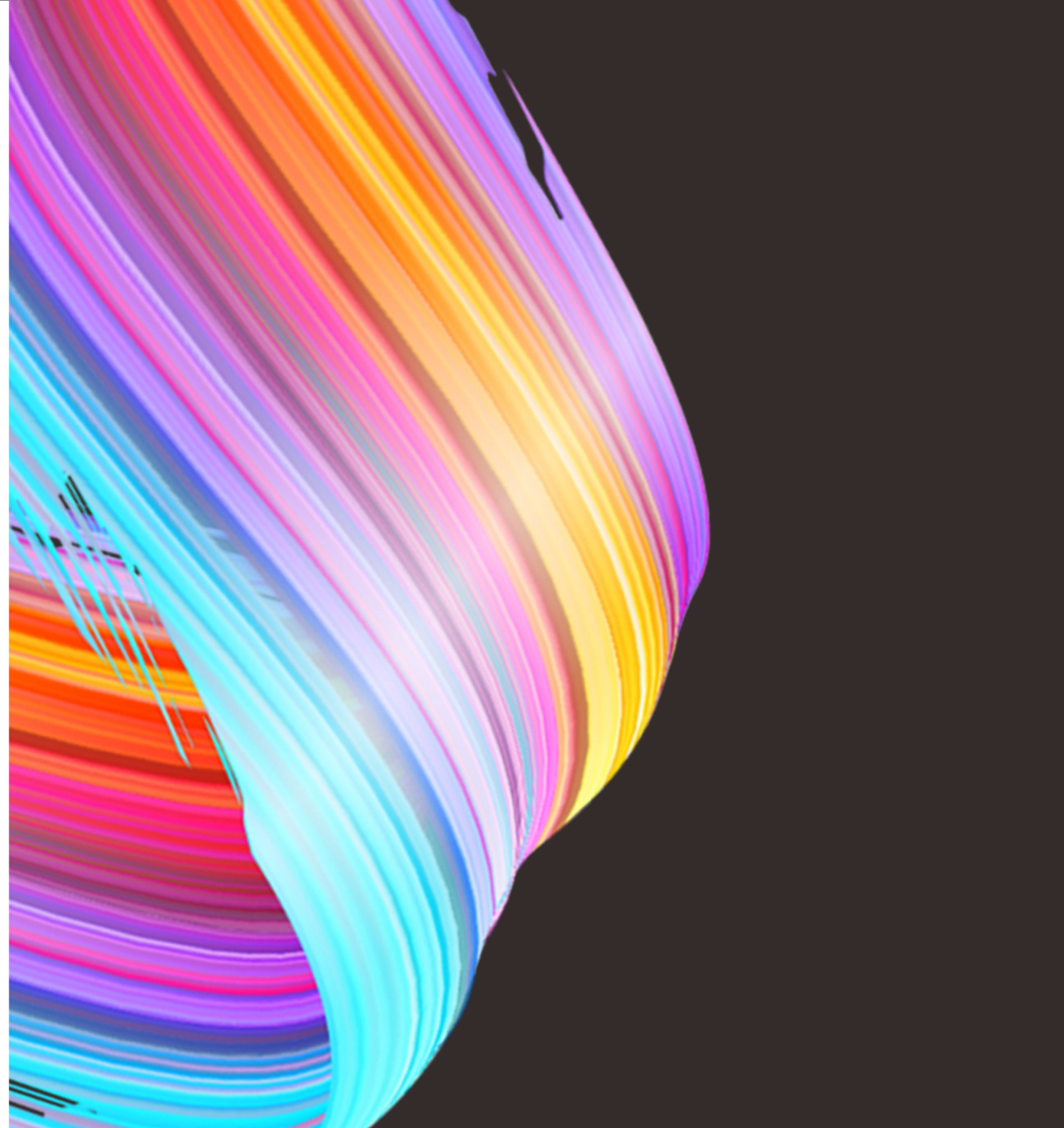
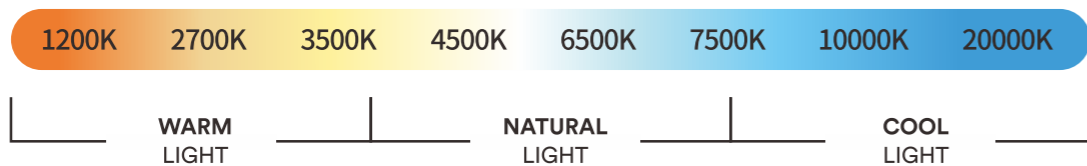
Color. Space

CCT Tunable & Dimmable

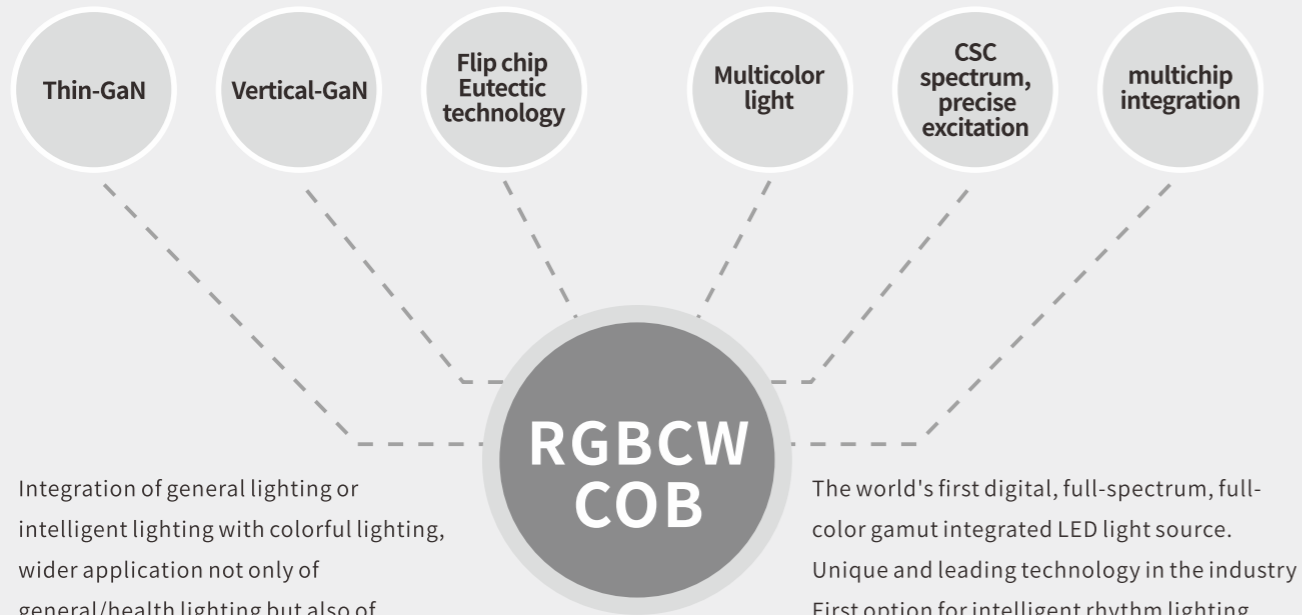
- 1. From candlelight to clear sky light, the reappearance of natural light
- On the basis of high CRI, the tones can be adjusted (red, green)
- Colorful lighting atmosphere: all color gamut adjustable, countless combination of color;
- Rhythm lighting: completely biorhythm light application (simulation lighting environment from sunrise to sunset);
- Wide range from CCT 1200K to 20000K, color point fitting black body trajectory.



Color · Space
Intelligent RGBCW COB



Color · Space



Integration of general lighting or intelligent lighting with colorful lighting, wider application not only of general/health lighting but also of audio/video entertainment.

The world's first digital, full-spectrum, full-color gamut integrated LED light source. Unique and leading technology in the industry. First option for intelligent rhythm lighting

Every color you can imagine !

- SHOP WINDOWS**
REPRESENTING WHAT YOUR STORE IS ALL ABOUT.
- FOOD, FISH, CHEESE, SPECIALS**
IT'S UP TO YOU TO WHET PEOPLE'S APPETITE.
- HOTEL LIGHTING**
GIVE YOUR SPACE MORE VARIETY.
- FASHION STORE FITTING ROOMS**
BETTER TO TRY IT BEFORE YOU BUY IT.
- SHOP WINDOWS** (repeated)
- SHOP WINDOWS** (repeated)

Color · Space Intelligent RGBCW COB

Product Drawing	Product Model	Les (mm)	CCT	Ra	Power (W)	Current (mA)	Voltage (V)	Efficiency (LM/W)	Max Current (mA)
	NCW1611A-30W-LSH	Ø11	R	/	4	160	24	/	200
			G	/	7	280	24	/	400
			B	/	7	280	24	/	400
			C:6000K	≥90	7	280	24	105LM/W	400
			W:2700K	≥90	7	280	24	90LM/W	400
	NCW1814B-60W-LSH	Ø14	R	/	12	320	36	/	400
			G	/	12	320	36	/	400
			B	/	12	320	36	/	400
			C:6000K	≥90	12	320	36	100LM/W	400
			W:2700K	≥90	12	320	36	85LM/W	400
	NCW1916B-50W-LSH	Ø16	R	/	6	160	36	/	200
			G	/	12	320	36	/	400
			B	/	12	320	36	/	400
			C:6000K	≥90	12	320	36	100LM/W	400
			W:2700K	≥90	12	320	36	85LM/W	400
	NCW2320B-100W-LSH	Ø20	R	/	12	320	36	/	400
			G	/	12	320	36	/	400
			B	/	12	320	36	/	400
			C:6000K	≥90	25	700	36		900
			W:2700K	≥90	25	700	36		900
	NXW28245C-90W-50G	Ø24.5	R	/	12	240	48	/	300
			G	/	12	240	48	/	300
			B	/	12	240	48	/	300
			W:5000K	≥80	50	1100	48	140LM/W	1840

Color · Space Intelligent RGBCW COB

Application:
Widely used in smart home, phototherapy, commercial and entertainment lighting.

Product advantages:

- The first COB chip in the market that integrates daily lighting, audio-visual entertainment, and health lighting applications
- Using CSC spectrum accurate excitation, multi-chip integration technology etc., better lighting effect
- Integration of characteristics of RGB and CCT tunable COB, better option for the users on customization of colors
- Multi-channel adjustment, fully fit the blackbody radiation line, better satisfaction of users' needs of human rhythm lighting

Product Feature:

- From candlelight to clear sky light, the reappearance of natural light
- High CRI, color tone can be adjusted by preference (red, green)
- Colorful lighting atmosphere: countless combination of different colors
- Rhythm lighting: simulation of sunrise to sunset, completely biorhythm light application
- White light: adjustable color temperature 1700K-12000K, color point fitting black body trajectory

INTELLIGENT AUDIO AND VIDEO



HUMAN CENTRIC RHYTHM

PHOTOTHERAPY



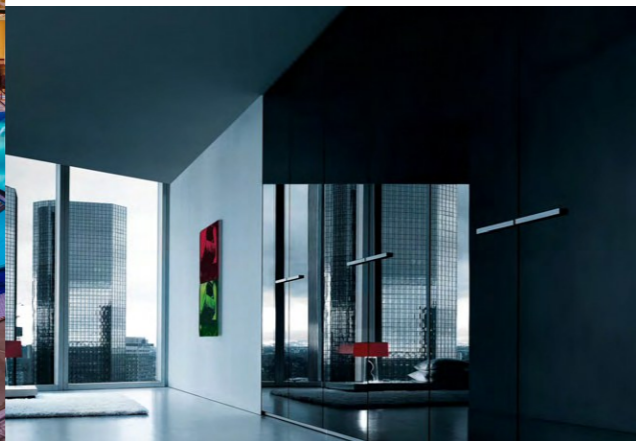
PLANT LIGHTING



Color · Tone

- High Density CCT tunable COB
- High Efficiency CCT tunable COB
- Dim to Warm COB
- 3535CW (CCT tunable)

- Color temperature ranging from 2700K-6000K
- Ra80/90/95
- Power ranging from 4W-80W
- Precise phosphor coating technology and sedimentation process
- uniform distribution, color spot perfectly fitting into black body trajectory



Color · Tone



COLOR. TONE

Color · Tone High Density CCT tunable COB

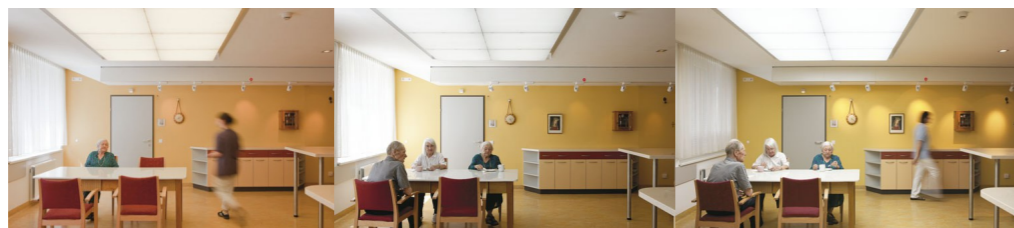
Application:
Widely used for household lighting, and commercial lighting for clubs and other places

Product advantages:

1. Latest CSC technology, uniform distribution, color spot perfectly fitting into black body trajectory, best option for intelligent lighting.
2. Universal size, and provide total solution of intelligent remote control and driver.
3. Ra ≥ 80/90/95 Lumens efficiency > 110lm/W
4. Uniform color distribution, soft changing of color temperature and light.

Product Feature:

1. COB can be adjusted from warm white to cold white
2. Color temperature ranging from 2700K-6000K
3. Power ranging from 4W-80W
4. Best option for intelligent lighting



Color · Tone High Density CCT tunable COB

Product Drawing	Product Model	Les (mm)	CCT	Ra	Power (W)	Current (mA)	Voltage (V)	Efficiency (LM/W)	Max Current (mA)
	BK1308-0212K10WLS-V3	Ø8	10	280	36	2700K	≥95	70	400
			10	280	36	6000K	≥95	90	400
	BK1611-0413K20WLS-V3	Ø11	20	550	39	2700K	≥95	70	750
			20	550	39	6000K	≥95	90	750
	BK1917-0713K30WLS-V3	Ø17	30	800	39	2700K	≥95	75	1200
			30	800	39	6000K	≥95	95	1200
	BK1306-0403I4WLSH-H2	Ø6	4	400	9	2700K	≥90	70	450
			4	400	9	6000K	≥90	90	450
	BK1308-0212K10WLSH-H2	Ø8	10	280	36	2700K	≥90	90	400
			10	280	36	6000K	≥90	105	400
	BK1611-0413K20WLSH-H2	Ø11	20	550	39	2700K	≥90	90	750
			20	550	39	6000K	≥90	105	750
	BK1814-0613K30WLSH-H2	Ø14	30	800	39	2700K	≥90	90	1100
			30	800	39	6000K	≥90	105	1100
	BK1917-0713K30WLSH-H2	Ø17	30	800	39	2700K	≥90	100	1200
			30	800	39	6000K	≥90	110	1200
	BK28245-1413K50WLSH-H2	Ø24.5	50	1300	39	2700K	≥90	105	2000
			50	1300	39	6000K	≥90	115	2000
	BK28245-1613K60WLSG-H	Ø24.5	60	1600	39	2700K	≥90	105	2600
			60	1600	39	6000K	≥90	115	2600
	BK1375-0212I6WLSH-H2	Ø7.6	6	160	36	2700K	≥90	75	230
			6	160	36	6000K	≥90	90	230
	BK16105-0412I12WLSH-H2	Ø10.5	12	280	36	2700K	≥90	80	450
			12	280	36	6000K	≥90	100	450
	BK1814-0612I18WLSH-H2	Ø14	18	450	36	2700K	≥90	80	700
			18	450	36	6000K	≥90	100	700
	BK1917-0812I30WLSH-H2	Ø17	30	700	36	2700K	≥90	75	850
			30	700	36	6000K	≥90	95	850



COLOR. TONE

Color · Tone High Efficiency CCT tunable COB

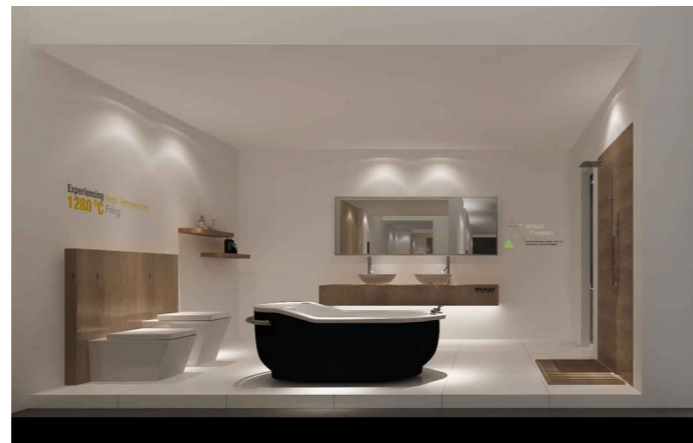
Application:
Widely used for household lighting, and commercial lighting for clubs and other places

Product advantages:

- Latest CSC technology, uniform distribution, color spot perfectly fitting into black locus, best option for intelligent lighting."
- Universal size, and provide total solution of intelligent remote control and driver.
- Ra ≥ 95 Lumens efficiency > 110lm/W
- Uniform color distribution, soft changing of color temperature and light.

Product Feature:

- COB can be adjusted from warm white to cold white
- Color temperature ranging from 2700K-6000K
- Power ranging from 6W-30W
- Best option for intelligent lighting



Color · Tone High Efficiency CCT tunable COB

Product Drawing	Product Model	Les (mm)	Power (W)	Current (mA)	Voltage (V)	CCT	Ra	Efficiency (LM/W)	Max Current (mA)
	SK1308-0212J6WLSS-K	Ø8	6	160	36	2700K	≥95	80	200
			6	160	36	6000K	≥95	105	200
	SK1611-0412J12WLSS-K	Ø11	12	320	36	2700K	≥95	90	400
			12	320	36	6000K	≥95	110	400
	SK18145-0912J24WLSS-K	Ø14.5	24	640	36	2700K	≥95	95	800
			24	640	36	6000K	≥95	110	800
	SK1917-1112J30WLSS-K	Ø17	30	800	36	2700K	≥95	95	1000
			30	800	36	6000K	≥95	110	1000
	SK1308-0212J6WLSH-K	Ø8	6	160	36	2700K	≥90	95	200
			6	160	36	6000K	≥90	125	200
	SK1611-0412J12WLSH-K	Ø11	12	320	36	2700K	≥90	105	400
			12	320	36	6000K	≥90	130	400
	SK18145-0912J24WLSH-K	Ø14.5	24	640	36	2700K	≥90	115	800
			24	640	36	6000K	≥90	130	800
	SK1917-1112J30WLSH-K	Ø17	30	800	36	2700K	≥90	115	1000
			30	800	36	6000K	≥90	130	1000



COLOR. TONE!

Color · Tone Dim to Warm COB





Application:
Widely used for commercial lighting for hotels and guesthouses etc.

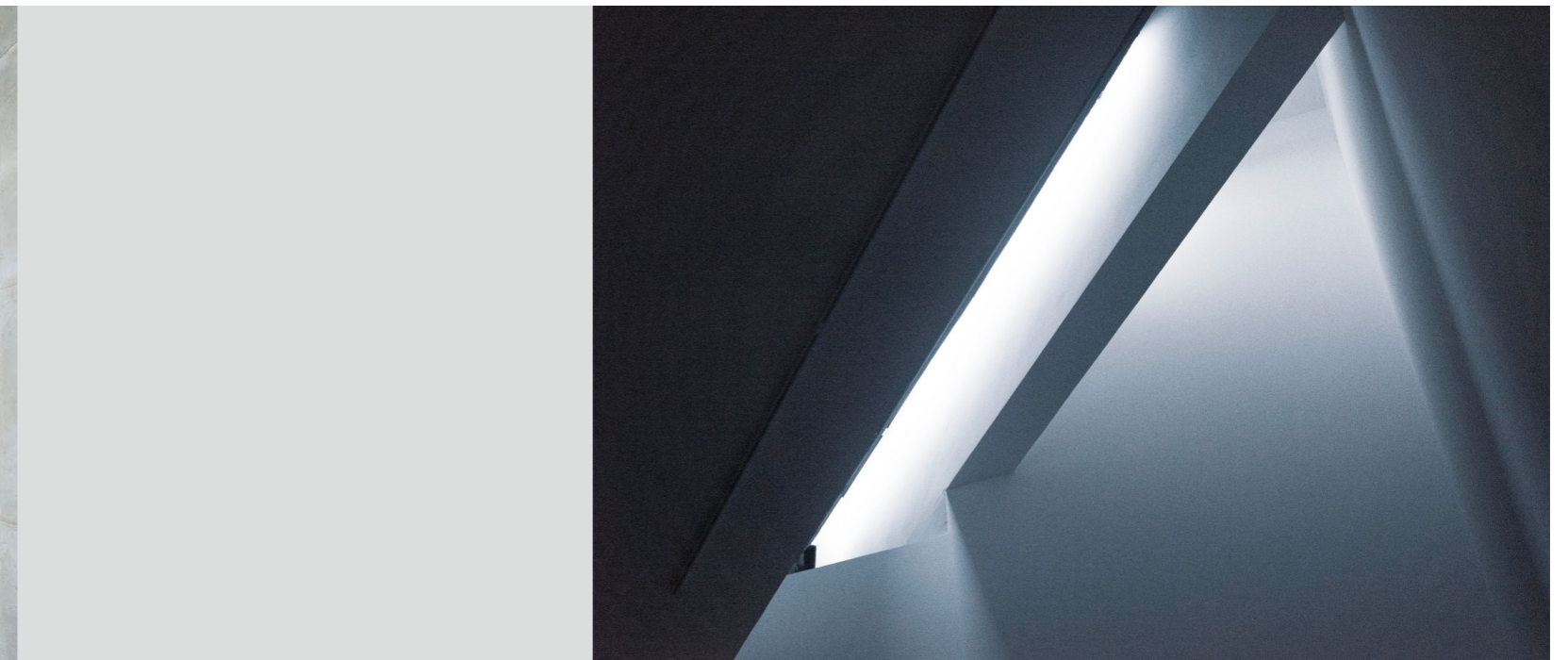
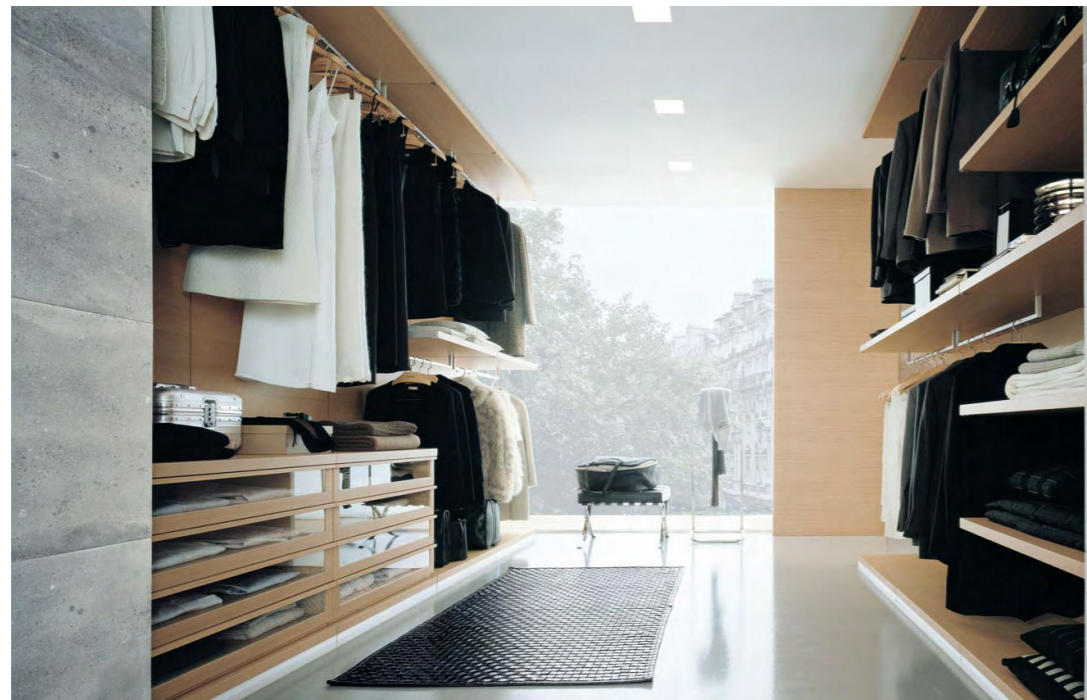
Product Advantages:

- Simulation of traditional halogen lamp luminescence, dimming and CCT tuning at the same time
- Ra ≥ 90, comfortable color point, high consistency, good dimming consistency
- Color temperature ranging from 1800K-3000K, 2200K-4000K
- Compatible size, easy to install and uninstall

Product Feature:

- Single channel adjustment, color temperature range of 1800K-3000K and 2200K-4000K optional
- Power ranging from 10W-20W
- Good color consistency, Chromatic aberration <3SDCM

Product Drawing	Product Model	Les (mm)	CCT	Ra	Power (W)	Current (mA)	Voltage (V)	Efficiency (LM/W)	Max Current (mA)
	DK1311-0312K10WUOH	Ø11	2200K-4000K	≥90	10	300	36	110(4000K)	350
	DK1916-0612K20WUOH	Ø16	2200K-4000K	≥90	20	600	36	110(4000K)	700
	DK1311-0312K10WVMH	Ø11	1800K-3000K	≥90	10	300	36	100(3000K)	350
	DK1916-0612K20WVMH	Ø16	1800K-3000K	≥90	20	600	36	100(3000K)	700





COLOR. TONE

Color · Tone 3535CW

Application:
Widely used for household lighting, and commercial lighting for clubs and other places

Product Advantages:

- Using ceramic thermoelectric separation eutectic packaging technology, lower thermal resistance, good stability and air-tightness
- Using customized high efficiency chip and high reflection and transmission material, lighting efficiency leading the market average level.
- Moding process + designed chip array to make more uniform light and color
- 60, 90 and 120° beam angles available
- Color consistent with EVERCORE conventional CCT tunable COBs

Product Feature:

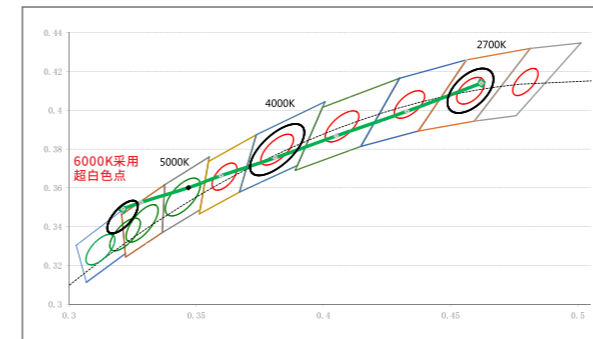
- Adjustable from warm white to cold white
- CCT ranging from 2700K-6000K
- Power ranging from 4W-6W



Color · Tone 3535CW

Product Drawing	Product Model	Power (W)	Current (mA)	Voltage (V)	CCT	Ra	Efficiency (LM/W)	Max Current (mA)
	CX353522BWLSH01	2	350	6	2700K	≥90	75	500
		2	350	6	6000K	≥90	95	500

Color Point fitting blackbody trajectory design

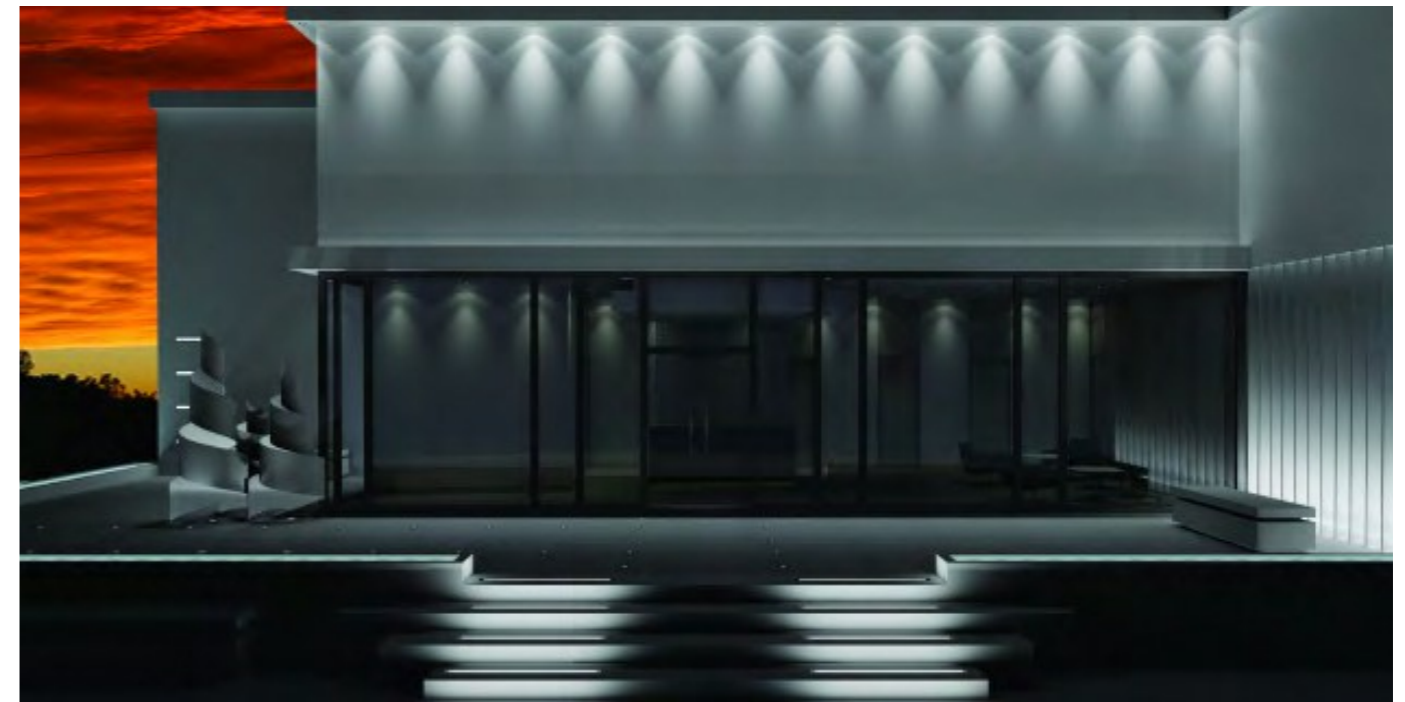


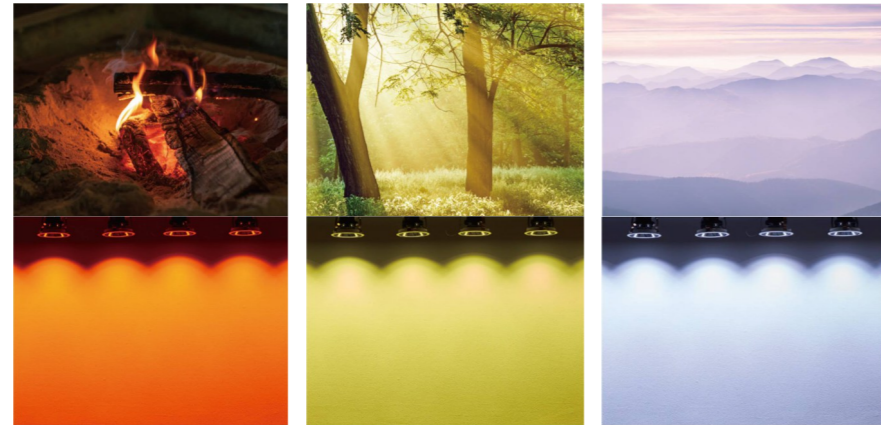
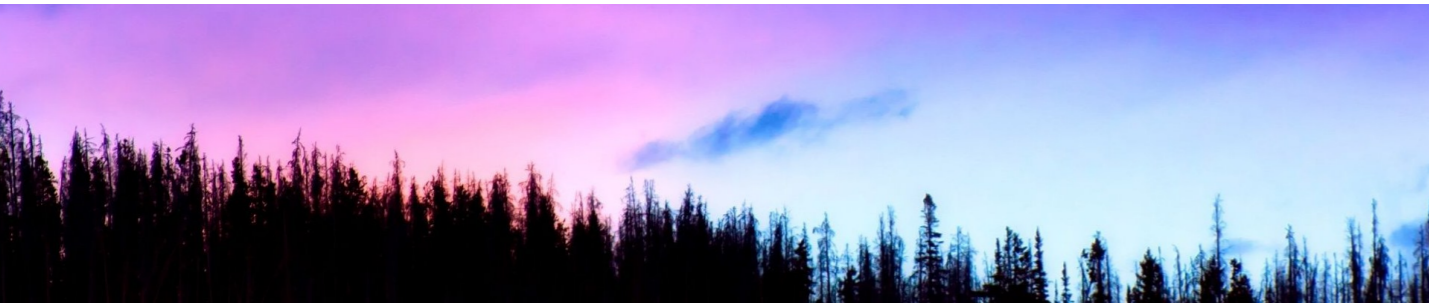
Color · Tone 3535CW

Application:
Widely used for household lighting, and commercial lighting for clubs and other places

Product Feature:

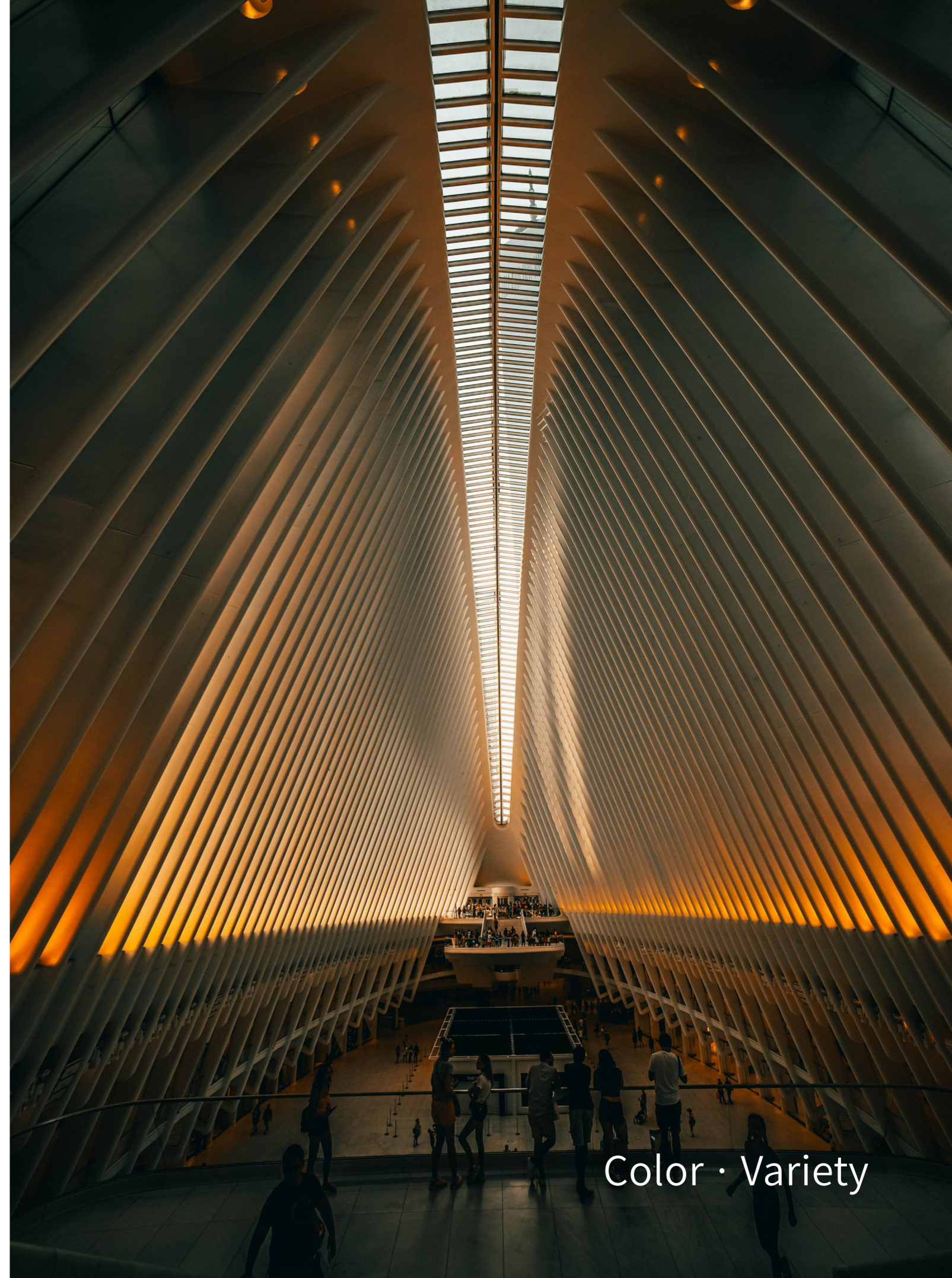
- Adjustable from warm white to cold white
- CCT ranging from 2700K-6000K
- Power ranging from 4W-6W





Evolved lights of Red,
Green and Blue
More full and rich color
performance
Good option for outdoor
landscape lighting or
indoor stage lighting etc.

Color · Variety
3535RGBW
3535 White LED
3535R/G/B LEDs



Color · Variety



Product Drawing	Product Model	Channel	Power (W)	Current (mA)	Voltage (V)	dominant wavelength (nm) / CCT	Ra	Lumens (lm)	Max Current (mA)
	CX3535RGBW4W**G01	R	0.8	350	2.3	620-630	/	40	400
		G	1	350	3.2	520-530	/	100	400
		B	1	350	3.2	465-475	/	30	400
		W	1	350	3.2	3000K	80	90	400

COLOR. VARIETY

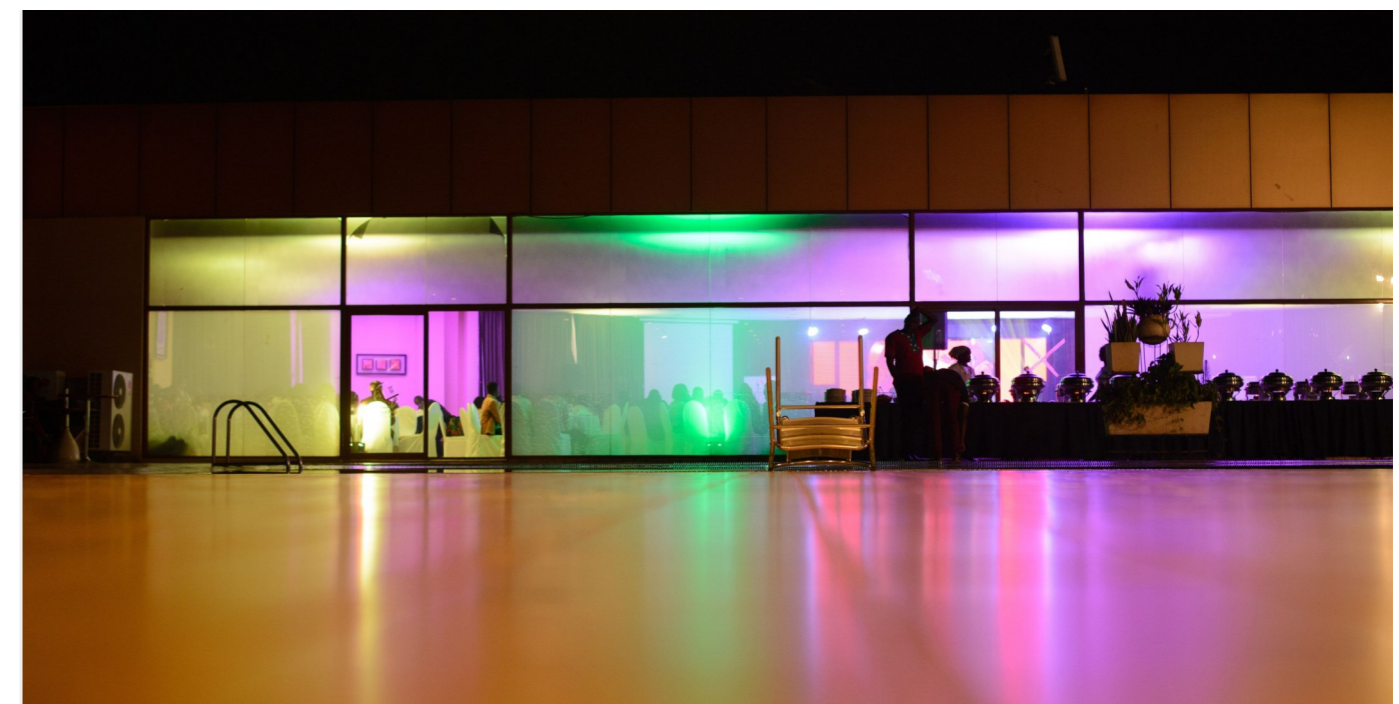
Color · Variety 3535RGBW

Application:
Widely used for landscape lighting and portable lighting etc.



Product Advantages:

- Using ceramic thermoelectric separation eutectic packaging technology, lower thermal resistance, good stability and air-tightness
- Using customized high efficiency chip and high reflection and transmission material, lighting efficiency leading the market average level.
- Moding process + designed chip array to make more uniform light and color
- 60, 90 and 120° beam angles available





COLOR. VARIETY

Color · Variety 3535 White LED

Application:
Widely used for indoor and outdoor lighting

Product Advantages:


- Using ceramic thermoelectric separation eutectic packaging technology, lower thermal resistance, good stability and air-tightness
- Using customized high efficiency chip and high reflection and transmission material, lighting efficiency leading the market average level.
- Moding process + designed chip array to make more uniform light and color
- 60, 90 and 120° beam angles available

Product Feature:

- CRI 70/80/90 available
- Lighting efficiency up to 150lm/W
- Power ranging 1W-3W



Color · Variety 3535 White LED

Product Drawing	Product Model	Power (W)	Current (mA)	Voltage (V)	CCT	Ra	Efficiency (LM/W)	Max Current (mA)
	CX353511CW*H01	1	350	3.0	3000K	≥90	105	1000
					4000K		110	
					5000K		108	
	CX353511CW*G01	1	350	3.0	3000K	≥80	130	1000
					4000K		140	
					5000K		135	
	CX353511CW*P01	1	350	3.0	3000K	≥70	140	1000
					4000K		150	
					5000K		145	

Color · Variety 3535 White LED

Product Feature:

- CRI 70/80/90 available
- Lighting efficiency up to 150lm/W
- Power ranging 1W-3W





COLOR. VARIETY

Color · Variety 3535R/G/B LEDs

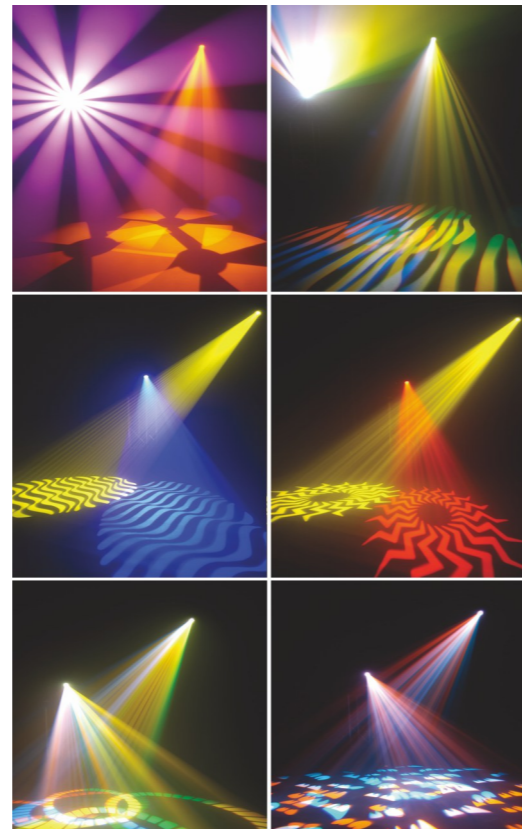
Product Drawing	Product Model	Power (W)	Current (mA)	Voltage (V)	Dominant wavelength (nm)	Radiant power (mW)	Lumens (lm)@typ	Beam Angle°	Max Current (mA)
	CX353511DR00001	0.8	350	2.3	620-630	330	70	60/90/120	1000
	CX353511EG00001	1	350	3.0	520-530	268	140	60/90/120	1000
	CX353511FB00001	1	350	3.0	465-475	480	155	60/90/120	1000

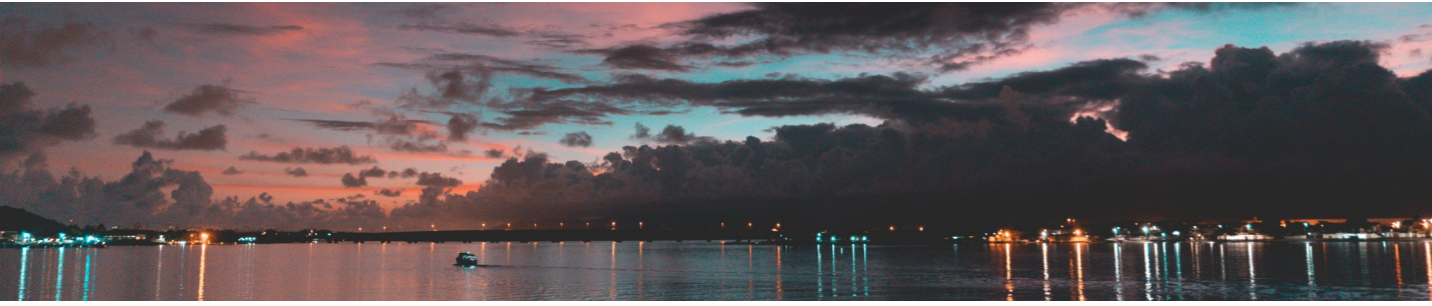
Color · Variety 3535R/G/B LEDs

Application:
Widely used for stage lighting or flood lights

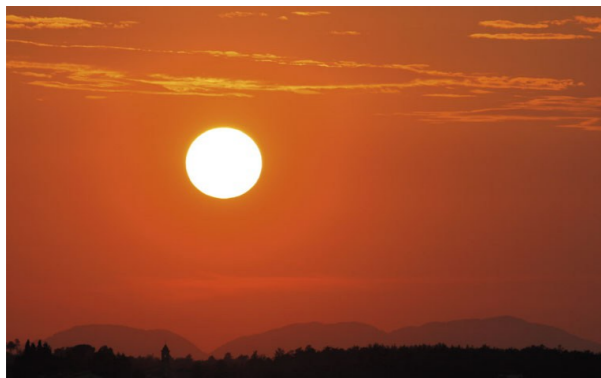
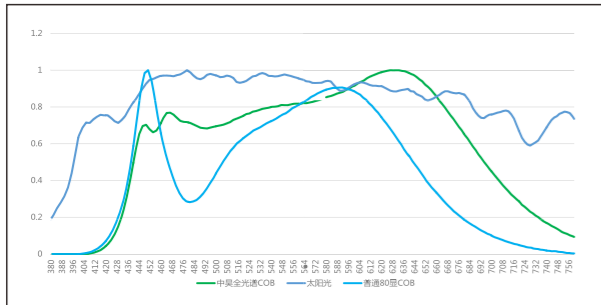
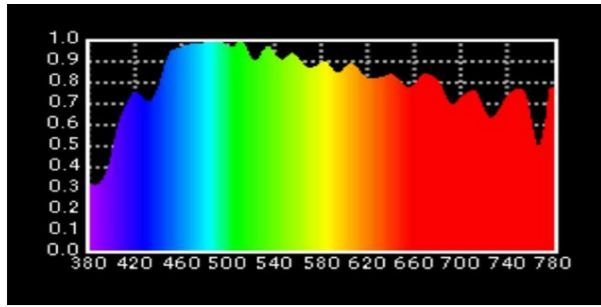
Product Advantages:

- Using ceramic thermoelectric separation eutectic packaging technology, lower thermal resistance, good stability and air-tightness
- Using customized high efficiency chip and high reflection and transmission material, lighting efficiency leading the market average level.
- Moding process + designed chip array to make more uniform light and color
- 60, 90 and 120° beam angles available





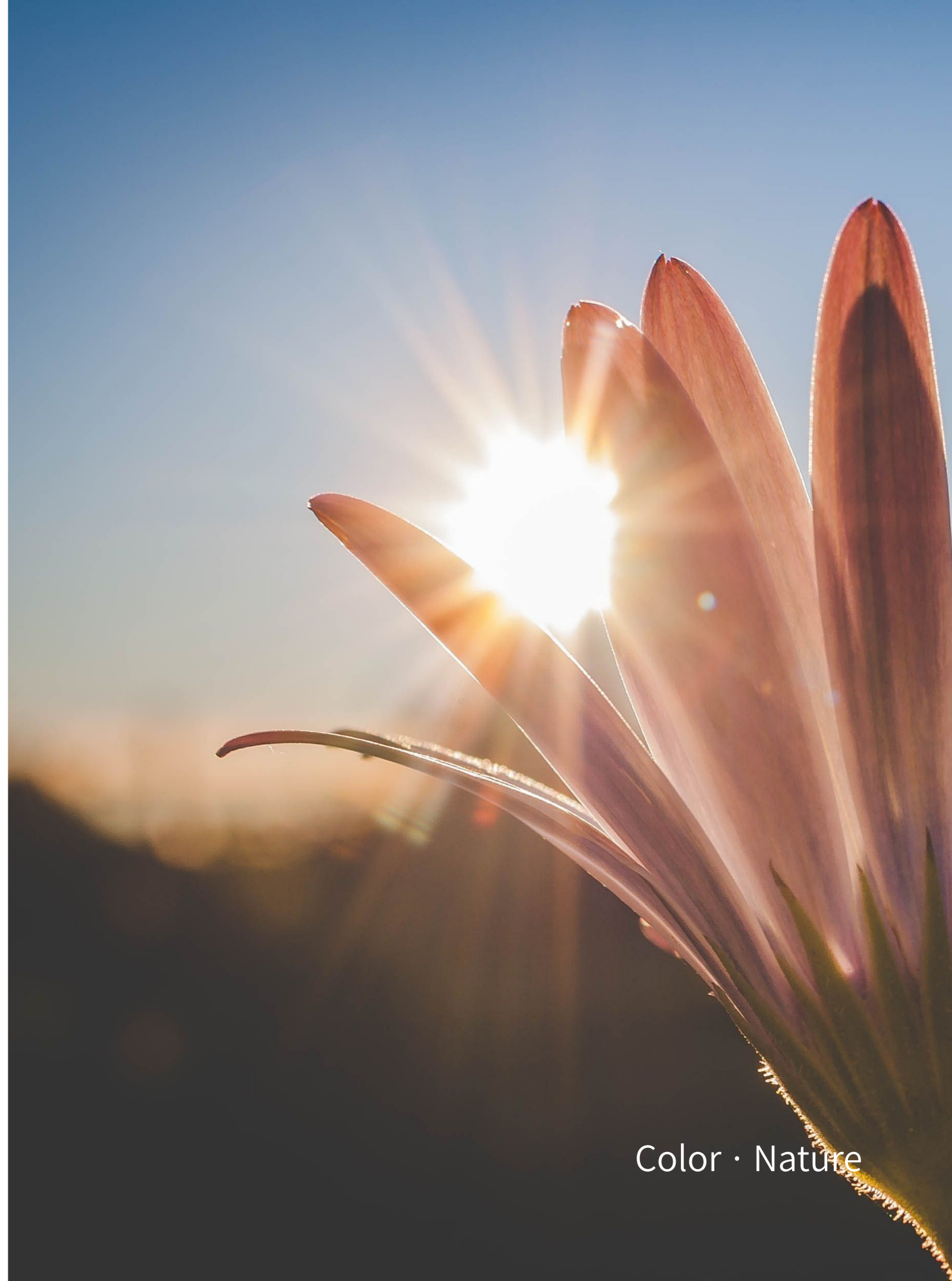
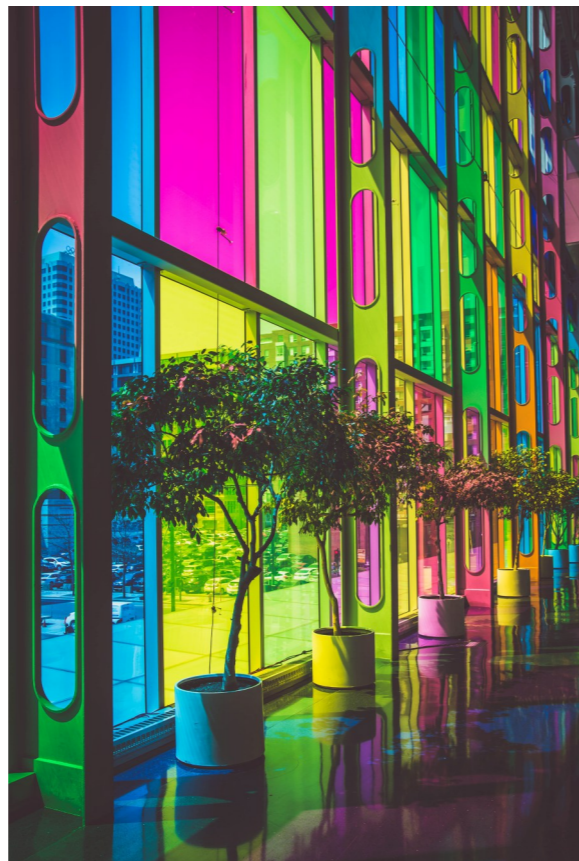
The spectrum of sunlight



Color · Nature

Full Spectrum COB (Gen 3)
Full Spectrum COB (Gen 4)

- Ra>97, Rf>95, Rg102
- R1~R15>90, R9>90, perfect reappearance of natural daylight.
- Healthy and comfortable, best option of commercial lighting such as hotel, club museum etc. or high-end household lighting.
- RG0, no blue ray harm



Color · Nature



COLOR. NATURE

Color · Nature Full Spectrum COB (Gen 3)

Application:
Widely used for high end commercial lighting such as hotels, museums, fashion chain stores and supermarkets; or household lighting

- Product Advantages:
- Simulated formula of the solar spectrum , applied with the latest international color evaluation system
 - Ra ≥ 95, Lumens efficiency > 120lm/W, Color Fidelity Rf: 95, Color Saturation Rg: 100 / Rg > 100 (optional)
 - National Invention Patent, Advanced technology
 - Reappearance of natural sunlight
 - Compatible sizes, easy to install and uninstall

- Product Feature:
- Ra-R15 are > 90, R9 > 90 healthy , comfortable, natural
 - LM-80 Certified
 - 3 years / 30000H working life warranty
 - Good chromatic consistency, chromatic aberration < 2SDCM



Color · Nature Full Spectrum COB (Gen 3)

Product Drawing	Product Model	Les (mm)	Power (W)	Current (mA)	Voltage (V)	CCT	Ra	Efficiency (LM/W)	Max Current (mA)
	BH1375-0212J6W*S-SG3	Ø7.5	6	180	36	2700K	97	100	400
			6	180	36	3000K	97	105	400
			6	180	36	4000K	97	110	400
	BH1311-0312J9W*S-SG3	Ø11	9	270	36	2700K	97	105	600
			9	270	36	3000K	97	110	600
			9	270	36	4000K	97	115	600
			12	360	36	2700K	97	105	800
			12	360	36	3000K	97	110	800
			12	360	36	4000K	97	115	800
	BH1917-0612J18W*S-SG3	Ø17	18	540	36	2700K	97	110	1200
			18	540	36	3000K	97	115	1200
			18	540	36	4000K	97	120	1200
	BH1917-0812J24W*S-SG3		24	720	36	2700K	97	110	1600
			24	720	36	3000K	97	115	1600
			24	720	36	4000K	97	120	1600
	BH1917-1012J30W*S-SG3		30	900	36	2700K	97	110	2000
			30	900	36	3000K	97	115	2000
			30	900	36	4000K	97	120	2000

Application:
Widely used for high end commercial lighting such as hotels, museums, fashion chain stores and supermarkets; or household lighting

- Product Feature:
- Ra-R15 are > 90, R9 > 90 healthy , comfortable, natural
 - LM-80 Certified
 - 3 years / 30000H working life warranty
 - Good chromatic consistency, chromatic aberration < 2SDCM



COLOR. NATURE

Color · Nature Full Spectrum COB (Gen 4)

Application:
Best option of lighting for fashion shops, offices and classrooms etc.

Product Advantages:

- Simulated formula of the solar spectrum, applied with the latest international color evaluation system
- Ra ≥ 95, Lumens efficiency > 120lm/W, Color Fidelity Rf: 95, Color Saturation Rg: 100 / Rg > 100 (optional).
- RG0 no blue ray harm, good lighting sources for human eyes
- Reappearance of natural sunlight
- Compatible sizes, easy to install and uninstall

Product Feature:

- Ra-R15 are > 90, R9 > 90 healthy, comfortable, natural
- LM-80 Certified
- 3 years / 30000H working life warranty
- Good chromatic consistency, chromatic aberration < 2SDCM



Product Drawing	Product Model	Les (mm)	Power (W)	Current (mA)	Voltage (V)	CCT	Ra	Efficiency (LM/W)	Max Current (mA)
	BH1375-0212J6W*S-SG4	Ø7.5	6	180	36	2700K	97	90	460
			6	180	36	3000K	97	100	460
			6	180	36	4000K	97	110	460
	BH1311-0312J9W*S-SG4	Ø11	9	270	36	2700K	97	90	690
			9	270	36	3000K	97	100	690
			9	270	36	4000K	97	110	690
	BH1311-0412J12W*S-SG4		12	360	36	2700K	97	90	920
			12	360	36	3000K	97	100	920
			12	360	36	4000K	97	110	920
	BH1917-0612J18W*S-SG4	Ø17	18	540	36	2700K	97	90	1380
			18	540	36	3000K	97	100	1380
			18	540	36	4000K	97	110	1380
	BH1917-0812J24W*S-SG4		24	720	36	2700K	97	90	1840
			24	720	36	3000K	97	100	1840
			24	720	36	4000K	97	110	1840
	BH1917-1012J30W*S-SG4		30	900	36	2700K	97	90	2300
			30	900	36	3000K	97	100	2300
			30	900	36	4000K	97	110	2300

Application:
Best option of lighting for fashion shops, offices and classrooms etc.

Product Feature:

- Ra-R15 are > 90, R9 > 90 healthy, comfortable, natural
- LM-80 Certified
- 3 years / 30000H working life warranty
- Good chromatic consistency, chromatic aberration < 2SDCM



- High Efficiency >135lm/W; >160lm/w, >170lm/W
- High CRI (Ra>80/90)
- High color consistency (Chromatic aberration ≤ 2 SDCM)

- Replacement of international brands
- 5-50W PIN TO PIN

- Sedimentation Process
- Anti-high temperature and anti-vulcanization

Color · Efficiency

High Efficiency COB
High Density COB



Color · Efficiency



COLOR. EFFICIENCY

Color·Efficiency High Efficiency COB

Application:
Widely used for high end commercial lighting such as hotels, museums, fashion chain stores and supermarkets; or household lighting

- Product Advantages:
- ANSI standard, cross reference with international brands
 - Ra >80/90, light efficiency of 130lm/W, 160lm/W, 170lm/W
 - Best option for commercial lighting, with 36V isolated power supply driver
 - Compatible sizes, easy to install and uninstal

- Product Feature:
- LM-80 Certified
 - 3 years /30000H working life warranty
 - Good chromatic consistency, chromatic aberration <2SDCM



Color·Efficiency High Efficiency COB

Product Drawing	Product Model	Les (mm)	Pin to Pin	Power (W)	Current (mA)	Voltage (V)	Ra	Efficiency (LM/W) @3000K	Lumens (lm)@typ	Max Current (mA)
	BH1375-0112J5W*H-YV3	Ø7.5	C*A1304	5	130	36	≥90	103	482	200
	BH16105-0212J7W*H-YV3	Ø10.5	C*A1507	7	200	36	≥90	103	741	400
	BH16105-0312J12W*H-YV3		C*A1512	12	350	36	≥90	108	1360	600
	BH16105-0412J15W*H-YV3		C*A1520	15	400	36	≥90	108	1555	800
	BH1814-0412J15W*H-YV3	Ø14	C*A1816	15	400	36	≥90	112	1612	800
	BH1814-0512J20W*H-YV3		C*A1820	20	550	36	≥90	112	2217	1000
	BH1816-0712J30W*H-YV3	Ø16	C*A1830	30	800	36	≥90	112	3225	1400
	BH2321-0812J20W*H-YV3	Ø21	C*A2520	20	550	36	≥90	115	2277	1200
	BH2321-1012J40W*H-YV3		C*A2540	40	1100	36	≥90	115	4554	2000
	BH1375-0112J3W*H-KV3	Ø7.5	C*U028-1201C4	3	90	36	≥90	125	405	230
	BH1375-0212J6W*H-KV3		C*U028-1202C4	6	180	36	≥90	125	810	460
	BH1311-0312J9W*H-KV3	Ø11	C*U028-1203C4	9	270	36	≥90	130	1263	690
	BH1311-0412J12W*H-KV3		C*U028-1204C4	12	360	36	≥90	130	1684	920
	BH1917-0512J15W*H-KV3	Ø17	C*U038-1205C4	15	450	36	≥90	130	2106	1150
	BH1917-0612J18W*H-KV3		C*U038-1206C4	18	540	36	≥90	130	2527	1380
	BH1917-0812J24W*H-KV3		C*U038-1208C4	24	720	36	≥90	130	3369	1840
	BH1917-1012J30W*H-KV3		C*U038-1210C4	30	900	36	≥90	130	4212	2300
	BH1375-0212J6W*H-SV3	Ø7.5	C*U02J-1201C9	6	180	36	≥90	130	842	460
	BH1311-0412J12W*H-SV3	Ø11	C*U02J-1204C9	12	360	36	≥90	135	1749	920
	BH1917-0612J18W*H-SV3	Ø17	C*U03J-1206C9	18	540	36	≥90	140	2721	1380
	BH1917-0812J24W*H-SV3		C*U03J-1208C9	24	720	36	≥90	140	3628	1840
	BH1917-1012J30W*H-SV3		C*U03J-1210C9	30	900	36	≥90	135	4374	2300
	BH2321-1412J42W*H-SV3	Ø21	/	42	1260	36	≥90	140	6350	3220



COLOR. EFFICIENCY


Color·Efficiency High Density COB

Application:
Widely used for high end commercial lighting such as hotels, museums, fashion chain stores and supermarkets; or household lighting

- Product Advantages:**
- smaller sizes, LES 3.5mm/4.6mm/9mm optional, best option for small spot lights
 - Ra ≥ 90, R9 > 60
 - Applicable with opticals < 10°, best option for smaller beam angle or focus-adjustable lights
 - Ultra-high power density, high central light intensity, good for emphasis lighting

- Product Feature:**
- LM-80 Certified
 - 3 years / 30000H working life warranty
 - Good chromatic consistency, chromatic aberration < 2SDCM

Color·Efficiency High Density COB

Product Drawing	Product Model	Les (mm)	Power (W)	Current (mA)	Voltage (V)	CCT	Ra	Efficiency (LM/W)	Lumens (lm)@typ	Max Current (mA)
	BH1105-0112J4W*H-V2	Ø5	4	120	36	3000K	≥90	92	397	200
						4000K		96	414	
						5700K		96	414	
	BH1306-0212J9W*H-PV2	Ø6	9	250	36	3000K	≥90	92	828	350
						4000K		96	864	
						5700K		96	864	
	BH1375-0412J15W*H-PV2	Ø7.5	15	400	36	3000K	≥90	105	1512	750
						4000K		115	1656	
						5700K		115	1656	
	BH16105-0612J25W*H-V2	Ø10.5	25	700	36	3000K	≥90	110	2772	1050
						4000K		120	3024	
						5700K		120	3024	
	BH1811-0812J30W*H-V2	Ø11	30	800	36	3000K	≥90	110	3168	1440
						4000K		120	3456	
						5700K		120	3456	



Color·Efficiency High Density COB

Application:
Widely used for high end commercial lighting such as hotels, museums, fashion chain stores and supermarkets; or household lighting

- Product Feature:**
- LM-80 Certified
 - years / 30000H working life warranty
 - Good chromatic consistency, chromatic aberration < 2SDCM