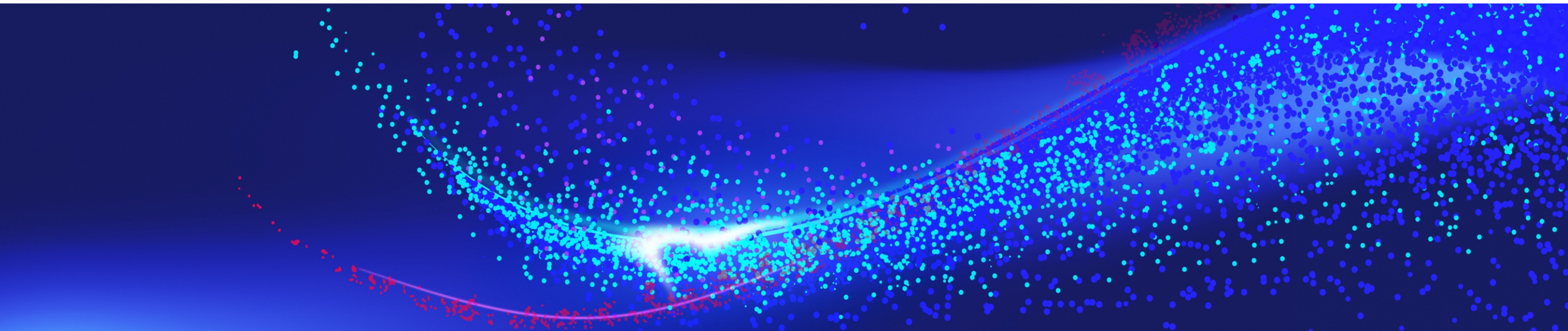




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WeChat

LED CATALOGUE

LED 封装产品目录



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公司介绍

Company Introduction

鸿利智汇 (SZ:300219) 创立于2004年, 总部位于中国广州, 是国内半导体封装器件的领导品牌。专注于LED封装业务、LED汽车照明业务等主营业务板块。公司多款产品获得中国CQC认证、欧盟CE认证、美国UL认证, 符合欧美LM-80寿命测试要求, SONY GP认定通知书, 并满足当前国际RoHS、REACH等法律法规要求。公司车规级LED封装多款产品通过AEC-Q102/IEC60810认证测试, 基本实现全车LED应用覆盖。拥有CNAS认可的“能源之星实验室”(获得美国EPA环保署认可), 以及广州、南昌、东莞、深圳、镇江等LED生产基地。凭借在行业的品牌影响力和核心竞争力, 公司产品已覆盖全国大部分省市, 并销往欧洲、美洲、东南亚、非洲等40多个国家和地区。

HONGLIZHIHUI (SZ:300219) was founded in 2004 and the headquarters is located in Guangzhou, China. It is a leading brand of semiconductor packaging devices in China. We focus on LED packaging business, LED automotive lighting business and other main business segments. Many of our products have obtained the Chinese CQC certification, European CE certification, American UL certification. Most of our products meet the European and American LM-80 life test requirements, and the current international RoHS, REACH and other laws and regulations. Meantime, some products have obtained the SONY GP certification notice.

Most of our automotive grade LED packaging products passed the AEC-Q102/IEC60810 certification test and achieved the whole vehicle LED application coverage basically. We have CNAS accredited "Energy Star Lab", which is accredited by EPA. We have LED production bases in Guangzhou, Nanchang, Dongguan, Shenzhen, Zhenjiang and so on. With the brand influence and core competitiveness in the LED industry, the application of our products have covered most provinces and cities in China, and are sold well to Europe, America, Southeast Asia, Africa and other more than 40 countries and regions.



总部 Headquarter
Guangzhou



注册资金 Registered capital
RMB 710 million



员工 Employees
4000+



2024营收 2024 Revenue
RMB 4225 million



生产基地 Manufacturing Sites
China (Guangzhou, Nanchang, Dongguan, Shenzhen and Zhenjiang city)
中国 (广州、南昌、东莞、深圳、镇江)



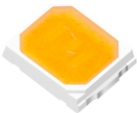
技术荣誉 Technical honors
荣获国家科学技术进步奖一等奖
Won the first prize of the 2019 National Science and Technology Progress Award



全球服务 Global Services
海外代理 Distributor: 俄罗斯 Russia、韩国 Korea、巴西 Brazil、印度 India
国内直销 The domestic direct selling: 广东 Guangdong、深圳 Shenzhen、福建 Fujian、浙江 Zhejiang、江苏 Jiangsu、四川 Sichuan

高光效系列High Efficiency Series

SMD 2835 Series

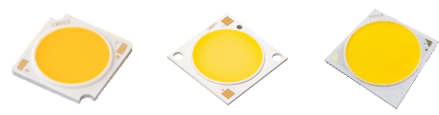


Size:3.5*2.74*0.65mm

- 光源可配合客户追求性价比、高光效等不同应用需求
 - 色容差3阶、5阶任选，光色一致性好
 - 体积小巧，设计灵活，适用于多种灯具设计
 - 提供多种颜色选择，满足不同场合的需求
 - 高可靠性，采用优质材料和先进的封装工艺
 - 应用于吸顶灯、面板灯、球泡灯、灯管和射灯等
- ◆ The light source can be matched with customer's pursuit of cost-performance/high luminous efficiency for different application requirements.
 - ◆ Color tolerance of 3 step and 5 step, good consistency of light color
 - ◆ Compact and flexible design, suitable for various lighting fixture designs.
 - ◆ Provide a variety of color options to meet the needs of different occasions.
 - ◆ High reliability, using high-quality materials and advanced packaging technology.
 - ◆ Applied to ceiling lights, panel lights, bulb lights, tube lights, and spotlights.

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
AS-2835D1W-2-S1-08L-PCT-HR3	0.2W	60	2.8	4000K	34	207	80	120°
AS-2835D68W-2-S1-08L-PCT-HR3	0.2W	60	2.8	4000K	35	213	80	120°
AS-2835D90W-2-S1-08L-PCT-HR3	0.2W	60	2.8	4000K	36	223	80	120°
AS-2835F39W-2-S1-08L-PCT-HR3-K3-SPHO	0.2W	60	2.8	4000K	38	237	80	120°
AS-2835D68W-2C-S1-08L-PCT-HR3-K3	1W	150	6	4000K	146	160	80	120°
AS-2835D46W-2C-S1-08L-PCT-HR3-K3	1W	150	6	4000K	153	170	80	120°
AS-2835D90W-2C-S1-08L-PCT-HR3-K3	1W	150	6	4000K	160	180	80	120°
AS-2835D46W-3C-S1-08L-PCT-HR3-K3	1W	100	9	4000K	160	188	80	120°
AS-2835D90W-3C-S1-08L-PCT-HR3-K3	1W	100	9	4000K	168	195	80	120°
AS-2835F40W-3C-S1-08L-PCT-HR3-K3	1W	100	9	4000K	172	202	80	120°

COB Series



- 3W~55W不同功率选择，尺寸、发光面积可兼容市面通用型灯具配件
- 颜色一致性好，采用近似3阶麦克亚当椭圆分选
- 应用于射灯、PAR灯、导轨灯、筒灯等
- ◆ 3W~55W multiple power options available, with size and luminous area compatible with universal lamp accessories on the market.
- ◆ Good color consistency, using an approximate 3 step MacAdam ellipse sorting.
- ◆ Applied to spotlights, PAR lights, track lights, recessed lights, etc.

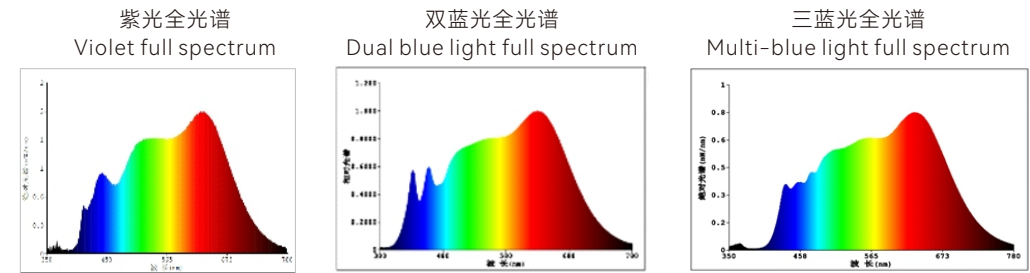
Part Number	Dimensions (mm)	LES(mm)	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
LMH03D94W-20B12C13(Ra4)-S-SPHO-MH	19*19*1.6	Φ17	10.5W	300	35	4000K	1950	185	90	120°
LM071F39W-50B20C13(Ra4)-S-SPHO-MH	28*28*1.6	Φ24.5	15W	450	35	4000K	3060	200	90	120°
LM3229F39W-30B25C14(Ra4)-S-SPHO	31.5*31.5*1.6	Φ29.5	27W	800	35	4000K	5480	203	90	120°

健康照明-TOP系列Healthy lighting TOP Series

采用多波段芯 激发特殊荧光粉技术方案，蓝光相对光谱强度低于0.6，蓝光危害等级能够达到RG0。且在480nm处光谱饱和，富有一定的节律效应，在技术创新方面取得多项专利。

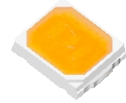
Using a multi-wavelength chip to excite special phosphor technology, the relative spectral intensity of blue light is lower than 0.6, and the blue light hazard level can reach RG0.

The spectrum is saturated at 480nm and has a certain rhythmic effect, It has obtained a number of patents in technological innovation.



- 光谱突兀的波峰更少，与自然光更接近
- 低蓝光，400~500nm的蓝光相对占比小于0.6，蓝光危害等级达到RG0
- 拟合度系数GFC和平均光谱差ASD均达到法规及行业标准
- 高显色性，具有自然而生动的色彩还原能力
- 人因照明设计，提供符合人体健康需求的照明方案
- 高可靠性，采用优质材料和先进的封装工艺
- 应用于教育照明、博物馆照明、高端照明等对光谱质量要求高的领域，如台灯、护眼灯、相机补光灯
- ◆ Fewer spectral peaks for closer resemblance to natural light
- ◆ Low blue light, with the relative ratio of blue light in the 400~500nm range less than 0.6, achieving RG0 blue light hazard classification.
- ◆ Meets regulatory and industry standards for both GFC (Goodness of Fit Coefficient) and ASD (Average Spectral Difference)
- ◆ High color rendering, with natural and vivid color reproduction ability
- ◆ Human-centric Lighting Design, providing lighting solutions that meet the needs of human health.
- ◆ High reliability through premium materials and advanced packaging technology
- ◆ Applied to fields with high requirements for spectral quality, such as educational lighting, museum lighting, and high-end lighting, including desk lamps, eye-care lamps, and camera fill lights.

SMD 2835 Series



Size:3.5*2.74*0.65mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
A-2835H466WD3VW-2-S1-08L-PCT-HR7-LU	0.2W	60	2.8	4000K	24.3	145	97	120°
A-2835D4WD90VW-2-S1-08L-PCT-HR7	0.5W	150	2.8	4000K	63	145	97	120°
A-2835D4CBW-3-S1-08L-PCT-HR7-K3	0.2W	60	2.75	4000K	25	153	97	120°
A-2835D3CBW-4-S1-08L-PCT-HR7	0.2W	90	2.8	4000K	36	145	97	120°
A-2835D4CBW-3C-S1-08L-PCT-HR7-K3	1W	100	9	4000K	115	130	97	120°
A-2835D90CBW-3C-S1-08L-PCT-HR7-K3	1W	100	9	4000K	121	142	97	120°

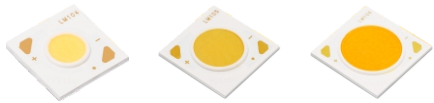
EMC 3030 Series



Part Number	Dimensions (mm)	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
ES-3030D90CBW-2C-S1-HR7	3.0*3.2*0.6	1W	120	6	4000K	90	125	97	120°
EMC-3030D90VW-2C-S1-HR6-F2	3.0*3.0*0.6	1W	150	6	4000K	105	117	97	120°

健康照明-COB 系列Healthy lighting COB Series

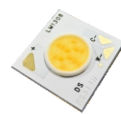
COB Series



- 显色指数≥97，设计方案包含单蓝光方案，双蓝光方案，三蓝光方案，依据客户对于R1~R15要求区分。
 - 具有高色彩逼真度和饱和度，还原物体颜色和提升视觉舒适度方面表现突出。
 - 产品适配5W-30W全功率段解决方案，尺寸、发光面积可兼容市面通用型灯具配件
 - 人因照明设计，提供符合人体健康需求的照明方案
 - 高可靠性，采用优质材料和先进的封装工艺
 - 应用于教育照明、博物馆照明、高端照明等对光谱质量要求高的领域
- ◆ Color Rendering Index (CRI) ≥97. The design schemes include a single-blue-light scheme, dual-blue-light scheme, and triple-blue-light scheme, differentiated according to the client's specific requirements for R1 to R15.
 - ◆ Delivers outstanding color fidelity and saturation, excelling in both authentic color reproduction and enhanced visual comfort.
 - ◆ The product offers a comprehensive solution compatible with the full power range from 5W to 30W. Its dimensions and light-emitting area are designed to be universally adaptable to standard lighting fixtures and accessories available on the market.
 - ◆ Human-centric Lighting Design, providing lighting solutions that meet the needs of human health.
 - ◆ High reliability through premium materials and advanced packaging technology
 - ◆ Applied to fields with high requirements for spectral quality, such as educational lighting, museum lighting, and high-end lighting

Part Number	Dimensions (mm)	LES(mm)	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
LM104D94CBW-5B1C12(Ra7)-S	13.35*13.35*1.6	Φ7.5	3.5W	100	36	4000K	405	113	97	120°
LM105D94CBW-10B2C12(Ra7)-S	15.85*15.85*1.6	Φ10.5	9W	260	36	4000K	980	105	97	120°
LM105D94CBW-20B4C12(Ra7)-S	15.85*15.85*1.6	Φ10.5	18W	500	36	4000K	1975	110	97	120°
LM106D94CBW-25B4C12(Ra7)-S	17.85*17.85*1.6	Φ14	25W	700	36	4000K	2505	100	97	120°

智能调光COB Series



- 低蓝光设计，搭配自主开发芯片级点胶技术
 - 色温范围2700K-5700K可调
 - 拟合度系数GFC和平均光谱差ASD均达到法规及行业标准
 - 高显色性，具有自然而生动的色彩还原能力
 - 人因照明设计，提供符合人体健康需求的照明方案
 - 高可靠性，采用优质材料和先进的封装工艺
 - 应用于教育照明、博物馆照明、高端照明等对光谱质量要求高的领域
- ◆ Low blue light design, paired with self-developed chip-level dot gluing technology.
 - ◆ Adjustable color temperature range of 2700K - 5700K
 - ◆ Both the Goodness of Fit Coefficient (GFC) and the Average Spectral Difference (ASD) meet regulatory and industry standards.
 - ◆ High color rendering, with natural and vivid color reproduction ability
 - ◆ Human-centric Lighting Design, providing lighting solutions that meet the needs of human health.
 - ◆ High reliability through premium materials and advanced packaging technology
 - ◆ Applied to fields with high requirements for spectral quality, such as educational lighting, museum lighting, and high-end lighting

Part Number	Dimensions (mm)	LES(mm)	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
LM1308D94CBW-5B2C12(Ra7)-DS	13.35*13.35*1.6	Φ8	7W	200	36	2700K	590	82	97	120°
						5700K	660	91		

TOP系列TOP Series

- 体积小巧，设计灵活，适用于多种灯具设计
 - 提供多种颜色选择，满足不同场合的需求
 - 高可靠性，采用优质材料和先进的封装工艺
 - 应用于吸顶灯、面板灯、球泡灯、灯管等
- ◆ Compact and flexible design, suitable for various lighting fixture designs.
 - ◆ Offers multiple color temperature options to meet the needs of different scenarios.
 - ◆ High reliability, using high-quality materials and advanced packaging technology.
 - ◆ Applied to ceiling lights, panel lights, bulb lights, and tube lights.

SMD 2016 Series



Size:2.2*1.6*0.6mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
A-2016H421W-S1-PCT-HR3	0.2W	60	3	4000K	27	155	80	120°
A-2016H421W-S1-PCT-HR5	0.2W	60	3	4000K	25	145	90	120°
A-2016D4W-S1-PCT-HR5	0.2W	60	3	4000K	27	155	90	120°

SMD 3528 Series



Size:3.5*2.8*0.7mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
AS-3528H421W-2C-S1-08L-PCT-HR3(R9)-R1	1W	150	6	4000K	126	135	80	120°
AS-3528D68W-3C-S1-08L-PCT-HR3(R9)-R1	1W	100	9	4000K	150	170	80	120°

GENERAL LIGHTING SERIES
通用照明系列

SMD 2835 Series



Size:3.5*2.74*0.65mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
AM-2835H489W-S1-08HL-HR3(R9)	0.2W	60	3	4000K	28	156	80	120°
AM-2835H466W-S1-08HL-HR3(R9)	0.2W	60	3	4000K	29	160	80	120°
AM-2835H421W-S1-08-HR3	0.2W	60	3	4000K	30	167	80	120°
AM-2835D1W-S1-08HL-HR3(R9)	0.5W	150	3	4000K	68	151	80	120°
AS-2835H466W-2C-S1-08L-PCT-HR3(R9)-K3	1W	150	6	4000K	120	130	80	120°
AS-2835D1W-2C-S1-08L-PCT-HR3(R9)-K3	1W	150	6	4000K	140	150	80	120°
AS-2835D68W-2C-S1-08L-PCT-HR3(R9)-K3	1W	150	6	4000K	145	156	80	120°
AS-2835H421W-3C-S1-08L-PCT-HR3(R9)-K3	1W	100	9	4000K	140	155	80	120°
AS-2835D1W-3C-S1-08L-PCT-HR3(R9)-K3	1W	100	9	4000K	150	168	80	120°
AS-2835D68W-3C-S1-08L-PCT-HR3(R9)-K3	1W	100	9	4000K	156	176	80	120°
AS-2835DV35W-S1-08L-PCT-HR3(R9)	0.5W	60	9	4000K	76	142	80	120°
AS-2835DV65W-S1-08L-PCT-HR3(R9)	0.5W	30	18	4000K	77	140	80	120°
AS-2835HV36W-2C-S1-08L-PCT-HR3(R9)-K3	0.5W	30	18	4000K	84	160	80	120°
AS-2835DV35W-2C-S1-08L-PCT-HR3-K3	1W	60	18	4000K	150	140	80	120°
AS-2835DV65W-2C-S1-08-PCT-HR3(R9)-K3	1W	30	36	4000K	150	135	80	120°

GENERAL LIGHTING SERIES
通用照明系列

SMD 4014 Series



Size:4.0*1.45*0.65mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
A-4014H489W-S1-HR3-DM-HL	0.2W	60	3	4000K	27	150	80	120°
A-4014H421W-S1-HR3-DM-HL	0.2W	60	3	4000K	29	161	80	120°
A-4014D1W-S1-PCT-HR3-HL	0.5W	150	3	4000K	65	135	80	120°
A-4014D46W-S1-PCT-HR3-HL	0.5W	150	3	4000K	70	160	80	120°
A-4014D90W-S1-PCT-HR3-HL	0.5W	150	3	4000K	77	172	80	120°

SMD 5730 Series



Size:5.7*3.0*0.8mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
A-5730D1W-S1-08-HR3(LY)	0.5W	150	3	4000K	63	140	80	120°
A-5730D34W-S1-08-HR3(LY)	0.5W	150	3	4000K	70	156	80	120°

SMD 3030 Series

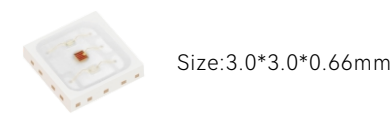


Size:3.2*3.0*0.67mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
AS-3030D46W-2C-S1-08L-PCT-HR3	1W	150	6	4000K	145	160	80	120°
AS-3030D90W-2C-S1-08L-PCT-HR3	1W	150	6	4000K	155	169	80	120°

灯带/灯条-RGB系列Strip light RGB series

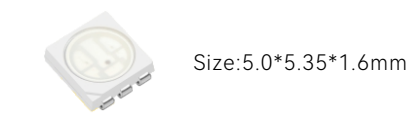
EMC 3030RGB Series



- 紧凑的封装尺寸规格
- 低热阻，耐高电流驱动
- 高可靠性，采用高耐热EMC封装
- 应用于灯条、灯带、氛围灯等
- ◆ Compact packaging size specifications
- ◆ Low thermal resistance, capable of withstanding high current drive
- ◆ High reliability, using high heat resistant EMC package
- ◆ Applied to light strips, strip lights, atmosphere lights, etc

Part Number	Colour	IF(mA)	VF(V)	WL(nm)	Φ(lm)	Viewing angle
EMC-3030RGB-S1-W-H-P6	R	20	2	618-625	5	120°
	G	20	3	518-528	9	
	B	20	3	460-470	3	
EMC-3030RGB-S1-W-D-P6	R	60	2	618-625	8	120°
	G	60	3	518-528	18	
	B	60	3	460-470	4	
EMC-3030RGB-S1-W-F-P6	R	150	2	618-625	20	120°
	G	150	3	518-528	40	
	B	150	3	460-470	13	

5060RGB Series



- 搭载高性价比RGB小芯片
- 单一波长/亮度BIN，颜色一致性好
- 高可靠性，采用优质材料和先进的封装工艺
- 应用于灯条、灯带、氛围灯等
- ◆ Equipped with high-performance RGB microchips
- ◆ Single wavelength/brightness BIN, good color consistency
- ◆ High reliability, using high-quality materials and advanced packaging technology.
- ◆ Applied to light strips, strip lights, atmosphere lights, etc

Part Number	Colour	IF(mA)	VF(V)	WL(nm)	IV(mcd)	Viewing angle
AF-5060H324BS5FS10GC-S1-TLD-B1-R	R	20	2	618-624	650	120°
	G	20	3	520-525	1250	
	B	20	3	462-467	280	
AF-5060H248BS36FU76GC-S1-TLD-B1	R	20	2	617-627	400	120°
	G	20	3	518-528	1600	
	B	20	3	464-474	310	
AF-5060U79GS8FH271BC-S1-TLD-B1-R	R	20	2	617-627	610	120°
	G	20	3	515-525	1600	
	B	20	3	464-474	400	

3528RGB Series



Size:3.5*2.7*0.85mm

- 搭载高性价比RGB小芯片
- 单一波长/亮度BIN，颜色一致性好
- 高可靠性，采用优质材料和先进的封装工艺
- 应用于灯条、灯带、氛围灯等
- ◆ Equipped with high-performance RGB microchips
- ◆ Single wavelength/brightness BIN, good color consistency
- ◆ High reliability, using high-quality materials and advanced packaging technology.
- ◆ Applied to light strips, strip lights, atmosphere lights, etc

Part Number	Colour	IF(mA)	VF(V)	WL(nm)	IV(mcd)	Viewing angle
AF-3528S39FU70GH203BC-A-S1-LS	R	20	2	617-627	380	120°
	G	20	3	515-525	1600	
	B	20	3	464-474	400	

灯带,灯条-TOP系列Strip light TOP series

- 小尺寸满足高光密度需求，可以实现更均匀的照明效果
- 提供多种色温选择，满足不同场景需求。
- 高可靠性，采用优质材料和先进的封装工艺
- 应用于灯条、灯带、氛围灯等
- SMD 2219系列线性发光，拒绝暗区，颜色一致性对标COB灯带
- ◆ The ultra-compact size fulfills high luminous density demands, achieving more uniform illumination effects.
- ◆ Offers multiple color temperature options to meet the needs of different scenarios.
- ◆ High reliability, using high-quality materials and advanced packaging technology.
- ◆ Applied to light strips, strip lights, atmosphere lights, etc
- ◆ SMD 2219 series linear light, rejecting dark areas, and color consistency is benchmarked against COB strip light

SMD 2219 Series



Size:2.2*1.9*0.65mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
A2219WXH2-D01-8D2AB2	0.2W	60	3	4000K	26	144	80	120°
A2219WXH2-D01-9D2AB2	0.2W	60	3	4000K	24	133	90	120°

SMD 3528 Series



Size:3.5*2.8*0.7mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
A-3528H343W-S1-13HL-HR3	0.1W	20	3	4000K	8.5	142	80	120°
A-3528H343W-S1-13HL-HR5	0.1W	20	3	4000K	7.8	138	90	120°

SMD 3014 Series



Size:3.0*1.4*0.7mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
A-3014H416W-S1-08HL-HR3	0.1W	30	3	4000K	13.5	150	80	120°
A-3014H421W-S1-08HL-HR3	0.1W	30	3	4000K	14	156	80	120°

SMD 5060 Series



Size:5.0*5.4*1.6mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
AF-5060H343W-3-S1-TLB-HR3-B1	0.2W	60	3	4000K	29	161	80	120°
AF-5060H415W-3-S1-TLB-HR3-B1	0.2W	60	3	4000K	26	144	80	120°



商业照明系列-Commercial lighting Series

镜面铝LM COB Series



- 不同功率选择，尺寸、发光面积可兼容市面通用型灯具配件
 - 颜色一致性好，采用近似3阶麦克亚当椭圆分选
 - 提供多种色温选择，满足不同场景需求。
 - 高可靠性，采用优质材料和先进的封装工艺
 - 应用于射灯、筒灯、轨道灯等商业照明
- ◆ Multiple power options available, compatible in size and illuminated area with universal lighting fixtures/accessories on the market.
 - ◆ Good color consistency, using an approximate 3 step MacAdam ellipse for sorting.
 - ◆ Offers multiple color temperature options to meet the needs of different scenarios.
 - ◆ High reliability, using high-quality materials and advanced packaging technology.
 - ◆ Applied to commercial lighting such as spotlights, downlights, and track lights.

Part Number	Dimensions (mm)	LES(mm)	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
LMH02D90W-9B4C12(Ra4)-S	13.5*13.5*1.6	Φ11.2	12W	360	35	3000K	1580	125	90	120°
LMH03D90W-20B10C12(Ra4)-S	19*19*1.6	Φ17	31W	900	35	3000K	4125	131	90	120°
LMH04D90W-60B18C18(Ra4)-S	28*28*1.6	Φ24.5	58W	1620	53	3000K	10100	118	90	120°

镜面铝LM-HI COB Series



- 功率密度由0.28W/mm²提升至0.40W/mm²
- 小发光面高强度光束输出
- 可匹配小角度二次光学灯具
- 颜色一致性好，采用近似3阶麦克亚当椭圆分选
- 提供多种色温选择，满足不同场景需求。
- 高可靠性，采用优质材料和先进的封装工艺
- 应用于射灯、筒灯、轨道灯等商业照明

- ◆ Power density increased from 0.28 W/mm² to 0.40 W/mm²
- ◆ High-intensity light beam output with a small luminous surface
- ◆ Matching small-angle secondary optical luminaire
- ◆ Good color consistency, using an approximate 3 step MacAdam ellipse for sorting.
- ◆ Offers multiple color temperature options to meet the needs of different scenarios.
- ◆ High reliability, using high-quality materials and advanced packaging technology.
- ◆ Applied to commercial lighting such as spotlights, downlights, and track lights.

Part Number	Dimensions (mm)	LES(mm)	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
LM1307D90W-10B2C12(Ra4)-S	13.5*13.5*1.6	Φ7.5	10W	300	36	3000K	1200	111	90	120°
LM1307D90W-15B3C12(Ra4)-S	13.5*13.5*1.6	Φ7.5	15W	350	36	3000K	1410	112	90	120°
LM105D90W-12B5C12(Ra4)-S-MH	15*15*1.6	Φ10.5	25W	750	36	3000K	3080	114	90	120°
LM1912D90W-35B7C12(Ra4)-S	19*19*1.6	Φ12.5	35W	960	36	3000K	3860	112	90	120°

倒装LH COB Series



- 高可靠性，倒装无金线封装，有效的解决虚焊、断线不良问题
- 低热阻，缩短了导热路径，热阻更低
- 提供多种色温选择，满足不同场景需求。
- 颜色一致性好，采用近似3阶麦克亚当椭圆分选
- 应用于射灯、筒灯、轨道灯等商业照明

- ◆ High reliability, gold wire-free flip-chip packaging, effectively resolving issues such as cold solder joints and wire breakage.
- ◆ Low thermal resistance, shortening the heat conduction path, resulting in lower thermal resistance.
- ◆ Offers multiple color temperature options to meet the needs of different scenarios.
- ◆ Good color consistency, using an approximate 3 step MacAdam ellipse for sorting.
- ◆ Applied to commercial lighting such as spotlights, downlights, and track lights.

Part Number	Dimensions (mm)	LES(mm)	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
LH2009D101W-12B1C24(Ra2)-FC	16*19.7*1.6	Φ8.5	12W	150	74	3000K	1100	99	80	120°
LH2009D101W-20B1C40(Ra2)-FC	16*19.7*1.6	Φ8.5	20W	150	120	3000K	1710	95	80	120°
LH2610D101W-20B2C24(Ra4)-FC	17.25*25.6*1.6	Φ10.5	20W	300	72	3000K	1710	80	90	120°
LH2614D101W-30B1C60(Ra2)-FC	17.25*25.6*1.6	Φ14	30W	150	180	3000K	2700	100	80	120°
LH021D101W-7B1C14(Ra4)-FC	13.5*13.5*1.6	Φ7.5	7W	150	42	3000K	540	86	90	120°
LH021D101W-12B1C24(Ra4)-FC	13.5*13.5*1.6	Φ7.5	12W	150	72	3000K	875	81	90	120°
LH022D101W-18B1C36(Ra4)-FC	13.5*13.5*1.6	Φ11	18W	150	108	3000K	1410	87	90	120°
LH022D101W-20B1C40(Ra4)-FC	13.5*13.5*1.6	Φ11.02	20W	150	120	3000K	1555	86	90	120°
LH023D101W-30B1C60(Ra4)-FC	19*19*1.6	Φ13.85	30W	150	180	3000K	2400	89	90	120°
LH024D101W-30B1C60(Ra2)-FC	19*19*1.6	Φ17	30W	150	180	3000K	2755	102	80	120°

陶瓷LC COB Series

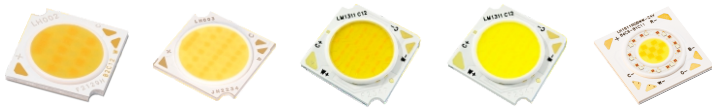


- 陶瓷基板封装，更低的热阻，更优的导热能力
- 电气间隔及Hi-Pot测试满足GB7000.1-2015标准
- 提供多种色温选择，满足不同场景需求。
- 颜色一致性好，采用近似3阶麦克亚当椭圆分选
- 高可靠性，采用优质材料和先进的封装工艺
- 应用于射灯、筒灯、轨道灯等商业照明

- ◆ Ceramic substrate packaging, lower thermal resistance, and superior heat conduction capabilities.
- ◆ Electrical clearance and Hi-Pot test meet GB7000.1-2015 standard.
- ◆ Offers multiple color temperature options to meet the needs of different scenarios.
- ◆ Good color consistency, using an approximate 3 step MacAdam ellipse for sorting.
- ◆ High reliability, using high-quality materials and advanced packaging technology.
- ◆ Applied to commercial lighting such as spotlights, downlights, and track lights.

Part Number	Dimensions (mm)	LES(mm)	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
LC2009D4W-7B1C14(Ra4)-S	16*19.7*1.6	Φ8.5	7W	150	42	3000K	640	102	90	120°
LC2009D4W-12B1C24(Ra4)-S	16*19.7*1.6	Φ8.5	12W	150	72	3000K	1070	99	90	120°
LC2009D4W-18B1C36(Ra4)-S	16*19.7*1.6	Φ8.5	18W	150	108	3000K	1500	93	90	120°
LC2611D4W-24B1C54(Ra4)-S	17.25*25.6*1.6	Φ11.5	23W	150	160	3000K	2420	101	90	120°
LC2614D4W-30B1C62(Ra4)-S	17.25*25.6*1.6	Φ14	30W	150	186	3000K	2800	100	90	120°
LC2614D4W-50B2C54(Ra4)-S	17.25*25.6*1.6	Φ14	50W	300	162	3000K	4815	99	90	120°

智能调光COB Series



- 高密度：芯片最小间隔0.18mm
- 高功率：28W@发光面直径11mm
- 镜面铝基板+芯片涂覆工艺，光效提升15%
- 可以根据需求调节色温，实现从暖白光到冷白光的无缝切换，满足不同场景的照明需求
- 采用多色荧光粉垂直分层涂覆工艺，光色出光均匀，无光斑
- 高可靠性，采用优质材料和先进的封装工艺
- 应用于射灯、筒灯、轨道灯等商业照明

- ◆ High density: minimum chip spacing of 0.18 mm
- ◆ High power: 28W @ luminous surface diameter 11mm
- ◆ Mirror aluminum substrate + chip coating process, light efficiency increased by 15%
- ◆ Adjust the color temperature as needed to achieve seamless switching from warm white to cool white light, meeting the lighting requirements of different scenarios.
- ◆ The vertical layered coating process with multi-color phosphors ensures uniform light distribution without any spots.
- ◆ High reliability, using high-quality materials and advanced packaging technology.
- ◆ Applied to commercial lighting such as spotlights, downlights, and track lights.

Part Number	Dimensions (mm)	LES(mm)	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
LH002F95W-12B2C12(Ra4)-CS	13.5*13.5*1.6	Φ11.2	12W	300	36	3000K	930	86	90	120°
LH003F95W-24B4C12(Ra4)-CS	19*19*1.6	Φ17	24W	600	36	3000K	1830	85	90	120°
LH004F95W-48B8C12(Ra4)-CS	28*28*1.6	Φ24.5	48W	1200	36	3000K	2300	106	90	120°
LH1311D101W-9B4C12(Ra4)-CS	13.5*13.5*1.6	Φ8	9W	300	35	2700K	3760	87	90	120°
LM1311D90W-12B4C12(Ra4)-DS	13.35*13.35*1.6	Φ10.85	12W	300	36	5000K	4560	106	90	120°
LM1916D90W-20B8C12(Ra4)-DS	19*19*1.6	Φ15.8	20W	600	36	3000K	920	87	90	120°
LM1917D90W-30B11C12(Ra4)-DS	19*19*1.6	Φ16.85	30W	850	36	6000K	1100	105	90	120°
LM1917D90W-40B13C12(Ra4)-DS	19*19*1.6	Φ16.85	40W	1100	36	3000K	1220	113	90	120°
LH1611RGBWW-7B1C11-B4C8(Ra4)-FC-CS	15.85*15.85*1.6	Φ11.0	7W	200	24	5700K	1350	125	90	120°
						3000K	2505	116	90	120°
						5700K	2755	128	90	120°
						3000K	3275	107	90	120°
						5700K	3820	125	90	120°
						3000K	4290	108	90	120°
						5700K	4455	113	90	120°
						2700K	360	75	90	120°
						6000K	440	92	90	120°
						R	100	21	90	120°
						G	400	83	90	120°
						B	120	25	90	120°

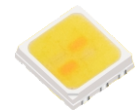
青空灯COB Series



- 单色系列产品色温8000K，搭通过客户端透镜，使光线在扩散后形成蓝天视觉效果
- 双色系列产品色温调节范围（1600K-8000K），可模拟日出日落的光色变化
- 高可靠性，采用优质材料和先进的封装工艺
- 应用于青空灯、天空灯、氛围照明灯等
- ◆ Monochrome series products have a color temperature of 8000K, with a client lens, so that the light forms a blue sky visual effect after diffusion
- ◆ Two-color series products color temperature adjustment range (1600K-8000K), which can simulate the light color change of sunrise and sunset
- ◆ High reliability, using high-quality materials and advanced packaging technology
- ◆ Applied to blue sky lights, sky lights, mood lights, etc

Part Number	Dimensions (mm)	LES(mm)	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
LM021D46W-5B4C6(Ra4)	13.5*13.5*1.6	Φ7.5	7.2W	400	18	7800K	800	110	90	120°
LH1308F95W-6B4C6(Ra5)-FC-CS	13.5*13.5*1.6	Φ8.0	12.6W	700	17	1600K	405	66	90	120°
						8000K	720	101	95	

智能调光PCT 3030 Series



Size:3.2*3.0*0.67mm

- 可以根据需求调节色温，实现从暖白光到冷白光的无缝切换，满足不同场景的照明需求
- 采用多色荧光粉垂直分层涂覆工艺，光色出光均匀，无光斑
- 与同行相比，光效要高约7%，平均颜色不均匀性du'v'也更低
- 高可靠性，采用优质材料和先进的封装工艺
- 应用于射灯、格栅灯、磁吸灯等商业照明
- ◆ Adjust the color temperature as needed to achieve seamless switching from warm white to cool white light, meeting the lighting requirements of different scenarios.

- ◆ The vertical layered coating process with multi-color phosphors ensures uniform light distribution without any spots.
- ◆ Compared to its peers, it exhibits approximately 7% higher luminous efficacy and lower average color non-uniformity.
- ◆ High reliability, using high-quality materials and advanced packaging technology.
- ◆ Applied to commercial lighting such as spotlights, grille lights, and magnetic absorption lights.

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
AF-3030D68W-B2C2-S1-08-PCT-HR3-DS	1W	150	6.2	3000K	120	129	80	120°
				6500K	130	140		
AF-3030D90W-2-S1-08L-PCT-HR5-DS	1W	300	3.4	3000K	95	93	90	120°
				5700K	115	113		

EMC 7070 Series



Size:7.0*7.0*0.8mm

- 替代COB产品，尺寸更小，可实现更高的光密度
- 高耐热EMC封装，热电分离焊盘设计，更高的可靠性
- 10W-16W不同功率版本，满足不同应用的需求
- 全色温2700-6500K和36-108V电压选择，方便电路设计
- 可定制防硫化工艺产品，应对户外高防硫要求
- 应用于射灯、轨道灯等商业照明
- ◆ Replace COB products with smaller sizes, achieving higher light density.
- ◆ High heat-resistant EMC package, thermoelectric separation pad design, higher reliability
- ◆ 10W-16W different power versions to meet the needs of different applications
- ◆ Full color temperature range of 2700-6500K and 36-108V voltage options for convenient circuit design.
- ◆ Customizable anti-sulfurization process products for outdoor high anti-sulfur requirements.
- ◆ Applied to spotlights, track lights, and other commercial lighting

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
EMC-7070D1W-B1C36-S1-HR5-Y-P6	14W	130	108	4000K	1330	95	90	120°
EMC-7070D90W-B1C24-S1-HR3-Y-P6	11W	150	74	4000K	1370	123	80	120°
EMC-7070D90W-B2C12-S1-HR3-Y-P6	11W	300	37	4000K	1570	141	80	120°
EMC-7070D90W-B2C12-S1-HR5-Y-P6	6W	165	36	4000K	860	145	90	120°
EMC-7070DV66W-B2C14-S1-HR5-Y2-P6	11W	45	245	4000K	1350	122	90	120°
EMC-7070DV66W-B2C15-S1-HR5-Y2-P6	12W	45	265	4000K	1550	130	90	120°



TOP高功率系列TOPHigh Power Series

- EMC封装高耐温，采用沉降工艺提升可靠性
 - 高亮度，光色优，色温覆盖2700-6500k
 - 可定制防硫化工艺产品，应对户外高防硫要求
 - 高可靠性，采用优质材料和先进的封装工艺
 - 应用于路灯、隧道灯、工矿灯、投光灯、射灯、轨道灯等户外及商业照明
-
- ◆ High temperature resistance of EMC package, settling process to improve reliability
 - ◆ High brightness, excellent light color, color temperature coverage of 2700-6500K
 - ◆ Customizable anti-sulfurization process products for outdoor high anti-sulfur requirements.
 - ◆ High reliability, using high-quality materials and advanced packaging technology.
 - ◆ Applied to outdoor and commercial lighting such as street lights, tunnel lights, industrial and mining lights, floodlights, spotlights, and track lights.

EMC 3030+LENS Series



Size:3.0*3.0*2.85mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
EMC-3030F35W-LVR5-SF-HR1-FC-YHP	0.3W	100	3	6500K	52	193	70	60°
EMC-3030F35YW1-LVR5-SF-FC-YHP	0.3W	100	3	3000K	50	190	/	60°

OUTDOOR LIGHTING SERIES
户外照明系列

EMC 3030 Series



Size:3.0*3.0*0.6mm

TYPE	Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
方杯 Square	EMC-3030D46W-2C-S1-HR1-F-P6	1W	150	6	4000K	155	172	70	120°
	EMC-3030D90W-2C-S1-HR1-F-P6	1W	150	6	4000K	165	185	70	120°
	EMC-3030D46W-B2C2-S1-HR1-F-P6	1W	150	6	4000K	165	185	70	120°
	EMC-3030F40W-B2C2-S1-HR3-F1-P6	1W	150	6	4000K	168	195	80	120°
	EMC-3030D46W-2C-S1-HR3-F-P6	1W	150	6	4000K	150	167	80	120°
	EMC-3030D90W-2C-S1-HR3-F-P6	1W	150	6	4000K	155	172	80	120°
	EMC-3030D90W-2-S1-HR3-F-P6	1W	350	3	4000K	175	167	80	120°
圆杯 Round	EMC-3030D46W-2C-S1-HR1-Y-P6	1W	150	6	4000K	155	172	70	120°
	EMC-3030D90W-2C-S1-HR1-Y-P6	1W	150	6	4000K	160	178	70	120°
	EMC-3030D46W-2C-S1-HR3-Y-P6	1W	150	6	4000K	150	167	80	120°
	EMC-3030D90W-2C-S1-HR3-Y-P6	1W	150	6	4000K	155	172	80	120°
	EMC-3030D46W-2-S1-HR3-Y-P6	1W	350	3	4000K	165	157	80	120°
	EMC-3030D90W-2C-S1-HR5-Y-P6	1W	150	6	4000K	140	156	90	120°

EMC 5050 Series

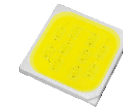


Size:5.0*5.0*0.7mm

TYPE	Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
方杯 Square	EMC-5050F40W-B4C2-S1-HR1-F-P6	5W	750	6.6	4000K	900	182	70	120°
	EMC-5050D90W-B4C2-S1-HR1-F-P6	5W	750	6.5	4000K	870	178	70	120°
	EMC-5050F40W-B1C8-S1-HR1-F-P6	5W	200	25.5	4000K	930	182	70	120°
	EMC-5050D90W-B1C8-S1-HR1-F-P6	5W	200	25.5	4000K	920	180	70	120°
	EMC-5050D68W-B1C8-S1-HR1-F-P6	4W	150	25.5	4000K	650	170	70	120°
	EMC-5050F40W-B2C6-S1-HR3-F-P6	4W	240	17.9	4000K	840	196	80	120°
	EMC-5050D90W-B4C2-S1-HR3-F-P6	5W	750	6.5	4000K	800	164	80	120°
圆杯 Round	EMC-5050D90W-B1C10-S1-HR3-Y-P6	5W	150	31	4000K	810	174	80	120°
	EMC-5050D68W-B1C12-S1-HR5-Y-P6	4W	100	36	4000K	550	153	90	120°
	EMC-5050D46W-B1C12-S1-HR3-Y-P6	4.5W	120	37	4000K	730	164	80	120°
	EMC-5050D46W-B3C3-S1-HR3-Y-P6	2W	250	9	4000K	440	196	80	120°
	EMC-5050D90W-B1C8-S1-HR3-Y-P6	5W	200	25	4000K	780	156	80	120°

OUTDOOR LIGHTING SERIES
户外照明系列

PMC 5050 Series

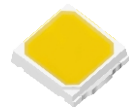


Size:5.0*5.0*0.68mm

- 全新开发的PMC系列产品，高光效输出
 - 不同功率版本，满足不同应用的需求
 - 光色优，色温覆盖2700-6500k
 - 可定制防硫化工艺产品，应对户外高防硫要求
 - 高可靠性，采用优质材料和先进的封装工艺
 - 应用于路灯、隧道灯、工矿灯、投光灯、射灯、轨道灯等户外及商业照明
- ◆ The newly developed PMC series products, with high luminous efficiency output.
 - ◆ Different power versions to meet the needs of different applications.
 - ◆ Excellent light color, color temperature coverage of 2700-6500K
 - ◆ Customizable anti-sulfurization process products for outdoor high anti-sulfur requirements.
 - ◆ High reliability, using high-quality materials and advanced packaging technology.
 - ◆ Applied to outdoor and commercial lighting such as street lights, tunnel lights, industrial and mining lights, floodlights, spotlights, and track lights.

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
PMC-5050F39W-B1C10-S1-HR1-FN-P6	1.5W	50	28	4000K	305	218	70	120°
PMC-5050D90W-B1C8-S1-HR1-FN-P6	2.3W	100	23	5000K	436	190	70	120°
PMC-5050D90W-B6C2-S1-HR3-FN-P6-SPHO	1W	180	5.5	5000K	205	210	80	120°

PCT 3030系列



Size:3.2*3.0*0.63mm

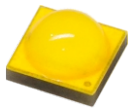
- 全新开发的PCT方杯系列产品，高光效输出
 - 不同功率版本，满足不同应用的需求
 - 光色优，色温覆盖2700-6500k
 - 可定制防硫化工艺产品，应对户外高防硫要求
 - 高可靠性，采用优质材料和先进的封装工艺
 - 应用于路灯、隧道灯、工矿灯、投光灯、射灯、轨道灯等户外及商业照明
- ◆ The newly developed PCT square series products, with high luminous efficiency output.
 - ◆ Different power versions to meet the needs of different applications.
 - ◆ Excellent light color, color temperature coverage of 2700-6500K
 - ◆ Customizable anti-sulfurization process products for outdoor high anti-sulfur requirements.
 - ◆ High reliability, using high-quality materials and advanced packaging technology.
 - ◆ Applied to outdoor and commercial lighting such as street lights, tunnel lights, industrial and mining lights, floodlights, spotlights, and track lights.

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
AS-3030D90W-B2C2-S1-08L-PCT-HR1-K0-F	1W	150	6	4000K	179	209	70	120°
AS-3030D90W-B2C2-S1-08L-PCT-HR3-K0-F	1W	125	6	4000K	175	205	70	120°
AS-3030F40W-2C-S1-08L-PCT-HR1-K0-F	1W	150	6	4000K	175	196	70	120°

陶瓷系列Ceramics Series

- 高功率，出光效率高，1-5W通用
 - 出货色容差，3阶，5阶及区块分光
 - 高可靠性，陶瓷基板和热电分离设计
 - 贴膜工艺，光色一致性更好
 - 低热阻，倒装无金线封装，缩短了导热路径，热阻更低
 - 设计灵活，尺寸小，矩阵排布有效降低灯具和系统成本
 - 应用于路灯、隧道灯、工矿灯、投光灯等户外照明
- ◆ High power, high luminous efficiency, universal 1-3W.
 - ◆ Color tolerance of 3 step and 5 step, good consistency of light color
 - ◆ High reliability, ceramic substrate and thermoelectric separation design
 - ◆ The film-applying process provides better consistency in color and light.
 - ◆ Featuring low thermal resistance, the gold wire-free flip-chip packaging shortens the thermal conduction path, resulting in even lower thermal resistance.
 - ◆ Flexible design, compact size, and matrix arrangement effectively reduce lighting fixture and system costs.
 - ◆ Applied to outdoor lighting such as street lights, tunnel lights, high bay lights, flood lights, etc

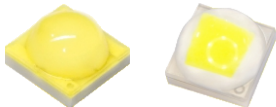
Ceramics C2525 Series



Size:2.45*2.45*1.85mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
C2525F82W3EA(Ra1)-FC	2W	700	3	4000K	250	119	67	120°
C2525F35W3EA(Ra1)-FC	2W	700	3	4000K	270	129	67	120°

Ceramics C3535 Series



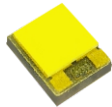
Size:3.45*3.45*2.3mm

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
C3535F77W1KA(Ra1)-FC	1W	350	3	4000K	165	160	70	120°
C3535K9W1KA(Ra1)-FC	1W	350	3	4000K	175	175	70	120°
C3535K9W3PA(Ra1)-FC-F	3W	700	3	4000K	350	167	70	120°
C3535K9W3PA(Ra2)-FC-F	3W	700	3	4000K	330	157	80	120°
C3535P15W3HB(Ra1)-FC-LVR2-F	3W	700	3	4000K	380	195	70	120°
C3535P15W3HB(Ra2)-FC-LVR2-F	3W	700	3	4000K	345	176	80	120°



汽车照明系列Automotive lighting Series

Ceramics C2017 Series



Size:2.0*1.6*0.68mm

- 高功率，出光效率高，1-3W通用
 - 高可靠性，高导热陶瓷基板设计
 - 低热阻，倒装无金线封装，缩短了导热路径，热阻更低
 - 设计灵活，尺寸小，矩阵排布有效降低灯具和系统成本
 - 应用于前大灯、日间行车灯等
- ◆ High power, high luminous efficiency, universal 1-3W.
 - ◆ High reliability, high thermal conductivity ceramic substrate design
 - ◆ Featuring low thermal resistance, the gold wire-free flip-chip packaging shortens the thermal conduction path, resulting in even lower thermal resistance.
 - ◆ Featuring flexible design, compact size, and matrix arrangement to effectively reduce luminaire and system costs.
 - ◆ Applied to headlights, daytime running lights, etc

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	CRI-min	Viewing angle
C2017K9W3CB(Ra1)-FC-LVR-CZ	3W	1000	3	4000K	365	70	120°
C2017K19W3CB(RA1)-FC-LVR-CZ	3W	1000	3	5700K	330	70	120°

Ceramics C2525 Series



Size:2.45*2.45*1.85mm

- 高功率，出光效率高，1-3W通用
 - 高可靠性，高导热陶瓷基板设计
 - 低热阻，倒装无金线封装，缩短了导热路径，热阻更低
 - 设计灵活，尺寸小，矩阵排布有效降低灯具和系统成本
 - 应用于日间行车灯、转向灯等
- ◆ High power, high luminous efficiency, universal 1-3W.
 - ◆ High reliability, high thermal conductivity ceramic substrate design
 - ◆ Featuring low thermal resistance, the gold wire-free flip-chip packaging shortens the thermal conduction path, resulting in even lower thermal resistance.
 - ◆ Featuring flexible design, compact size, and matrix arrangement to effectively reduce luminaire and system costs
 - ◆ Applied to daytime running lights, turn signals, etc.

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	CRI-min	Viewing angle
C2525F71W1EA(Ra1)-FC-CZ	1W	350	3	5000K	135	67	120°
C2525F82W3EA(RA1)-FC-CZ	1W	350	3	5000K	150	67	120°

Ceramics C7035 Series

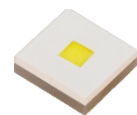


Size:6.9*3.35*0.7mm

- 高功率，出光效率高，18-23W通用
 - 高可靠性，高导热陶瓷基板设计
 - 低热阻，倒装无金线封装，缩短了导热路径，热阻更低
 - 应用于前大灯等
- ◆ High power, high luminous efficiency, universal 18-23W.
 - ◆ High reliability, high thermal conductivity ceramic substrate design
 - ◆ Featuring low thermal resistance, the gold wire-free flip-chip packaging shortens the thermal conduction path, resulting in even lower thermal resistance.
 - ◆ Applied to headlights, etc

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	CRI-min	Viewing angle
C7035K9W18QB-2B3C(Ra1)-FC-CZ	18W	2000	9	5000K	2300	68	120°

Ceramics C3535-P Series

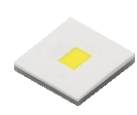


Size:3.45*3.45*0.88mm

- 高功率，出光效率高，3-5W通用
 - 单位面积发光强度高，远程照射
 - 高可靠性，高导热陶瓷基板设计
 - 低热阻，倒装无金线封装，缩短了导热路径，热阻更低
 - 应用于强光手电筒、探照灯、车灯等
- ◆ High power, high luminous efficiency, universal 3-5W.
 - ◆ High luminous intensity per unit area, remote illumination
 - ◆ High reliability, high thermal conductivity ceramic substrate design
 - ◆ Featuring low thermal resistance, the gold wire-free flip-chip packaging shortens the thermal conduction path, resulting in even lower thermal resistance.
 - ◆ Applied to strong flashlights, searchlights, car lights, etc.

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	CRI-min	Viewing angle
C3535F66W5PB(Ra1)-L	6W	2000	3	5700	540	66	120°

Ceramics C5050-P Series



Size:5.0*5.0*0.81mm

- 高功率，出光效率高，5-10W通用
 - 单位面积发光强度高，远程照射
 - 高可靠性，高导热陶瓷基板设计
 - 低热阻，倒装无金线封装，缩短了导热路径，热阻更低
 - 应用于强光手电筒、探照灯、车灯等
- ◆ High power, high luminous efficiency, universal 5-10W.
 - ◆ High luminous intensity per unit area, remote illumination
 - ◆ High reliability, high thermal conductivity ceramic substrate design
 - ◆ Featuring low thermal resistance, the gold wire-free flip-chip packaging shortens the thermal conduction path, resulting in even lower thermal resistance.
 - ◆ Applied to strong flashlights, searchlights, car lights, etc.

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	CRI-min	Viewing angle
C5050K38W10PB(Ra1)-L	6W	2000	3	5700	625	66	120°



植物照明系列Horticultural lighting Series

Ceramics C3535 Series



Size:3.45*3.45*2.15mm

- 高功率-高效率、高PPF，1-3W通用
- 高可靠性，陶瓷基板和热电分离设计
- 植物灯全面升级，增加反射层涂层系列
- 全系列产品通过Q90认证, 寿命高达 Q90 > 53000 小时
- 自主研发植物照明光谱合成软件，全波段-可实现不同波长配比定制方案

- ◆ High power – high efficiency, high PPF, 1-3W universal
- ◆ High reliability, ceramic substrate and thermoelectric separation design
- ◆ Plant lights have been comprehensively upgraded, with the addition of a reflective layer coating series.
- ◆ The entire product series is Q90 certified, with a lifespan exceeding 53,000 hours (Q90 >53,000 hours).
- ◆ Self-developed plant lighting spectrum synthesis software with full-band coverage, enabling customizable solutions with varying wavelength ratios.

Part Number	Colour	IF(mA)	VF(V)	WL(nm)	Φe(mW)	PPE (μmol/J)	PPF (μmol/s)	Viewing angle
C3535F9V395-D1-LVR9(Au120)	UV	700	3.5	390-400	1350	2.7	1.11	120°
C3535F10V405-D1-LVR9(Au120)	UV	1000	3.5	400-410	1700	2.5	2.24	120°
C3535K9B3GA-FC-LVR2-ZW-F	B	700	3.2	445-460	1600	2.9	5.9	120°
C3535K5G3GA-LVR5-ZW	G	700	3.2	495-510	450	0.9	2	120°
C3535K2G3GA-LVR2-ZW	G	700	3.4	520-530	400	0.75	1.6	120°
C3535K4R3GA-LVR2-ZW	R	700	2.4	618-628	750	2.7	4.4	120°
C3535F15R1GA-LVR2-ZW-F	R	700	2.1	655-665	1140	4.2	6.1	120°
C3535K15R3GA-LVR2-ZW-F	R	700	2	655-665	1170	4.55	6.3	120°
C3535F4IR3GA-LVR2-ZW-F	IR	700	2	725-745	850	0.2	0.3	120°

SMD 2835 Series

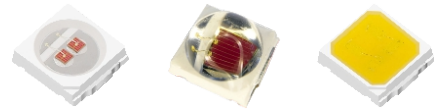


Size:3.5*2.8*0.7mm

- 高功率-高效率、高PPF，0.2-1W通用
 - 高可靠性，采用优质材料和先进的封装工艺
 - 全系列产品通过Q90认证, 寿命高达 Q90 > 53000 小时
 - 自主研发植物照明光谱合成软件，全波段-可实现不同波长配比定制方案
- ◆ High power – high efficiency, high PPF, 0.2-1W universal
 - ◆ High reliability, using high-quality materials and advanced packaging technology.
 - ◆ The entire product series is Q90 certified, with a lifespan exceeding 53,000 hours (Q90 >53,000 hours).
 - ◆ Self-developed plant lighting spectrum synthesis software with full-band coverage, enabling customizable solutions with varying wavelength ratios.

Part Number	Colour	IF(mA)	VF(V)	WL(nm)	Φe(mW)	PPE (μmol/J)	PPF (μmol/s)	Viewing angle
A-2835H421BC-S1-08-PCT-ZW-P6	B	60	3	440-460	105	2.3	0.4	120°
A-2835S50FC-S1-08-PCT-ZW-P6	R	60	2	650-670	62	2.44	0.34	120°
AS-2835D1IRC-L1-S1-08-PCT-ZW-P6	IR	150	2.2	725-735	140	0.2	0.07	120°
AS-2835D15FC-S1-08-PCT-ZW-P6	R	150	2	650-665	155	2.5	0.8	120°
AS-2835D46BC-S1-08-PCT-ZW-P6	B	150	3	440-460	235	1.85	0.85	120°
AS-2835D90BC-2-S1-08L-PCT-ZW-P6	B	150	2.8	445-455	320	2.75	1.18	120°
AS-2835D46W-2-S1-08L-PCT-HR3-ZW-P6	W	150	2.8	4000K	80lm	2.54	1.08	120°
AS-2835D90W-2-S1-08-PCT-HR3-ZW-P6	W	65	2.8	4000K	38lm	2.9	0.51	120°

SMD 3030 Series



- 高功率-高效率、高PPF，0.2-1W通用
 - 高可靠性，采用优质材料和先进的封装工艺
 - 全系列产品通过Q90认证, 寿命高达 Q90 > 53000 小时
 - 自主研发植物照明光谱合成软件，全波段-可实现不同波长配比定制方案
- ◆ High power – high efficiency, high PPF, 0.2-1W universal
 - ◆ High reliability, using high-quality materials and advanced packaging technology.
 - ◆ The entire product series is Q90 certified, with a lifespan exceeding 53,000 hours (Q90 >53,000 hours).
 - ◆ Self-developed plant lighting spectrum synthesis software with full-band coverage, enabling customizable solutions with varying wavelength ratios.

Part Number	Dimensions (mm)	Colour	IF(mA)	VF(V)	WL(nm)	Φe(mW)	PPE (μmol/J)	PPF (μmol/s)	Viewing angle
A-3030D1IRC-L1-2-S1-08-PCT-ZW-P6	3.5*3.0*0.67	IR	300	2.2	725-735	220	0.17	0.11	120°
AS-3030F15FC-SE-08-PCT-ZW	3.2*3.0*1.7	R	350	2.2	655-665	500	3.7	2.8	120°
AS-3030F35W-S1-PCT-HR3-K0-F-ZW	3.3*3.0*0.75	W	65	2.8	5000K	40lm	3.1	0.54	120°
AS-3030F40W-2-S1-08L-PCT-HR1-F-P6-ZW	3.2*3.0*0.62	W	65	2.8	5000K	42lm	3.2	0.56	120°



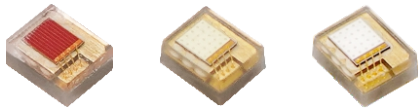
Color lighting Series
彩光照明系列

Color lighting Series
彩光照明系列

陶瓷系列Ceramics Series

- 高功率，出光效率高，1-5W通用
 - 低热阻，耐高电流驱动
 - 颜色丰富，可满足不同应用需求
 - 高可靠性，高导热陶瓷基板设计
 - 设计灵活，尺寸小，矩阵排布有效降低灯具和系统成本
 - 应用于氛围灯、洗墙灯、投光灯等景观照明
- ◆ High power, high luminous efficiency, universal 1-5W.
 - ◆ Low thermal resistance, capable of withstanding high current drive
 - ◆ Rich colors to meet different application needs
 - ◆ High reliability, high thermal conductivity ceramic substrate design
 - ◆ Featuring flexible design, compact size, and matrix arrangement to effectively reduce luminaire and system costs.
 - ◆ Applied to landscape lighting such as atmosphere lights, wall washers, and flood lights

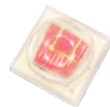
Ceramics C2016 Series



Size:2.0*1.6*0.9mm

Part Number	Colour	IF(mA)	VF(V)	WL(nm)	Φ(lm)	Viewing angle
C2016F18R3MB	R	700	2.2	618-628	100	120°
C2016F7G3MB	G	700	3	525-535	170	120°
C2016F67B3MB	B	700	3	450-460	25	120°

Ceramics C2525 Series



Size:2.45*2.45*1.85mm

Part Number	Colour	IF(mA)	VF(V)	WL(nm)	Φ(lm)	Viewing angle
C2525K4R3EA	R	700	2.4	618-628	140	120°
C2525K2G3EA	G	700	3.2	520-530	190	120°
C2525K8B3EA	B	700	3.3	465-475	75	120°

Ceramics C3535 Series

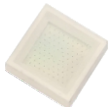


Size:3.45*3.45*2.15mm

Part Number	Colour	IF(mA)	VF(V)	WL(nm)	Φ(lm)	Viewing angle
C3535K4R3GA	R	700	2.2	618-628	150	120°
C3535K2G3GA	G	700	3.4	520-530	200	120°
C3535K4B3GA	B	700	3.4	460-470	50	120°
C3535K5Y3GA	Y	700	2.5	590-596	110	120°
C3535K5R3GA	R	700	2	617-627	190	120°

CSP系列CSP Series

Ceramics CSP1313 Series



Size:1.3*1.3*0.3mm

- 超小尺寸，高密度集成：CSP直接封装在芯片表面，体积接近裸芯片，可实现高密度排列应用
 - 优异的热管理性能：无传统封装的中间介质，热量直接从芯片传递到基板或散热器，热阻更低
 - 光提取效率高：无支架遮挡，减少光损失，发光角度更广(可达160°以上)，出光均匀性更好
 - 高可靠性与稳定性：无金线和脆弱支架，抗震能力更强，封装材料与芯片紧密结合，耐高温、高湿
 - 设计灵活性与成本潜力：超薄、可弯曲的封装形式支持异形灯具设计，材料成本降低，尤其在大规模量产时更具成本优势
 - 应用于氛围灯、车灯、灯带、柔性屏等
- ◆ Ultra-small size and high-density integration: CSP (Chip Scale Package) is directly mounted on the chip surface, with dimensions approaching those of a bare die, enabling high-density array applications.
 - ◆ Excellent thermal management performance: Without the intermediate medium of traditional packaging, heat is directly transferred from the chip to the substrate or heatsink, achieving lower thermal resistance.
 - ◆ High light extraction efficiency: The bracket-free design eliminates light obstruction, minimizes optical losses, delivers a wider beam angle (exceeding 160°), and ensures superior light output uniformity.
 - ◆ High Reliability and Stability: Eliminating gold wires and fragile brackets for enhanced shock resistance, with packaging material tightly integrated with the chip to withstand high temperatures and humidity.
 - ◆ Design Flexibility and Cost Potential: Ultra-thin, bendable packaging formats support unconventional lighting design, reduce material costs, and offer greater cost advantages especially in large-scale mass production.
 - ◆ Applied to Ambient Lighting, Automotive Lighting, LED Strips, and Flexible Displays.

Part Number	Colour	IF(mA)	VF(V)	CCT/WL(nm)	Φ(lm)	CRI- min	Viewing angle
CSP1313A1W-03-B-90	W	350	3.0	5000K	95	90	120°
CSP1313A1R-03-B	R	350	3.0	607	35	66	120°
CSP1313A1L-03-B	G	350	3.0	570	159	58	120°
CSP1313A1B-03-B	B	350	3.0	487	127	65	120°



TV背光系列 TV backlight Series

Edge-lit backlight Series



- 侧入式背光LED无需透镜，可降低模组厚度，实现更薄的机身设计
 - LED灯珠安装在显示屏的侧面，数量更少，可进一步降低成本
 - 色点丰富，提供高色域、普通色域、低蓝光方案
 - 体积小，设计灵活，适用于多种显示产品设计
 - 高可靠性，采用优质材料和先进的封装工艺
 - 应用于TV，电脑、显示器，车载背光、VR等
- ◆ Edge-lit backlight LEDs eliminate the need for lenses, reducing module thickness and enabling thinner body designs
- ◆ LEDs are mounted on the side of the display and are used in smaller quantities, further reducing costs
- ◆ Rich color points, providing high color gamut, normal color gamut, and low blue light schemes
- ◆ Compact size, flexible design, suitable for a variety of display product designs
- ◆ High reliability, using high-quality materials and advanced packaging technology.
- ◆ Applied to TV, displays, automotive backlighting, VR, etc.

Part Number	Dimensions (mm)	IF(mA)	VF(V)	Color gamut	Φ(lm)	Viewing angle
A-4012D46W-S1-PCT	4.0*1.2*0.6	60	2.8-3.3	Normal	22-28	120°
A-4014D46W-S1-PCT	4.0*1.45*0.7	60	2.8-3.3	High NTSC	23-30	120°
A-EMC4014D46W-2C-S1	4.0*1.4*0.6	120	5.8-6.8	High NTSC	70-90	120°
A-7020D49W-S1-PCT	7.2*2.0*0.7	150	2.8-3.3	Normal	46-54	120°
A-7020D49W-2C-S1-PCT	7.2*2.0*0.7	150	5.8-6.8	Normal	98-120	120°

Direct-lit backlight Series



- 直下式背光LED光线通过底面和侧面反射，能提供更好的色彩和亮度均匀性
 - 色点丰富，提供高色域、普通色域、低蓝光方案
 - 体积小，设计灵活，适用于多种显示产品设计
 - 高可靠性，采用优质材料和先进的封装工艺
 - 应用于TV，电脑、显示器，车载背光、VR等
- ◆ Direct-lit backlight LEDs light is reflected through the bottom and sides to provide better color and brightness uniformity
 - ◆ Rich color points, providing high color gamut, normal color gamut, and low blue light schemes
 - ◆ Compact size, flexible design, suitable for a variety of display product designs
 - ◆ High reliability, using high-quality materials and advanced packaging technology.
 - ◆ Applied to TV, displays, automotive backlighting, VR, etc.

Part Number	Colour	IF(mA)	VF(V)	Color gamut	Φ(lm)	Viewing angle
A-3528D49W-S1-08L-PCT	3.5*2.8*0.8	60	2.8-3.3	Normal	22-30	120°
A-EMC3030D90W-2P-S1	3.0*3.0*0.6	600	2.9-3.4	High NTSC	210-240	120°
A-EMC3030D90W-2C-S1	3.0*3.0*0.6	300	5.8-6.8	High NTSC	210-240	120°



家电显示类
Home appliance display



电梯按钮类
Elevator buttons

TOP系列TOP Series

- 多种颜色可选
 - 体积小，可满足灵活多变的设计
 - 分BIN坐标间隔小，可保颜色高一致性；
 - ESD全测2000V芯片封装，防静电能力强；
 - 高可靠性，采用优质材料和先进的封装工艺
 - 知名企业合格供应商
 - 应用于背光显示、按键指示灯等
- ◆ Multiple color options available
 - ◆ Compact size, enabling flexible and versatile designs
 - ◆ Tight binning coordinate intervals ensure superior color consistency
 - ◆ Full ESD protection up to 2000V at chip-level packaging
 - ◆ High reliability, utilizing premium materials and advanced packaging technology
 - ◆ Certified supplier for well-known enterprises
 - ◆ Apply to backlit display, key indicator, etc

TOP 1608 Series



Size:1.66*0.84*0.6mm

Part Number	Colour	IF(mA)	VF(V)	XY/WD(nm)	IV(mcd)	Viewing angle
AG-1608H508W-S1-06-HR1	W	5	2.8	0.2955,0.3155	700	120°
AG-1608S8FC-S1-06	R	20	2.0	617-627	550	120°

TOP 1808 Series



Size:1.8*0.8*0.5mm

Part Number	Colour	IF(mA)	VF(V)	XY/WD(nm)	IV(mcd)	Viewing angle
AG-1808H343W-S1-06-HR1	W	20	3.0	0.276/0.282	2100	120°

CHIP系列CHIP Series

- 多种颜色可选
 - 体积小，可满足灵活多变的设计
 - 分BIN坐标间隔小，可保颜色高一致性；
 - ESD全测2000V芯片封装，防静电能力强；
 - 高可靠性，采用优质材料和先进的封装工艺
 - 知名企业合格供应商
 - 应用于背光显示、按键指示灯等
- ◆ Multiple color options available
 - ◆ Compact size, enabling flexible and versatile designs
 - ◆ Tight binning coordinate intervals ensure superior color consistency
 - ◆ Full ESD protection up to 2000V at chip-level packaging
 - ◆ High reliability, utilizing premium materials and advanced packaging technology
 - ◆ Certified supplier for well-known enterprises
 - ◆ Apply to backlit display, key indicator, etc

CHIP 1005 Series



Size:1.05*0.55*0.4mm

Part Number	Colour	IF(mA)	VF(V)	XY/WD(nm)	IV(mcd)	Viewing angle
PYT-1005H234W-04	W	5	2.7	0.246/0.243	350	120°
PYT-1005H204BC-04	B	5	2.7	464-474	70	120°
PYT-1005U52GC-04	G	5	2.6	524-530	350	120°
PYT-1005S11FC-04	R	5	1.9	617-627	40	120°
PYT-1005S9AC-04	R	5	1.9	627-637	40	120°
PYT-1005S12GC-04	YG	5	1.9	566-574	15	120°
PYT-1005S26YC-04	Y	5	1.9	586-595	50	120°

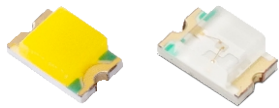
CHIP 1608 Series



Size:1.6*0.8*0.68mm

Part Number	Colour	IF(mA)	VF(V)	XY/WD(nm)	IV(mcd)	Viewing angle
PSC-1608H343W	W	10	2.9	0.3045/0.308	950	120°
PSC-1608H203BC	B	10	2.9	464-474	145	120°
PSC-1608U51GC	G	10	2.8	517-527	850	120°
PSC-1608S11GC	G	10	2	568-578	35	120°
PSC-1608S31YC	Y	10	2	586-596	145	120°
PSC-1608S22OC	O	10	2	600-610	120	120°
PSC-1608S9FC	R	10	2	617-627	160	120°

CHIP 2012 Series



Size:2.0*1.25*0.68mm

Part Number	Colour	IF(mA)	VF(V)	XY/WD(nm)	IV(mcd)	Viewing angle
PSC-2012H343W-N	W	20	3.1	0.2846/0.2987	2200	120°
PSC-2012H203BC-N	B	5	2.8	464-474	100	120°
PSC-2012U51GC-N	G	10	2.9	517-527	850	120°
PSC-2012S11GC-N	G	20	2	568-578	70	120°
PSC-2012S31YC-N	Y	10	2	586-596	150	120°
PSC-2012S22OC-N	O	10	2	600-610	150	120°
PSC-2012S9FC-N	R	20	2	617-627	350	120°

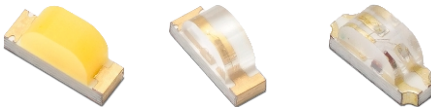
CHIP 3216 Series



Size:3.2*1.6*0.68mm

Part Number	Colour	IF(mA)	VF(V)	XY/WD(nm)	IV(mcd)	Viewing angle
PC-3216H343W-N	W	20	3.1	0.2745/0.2539	1900	120°
PC-3216H203BC-N	B	10	2.9	464-474	160	120°
PC-3216U51GC-N	G	20	3.0	517-527	1400	120°
PC-3216S11GC-N	G	20	2.0	568-578	70	120°
PC-3216S31YC-N	Y	20	2.0	586-596	290	120°
PC-3216S22OC-N	O	20	2.0	600-610	220	120°
PC-3216S39FC-N	R	20	2.0	617-627	280	120°
PCF-3216S39FU70GH203BC-AS	B	20	3.1	464-474	220	120°
	G	20	3.0	515-525	1400	
	R	20	2.0	617-627	300	

CHIP 3010 Series



Size:3.0*1.0*1.45mm

Part Number	Colour	IF(mA)	VF(V)	XY/WD(nm)	IV(mcd)	Viewing angle
PETA-3010H343WY-N	W	20	3.1	0.577/0.414	750	120°
PETA-3010H203BC	B	20	3.1	464-474	220	120°
PETA-3010U51GC	G	20	3.0	515-525	950	120°
PETA-3010S11GC	G	20	2.0	568-578	70	120°
PETA-3010S31YC	Y	20	2.0	586-596	220	120°
PETA-3010S22OC	O	20	2.0	600-610	220	120°
PETA-3010S9AC	R	20	2.0	617-627	130	120°
PCEFA-3010S39FU70GH203BC-AS	B	20	3.1	464-474	250	120°
	G	20	3.0	515-525	1400	
	R	20	2.0	617-627	300	

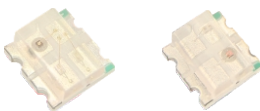
CHIP 1615 Series



Size:1.6*1.5*0.68mm

Part Number	Colour	IF(mA)	VF(V)	XY/WD(nm)	IV(mcd)	Viewing angle
PCF-1615S8FU50GH202BC-AS	B	20	3.1	464-474	270	120°
	G	20	3.0	515-525	1300	
	R	20	2.0	617-627	850	
PCB-1615S9FH203BC-S	B	20	3.1	464-474	220	120°
	R	20	2.0	617-627	300	
PCB-1615S9FU51GC-S	G	20	3.0	515-525	1300	120°
	R	20	2.0	617-627	280	

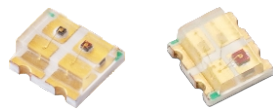
经济型CHIP 1617 Series



Size:1.6*1.7*0.68mm

Part Number	Colour	IF(mA)	VF(V)	XY/WD(nm)	IV(mcd)	Viewing angle
PYCF-1617S52FU49GH204BC-G4-AS	R	20	2	617-627	140	120°
	G	20	3	515-525	1000	
	B	20	3	464-474	210	
PYCB-1617S52FU49GC-G4-S	R	20	2	617-627	140	120°
	G	20	3	515-525	1000	
PYCB-1617S52FH204BC-G4-S	R	20	2	617-627	140	120°
	B	20	3	464-474	210	

CHIP 1617 Series



Size:1.6*1.7*0.68mm

Part Number	Colour	IF(mA)	VF(V)	XY/WD(nm)	IV(mcd)	Viewing angle
PCF-1617S39FU70GH203BC-AS-N	B	5	2.7	464-474	70	120°
	G	5	2.6	515-525	460	
	R	5	1.8	617-627	120	
PCB-1617S9FH203BC-S-N	B	20	3.1	464-474	220	120°
	R	20	2.0	617-627	300	
PCB-1617S9FU51GC-S-N	G	20	3.0	515-525	1300	120°
	R	20	2.0	617-627	280	

摄影灯系列Photographic light Series

SMD TOP Series

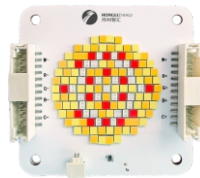


Size:3.5*2.74*0.65mm

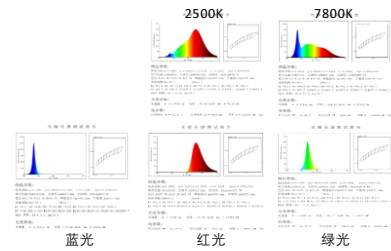
- 具备高亮度特性，可模拟自然光效果，满足专业拍摄中对聚光与均匀照明的需求。
 - 显色指数达CRI≥95、TLCI≥98，可精准还原拍摄对象的真实色彩，避免画面偏色
 - 平板摄影补光灯，可用于直播间，短视频拍摄，人像，静物摄影，人物采访等场景补光灯。
- ◆ High brightness characteristics, it can simulate natural light effects, meet the needs of concentrated light and uniform lighting in professional shooting.
 - ◆ The color rendering index reaches CRI≥95 and TLCI≥98, which can accurately restore the true color of the subject and avoid color casting of the picture.
 - ◆ Flat photography fill light, which can be used for scene fill light lights such as live broadcast room, short video shooting, portrait, still life photography, character interviews, etc.

Part Number	Power	IF(mA)	VF(V)	CCT	Φ(lm)	Efficacy (lm/w)	CRI-min	Viewing angle
A-2835D4W-S1-08L-PCT-HR6-ATS	0.3W	100	2.9-3.1	2450-2650	35	116	96	120°
A-2835D4W-S1-08L-PCT-HR6-ATS	0.3W	100	2.9-3.1	7300-8000	39	130	95	120°
A-3528D4W-S1-08L-PCT-HR6-R1-ATS	0.3W	100	2.9-3.1	2450-2650	35	116	96	120°
A-3528D90W-S1-08L-PCT-HR6-R1-ATS	0.3W	100	2.9-3.1	7100-7800	43	143	95	120°

Module Series



Size:55*53*2.8mm



- 红光，绿光，蓝光，正白，暖白 5路灯珠支持单色独立控制或混合输出，可精准调配出数百万种颜色组合，满足创意光影需求
- 显色指数达 $CRI \geq 95$ 、 $TLCI \geq 95$ ，满足聚光摄影灯，照明，人像，静物摄影需求
- 功率范围60W-300W，依据客户需求进行定制设计
- ◆ Red light, green light, blue light, positive white, warm white, support monochrome independent control or mixed output, can accurately match millions of color combinations to meet creative light and shadow needs
- ◆ The color rendering index reaches $CRI \geq 95$, $TLCI \geq 95$, meets the needs of spotlight photography, lighting, portrait, and still life photography
- ◆ Power range 60W-300W, customized design according to customer needs

Part Number	Colour	Power	IF(mA)	CCT&WL(nm)	Φ (lm)	CRI-min	Viewing angle
CLT5534F82BF9GF80B- RGBWW-9C15-MD	WW	270W	5100	2500K $\pm$ 100K	20000	96	120°
	CW	270W	5100	7800K $\pm$ 300K	27000	92.5	
	R	106W	1800	617-623	2060	/	
	G	56W	1000	523-528	5150	/	
	B	56W	1000	450-455	910	/	

医美系列Medical Aesthetic Series

Ceramics C3535 Series



Size:3.45*3.45*2.15mm

- 采用双色灯珠封装方式，灯珠搭配方式包含红光+黄光，红光+红外。
- 低热阻，耐高电流驱动
- 高可靠性，高导热陶瓷基板设计
- 设计灵活，尺寸小，矩阵排布有效降低灯具和系统成本
- 应用于美容面罩灯等医美照明等
- ◆ Adopt two-color lamp bead encapsulation, lamp bead matching mode includes red light + yellow light, red light + infrared.
- ◆ Low thermal resistance, resistant to high current drive
- ◆ High reliability, high thermal conductivity ceramic substrate design
- ◆ Flexible design, small size, matrix arrangement effectively reduce the cost of lamps and systems
- ◆ Applied to beauty mask lights, medical aesthetics lighting, etc.

Part Number	Power	IF(mA)	VF(V)	WL(nm)	Φ_e (mW)/ Φ_e (lm)	Viewing angle
C3535F12RD3Y1GA-B2C1	1W	400	2.2	625	60lm	120°
		200	2.2	593	25lm	120°
C3535F15RF2IR1GA-B2C1	1W	350	2.2	660	450mW	120°
				845	280mW	120°



Non-visible light Series
非可见光系列



Non-visible light Series
非可见光系列

非可见光系列Non-visible light Series

SMD 3030 UVA Series

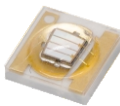


Size:3.2*3.0*0.6mm

- 高辐射通量
- 高耐热EMC封装
- 应用于产业用固化装置、验钞机、光触媒等
- ◆ High radiation flux
- ◆ High-temperature resistant EMC packaging
- ◆ Applied to industrial curing devices, banknote detectors, photocatalysts, etc.

Part Number	Power	IF(mA)	VF(V)	WL(nm)	Φe(mW)	Viewing angle
ES-3032S22V365-B2-S1	0.2W	60	3.5	365-370	45	120°
ES-3032S23V405-B2-S1	0.5W	150	3	400-410	200	120°

Ceramics C3535 UVA Series

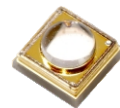


Size:3.45*3.45*2.0mm

- 高辐射通量
- 高可靠性，陶瓷基板热阻更低
- 高ESD保护
- 应用于产业用固化装置、验钞机、光触媒等
- ◆ High radiation flux
- ◆ High reliability, ceramic substrate has lower thermal resistance
- ◆ High ESD Protection
- ◆ Applied to industrial curing devices, banknote detectors, photocatalysts, etc.

Part Number	Power	IF(mA)	VF(V)	WL(nm)	Φe(mW)	Viewing angle
C3535F7V365-D1-LVR9(Au120)	1.8W	500	3.5	360-370	900	120°
C3535F8V385-D1-LVR9(Au120)	2.5W	700	3.5	380-390	1200	120°
C3535F9V395-D1-LVR9(Au120)	2.5W	700	3.5	390-400	1350	120°
C3535F10V405-D1-LVR9(Au120)	3.5W	1000	3.5	400-410	1700	120°

Ceramics G3535 UVA Series



Size:3.7*3.7*2.51mm

- CMH全无机封装
- 高辐射通量
- 高可靠性，陶瓷基板热阻更低
- 高ESD保护
- 应用于产业用固化装置、验钞机、光触媒等
- ◆ CMH Fully Inorganic Packaging
- ◆ High radiation flux
- ◆ High reliability, ceramic substrate has lower thermal resistance
- ◆ High ESD Protection
- ◆ Applied to industrial curing devices, banknote detectors, photocatalysts, etc.

Part Number	Power	IF(mA)	VF(V)	WL(nm)	Φe(mW)	Viewing angle
G3535F7V365-D1-LVR5(Au60)	1.8W	500	3.5	360-370	900	60°
G3535F8V385-D1-LVR5(Au60)	3.5W	1000	3.5	380-390	1400	60°
G3535F9V395-D1-LVR5(Au60)	3.5W	1000	3.5	390-400	1800	60°

Ceramics C3535 UVC Series



Size:3.4*3.4*1.54mm

- 高辐射通量
- 半无机石英玻璃封装
- 高导热率陶瓷UV封装结构
- 紫外线透射型平板镜片型
- 高ESD保护
- 用于杀菌、水处理、空气净化、表面消毒等环境领域
- ◆ High radiation flux
- ◆ Half-inorganic quartz glass packaging
- ◆ High Thermal Conductivity Ceramic UV Packaging Structure
- ◆ Ultraviolet Transmissive Flat Mirror Type
- ◆ High ESD Protection
- ◆ Applied to environmental fields such as sterilization, water treatment, air purification, and surface disinfection

Part Number	Power	IF(mA)	VF(V)	WL(nm)	Φe(mW)	Viewing angle
C3535S25V280-D1-LVR17-D	0.2W	40	6	270-280	6	120°
C3535D01V280-D1-LVR17-D	0.6W	100	6	270-280	20	120°
C3535D02V280-D1-LVR17-D	1.2W	200	6	270-280	25	120°

Ceramics C3535 IR Series



- 高辐射通量
- 820nm、850nm、940nm全系列波段
- 双结发射光功率提升160%
- 高可靠性，陶瓷基板热阻更低
- 应用于红外照明、监视系统、视觉系统等
- ◆ High radiation flux
- ◆ Full range of wavelengths: 820nm, 850nm, 940nm
- ◆ The dual-knot emission power is increased by 160%.
- ◆ High reliability, ceramic substrate has lower thermal resistance
- ◆ Applied to infrared lighting, surveillance systems, vision systems, etc.

Part Number	Dimensions (mm)	Power	IF(mA)	VF(V)	WL(nm)	Φe(mW)	Viewing angle
C3535F2IR3GA	3.45*3.45*2.15	1.4W	700	2	840-860	650	120°
C3535F6IR3GA	3.45*3.45*2.15	1.5W	700	2.2	935-945	700	120°
C3535F8IR3EA(Ag60)	3.45*3.45*2.85	2.3W	700	3.3	810-825	1200	60°
C3535F2IR3EA(Ag60)	3.45*3.45*2.85	1.4W	700	2	840-860	650	60°