



HONGLITRONIC

2020 | LED CATALOGUE

LED 封装产品目录

鸿利智汇集团股份有限公司
Hongli Zhihui Group Co.,Ltd.

地址：广州市花都区花东镇先科一路1号 电话：020-8673 3333

Address: No.1, Xianke 1st Road, Huadong Town, Huadu District, Guangzhou, China.

Tel: +86-20-86733333 ext 3033 Email: fair@honglitrionic.com

www.honglitrionic.com

广州 020-86733911 深圳 0755-29820666 福建 0592-5912521

浙江 0571-87684006 江苏 0512-69591982 四川 023-68915306



Website



WeChat



公司介绍 Company Introduction

HONGLIZHIHUI (SZ: 300219) was founded in 2004, the headquarters is located in Guangzhou, China. HONGLIZHIHUI is one of the largest high quality LED Packaging manufacturers in China, specialized in production and development of SMD LEDs, COB LEDs, High Power LEDs, Automotive LEDs, Mini LEDs, UV LEDs, Infrared LEDs etc. HONGLIZHIHUI's lab is CNAS (L7029) accredited, also recognized by US EPA, it currently has 4 LED package manufacturing plants in China, located in Guangzhou, Nanchang, Dongguan and Danyan city.

鸿利智汇(SZ: 300219)创立于2004年，总部位于中国广州，是国内白光LED封装器件的领导品牌。公司专注于研发和生产白光SMD LEDs, COB LEDs, High Power LEDs, Automotive LEDs, Mini LEDs, UV LEDs, Infrared LEDs等LED封装产品，拥有CNAS认可的“能源之星实验室”（获得美国EPA环保署授权），以及广州、南昌、东莞、丹阳等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、南非等40多个国家和地区。

 总部 Headquarters Guangzhou	 注册资金 Registered Capital RMB 710 million	 员工 Employees 4500+
 2018营收 2018Revenue RMB 4.03 billion	 生产基地 Manufacturing sites China (Guangzhou, Nanchang, Dongguan and Danyan city) 中国 (广州、南昌、东莞、丹阳)	

全球服务 Global Service



 Distributor 海外代理  国内直销: 广州 深圳 福建 浙江 江苏 四川

品质认证 Quality Certification

质量管理体系 Quality management system

 ISO9001	 IATF16949	 ISO14001
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能源之星实验室 CNAS (L7029) laboratory

	
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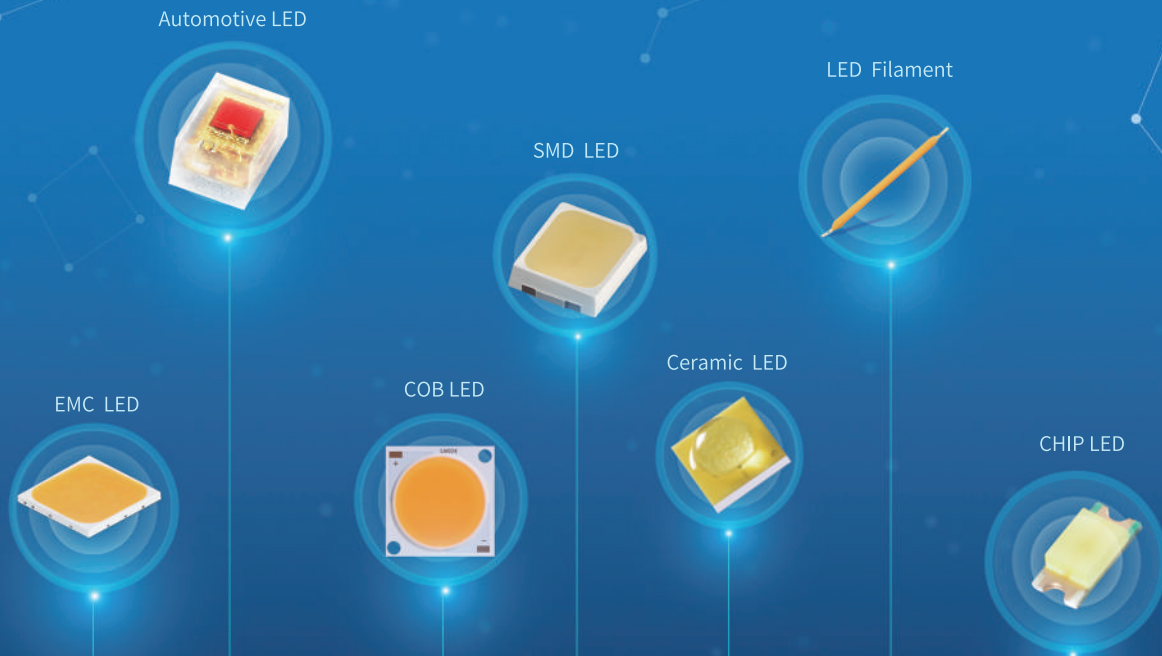


Our laboratory is CNAS (CNAS LAB CODE L7029) accredited, also recognized by US EPA for LED Packages/Arrays/Modules IES LM-80 testing and CIE 127-2007 standard testing.

鸿利智汇实验室是通过CNAS认可的“能源之星实验室”，并获得美国EPA（环保署）授权。其在LED封装/阵列/模组产品LM-80测试项目及LEDs的测量项目上，可帮助企业满足国际标准要求。

全球白光LED封装器件提供商

Global White LED Components Provider



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General Lighting

通用照明系列

High luminous efficacy · Good color rendering · Long lifetime

高光效 高显色 长寿命



2835-PCT



2.8x3.5x0.7mm

- Long life span, 9000H LM-80 certified LED;
- Apply both IEC and Ansi binning system, excellent color consistency
- Large product portfolio, including single dice LED、double dice LED、triple dice LED, it can meet the requirement of different linear solution for voltage from 3V to 45V
- 长寿命, 已通过LM-80 9000H测试报告;
- 接轨国际市场采用色容差分光, 光色一致性优;
- 产品全, 包含单晶、双晶、三晶, 电压从3V到45V均有匹配方案可满足不同线性方案的要求。



Product Model 型号	CCT(K) 色温	Φ(lm) Typ 光通量	Ra≥ 显指	VF(V) 正向电压		Rth J-S (°C/W) 热阻	IF(mA) 电流
				Min	Max		
AS-2835D3W-S1-08L-PCT-HR3(R9)	3000	57	80	2.8	3.4	35	150
	6500	60					
AS-2835D46W-S1-08-PCT-HR3(R9)	3000	64	80	2.8	3.4	25	150
	6500	68					
AS-2835D68W-2C-S1-08L-PCT-HR3(R9)	3000	120	80	5.6	6.6	15	150
	6500	130					
AS-2835D3W-2C-S1-08L-PCT-HR3(R9)	3000	110	80	5.6	6.6	25	150
	6500	115					
AS-2835H466W-2C-S1-08L-PCT-HR3(R9)	3000	107	80	5.6	6.6	35	150
	6500	112					
AS-2835D1W-3C-S1-08L-PCT-HR3(R9)	3000	120	80	8.4	9.6	13	100
	6500	130					
AS-2835D3W-3C-S1-08L-PCT-HR3(R9)	3000	115	80	8.4	9.6	15	100
	6500	125					
AS-2835H466W-3C-S1-08L-PCT-HR3(R9)	3000	110	80	8.4	9.6	20	100
	6500	120					
AS-2835D9VW-S1-08L-PCT-HR3(R9)	3000	65	80	8	10	35	60
	6500	70					
AS-2835VD18W-S1-08L-PCT-HR3(R9)	3000	63	80	17	20	35	30
	6500	68					
AS-2835D18VW-2C-S1-08L-PCT-HR3(R9)	3000	120	80	34	38	18	30
	6500	130					



2835-PPA



2.8x3.5x0.7mm



Product Model 型号	CCT(K) 色温	Φ(lm) Typ 光通量	LM/W typ. 光效	Ra≥ 显指	VF(V) 正向电压		Rth J-S (°C/W) 热阻	IF(mA) 电流
					Min	Max		
A-2835D46W-S1-08-HR3	3000	65	/	80	2.8	3.4	25	150
	6500	70						
AM-2835D1W-S1-08HL-HR3	3000	60	/	80	2.8	3.4	33	150
	6500	63						
AM-2835D3W-S1-08HL-HR3	3000	58	/	80	2.8	3.4	40	150
	6500	61						
AM-2835H466W-S1-08HL-HR3	3000	26	/	80	2.8	3.4	/	60
	6500	28						
AM-2835H489W-S1-08HL-HR3-DT-LM	3000	24	/	80	2.8	3.4	/	60
	6500	25						
★A-2835D94W-2-S1-08L-HR3	3000	33	215	80	2.5	3	10	60
	6500	35						
★A-2835D3W-2-S1-08L-HR3	3000	30.5	193	80	2.5	3	20	60
	6500	31						

High CRI 2835 Series

高显指2835系列



2.8x3.5x0.7mm



Product Model 型号	CCT(K) 色温	Φ(lm) Typ 光通量	Ra≥ 显指	VF(V) 正向电压		Rth J-S (°C/W) 热阻	IF(mA) 电流
				Min	Max		
AM-2835H421W-S1-08-HR5	3000	22	90	2.8	3.4	/	60
	6500	27					
A-2835D46W-S1-08-HR5	3000	59	90	2.8	3.4	25	150
	6500	64					
AM-2835D1W-S1-08HL-HR6	3000	20	95	2.8	3.4	25	60
	6500	23					
A-2835D90W-2-S1-08L-PCT-HR6	3000	56	95	2.8	3.4	13	150
	6500	60					
A-2835D90VW-LVR7-S1-08-PCT-HR6	3000	18	96	2.8	3.4	28	60
	6500	19					
A-2835D90VW-2-LVR7-S1-08-PCT-HR6	3000	43	96	2.8	3.4	25	150
	6500	45					

3014



3.0x1.4x0.8mm



Product Model 型号	CCT(K) 色温	Φ(lm) Typ 光通量	Ra≥ 显指	VF(V) 正向电压		IF(mA) 电流
				Min	Max	
A-3014H421W-S1-08HL-HR3	3000	13	80	2.7	3.3	30
	6500	13.5				
A-3014H416W-S1-08HL-HR3	3000	12	80	2.7	3.3	30
	6500	12.5				

4014



4.0x1.4x0.7mm



Product Model 型号	CCT(K) 色温	Φ(lm) Typ 光通量	LM/W typ 光效	Ra≥ 显指	VF(V) 正向电压		IF(mA) 电流
					Min	Max	
A-4014H466W-S1-HR3-DM(改良无孔)	3000	26	140	80	2.8	3.4	60
	6500	28					
A-4014D4W-S1-HR3-DM-HL(改良无孔)	3000	29	161	80	2.6	3.2	60
	6500	31					

5730



5.7x3.0x0.8mm



Product Model 型号	CCT(K) 色温	Φ(lm) Typ 光通量	Ra≥ 显指	VF(V) 正向电压		Rth J-S (°C/W) 热阻	IF(mA) 电流
				Min	Max		
A-5730D34W-S1-08-HR3(LY)	3000	65	80	2.8	3.4	23	150
	6500	70					
A-5730D1W-S1-08-HR3(LY)	3000	57	80	2.8	3.4	30	150
	6500	62					

3014/3528/5060

灯带系列 (Strip light series)



3.0x1.4x1.2mm



3.5x2.8x1.3mm



5.4x5.0x1.6mm



Product Model 型号	CCT(K) 色温	Φ(lm) Typ 光通量	Ra≥ 显指	VF(V) 正向电压		IF(mA) 电流
				Min	Max	
A-3014H416W-S1-THL-HR3-DT	3000	6.5	80	2.6	3.2	20
	6000	8				
A-3528H343W-S1-13HL-HR3-DT	3000	7.5	80	2.6	3.2	20
	6000	8				
AF-5060H343W-3-S1-THL-HR3-DT	3000	23	80	2.6	3.2	20
	6000	24				
AF-5060H271BU46FU79GC-S1-THL	R	460	/	1.8	2.4	20
	G	1300		2.8	3.4	
	B	270		2.8	3.4	



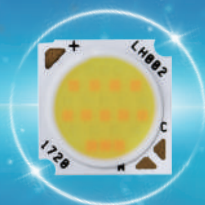
Double Color Adjustable COB

智能调光双色COB



LH011

13.5×13.5×1.6mm



LH002

13.5×13.5×1.6mm



LH011

13.5×13.5×1.6mm

- White COB plus CSP color-mixing technology, excellent color intergration performance
- High quality of light, 2700 ~ 6500K trajectory similar to the BBL ;
- Flip chip package, higher temperature tolerance capacity, higher reliability;
- Flexible usage, compatible with the mainstream lighting accessories in current market

- 白光CoB加CSP混光技术，混光均匀，融合效果佳
- 高光色品质，2700~6500k轨迹近似与BBL重叠
- 覆晶封装，更高温度承载能力更高可靠性
- 使用方便灵活，兼容市面上主流灯具配件



Product Model	CCT (K)	VF(V)	IF(mA)		Φv(lm)		Normal power(W)	Luminous dimensions (mm)
			Warm	Cool	Ra80	Ra90		
型号	色温	电压	电流		光通量		标准功率	发光最大直径 (含围埋)
LH011F95W-7B2C8(Ra2)-CS	2700K	22-26	280	20	660	560	7.3	Φ7.5
	3000K		260	40	680	580		
	3500K		200	100	690	585		
	4000K		150	150	710	600		
	5000K		75	225	710	600		
6500K	0	300	700	595				
LH002F95W-12B2C12(Ra2)-CS	2700K	34-40	280	20	840	739	10.6	Φ11.2
	3000K		260	40	960	845		
	3500K		200	100	1100	968		
	4000K		150	150	1130	994		
	5000K		75	225	1120	986		
6500K	0	300	1120	986				



COB LM (High efficacy)

高光效COB LM 系列



LM002

13.5x13.5x1.6mm



LM003

19x19x1.6mm



LM004

28x28x1.6mm

- 10000hrs LM-80 certified LED
- High efficacy, up to 155lm/W@80Ra&135lm/W@90Ra
- Size and light-emitting area can be compatible with universal type of lamp accessories in the market
- Large scale production for Ra80 Ra90 Ra97
- MacAdam 3 Steps color binning range

- 取得第三方LM-80 10000小时测试报告
- 高光效，可达155lm/W@80Ra&135lm/W@90Ra
- 尺寸、发光面可兼容市面通用型灯具配件
- Ra80、Ra90、Ra97可大批量供货
- 近似麦克亚当椭圆3阶分光分色



Product Type	CCT (K)	Ra≥	IF (mA)	VF(V) typ.	Normal power(W)	Φv(lm) typ.	Efficacy (lm/w)Typ	Absolute Maximum Power (W)	Luminous dimensions (mm)
型号	色温	显指	电流	正向电压	标准功率	光通量	光效	绝对最大功率	发光最大直径 (含围埋)
★ LMH02D90W-5B2C12(Ra2)	3000	80	180	34.5	6.2	890	144	10.8	Φ11.2
	5700					920	148		
★ LMH02D90W-7B3C12(Ra2)	3000	80	270	34.5	9.3	1330	143	16.2	
	5700					1360	146		
★ LMH02D90W-9B4C12(Ra2)	3000	80	360	34.5	12.4	1700	138	21.6	
	5700					1750	142		
★ LMH03D90W-11B5C12(Ra2)	3000	80	450	34.5	15.5	2230	144	27.8	Φ17.0
	5700					2300	148		
★ LMH03D90W-13B6C12(Ra2)	3000	80	540	34.5	18.6	2640	142	33.3	
	5700					2720	146		
★ LMH03D90W-17B8C12(Ra2)	3000	80	720	34.5	24.8	3470	140	44.5	
	5700					3570	144		
★ LMH04D90W-25B12C12(Ra2)	3000	80	1080	34.5	37.2	5580	150	67.5	Φ24.5
	5700					5770	155		
★ LMH04D90W-35B16C12(Ra2)	3000	80	1440	34.5	50	7350	147	71.0	
	5700					7550	151		
★ LMH04D90W-40B18C12(Ra2)	3000	80	1620	34.5	56	7950	142	80.0	
	5700					8180	146		



High Luminous Density COB HI Series

高光密度COB LM HI 系列



LM021

13.5x13.5x1.6mm



LM023

19.0x19.0x1.6mm

- It has passed the third party 10,000-hour LM-80 test, the TM-21 lifetime is estimated to be L70>60000hours
- Provide higher central light intensity and uniform light output
- Ra80, Ra90, Ra97 can be supplied in large quantities
- Size and light-emitting area can be compatible with universal type of lamp accessories in the market
- Good color consistency, adopted 3 step MacAdam ellipse color binning

- 通过第三方10000小时LM-80测试，TM-21寿命推算L70>60000hours
- 为灯具提供更高的中心光强、出光均匀；
- Ra80、Ra90、Ra97可大批量供货
- 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色



Product Type	CCT(K)	Ra≥	IF(mA)	VF(V) typ.	Normal power (W)	Φv(lm) typ.	Efficacy (lm/w) Typ.	Luminous dimensions (mm)	
型号	色温	显指	电流	正向电压	标准功率	光通量	光效	发光最大直径 (含围堰)	
LM021H384W-3B1C6(Ra2)	3000	80	150	18.0	2.7	300	105	Φ7.5	
	5700					310	112		
LM021H384W-5B1C10(Ra2)	3000	80	150	30.0	4.7	460	102		
	5700					500	107		
LM021H384W-7B1C14(Ra2)	3000	80	150	42.0	6.6	670	101		
	5700					710	107		
LM021H384W-12B1C24(Ra2)	3000	80	150	72.0	11.0	1100	100		
	5700					1150	105		
LM023H384W-24B2C24(Ra2)	3000	80	300	74.0	22.4	2450	109		Φ14.0
	5700					2570	144		
LM023H384W-30B2C30(Ra2)	3000	80	300	90.0	28.0	2800	100		
	5700					2970	106		
LM023H384W-36B2C39(Ra2)	3000	80	300	117.0	35.1	3550	101		
	5700					3720	106		

High Luminous Density COB LH HI Series (Flip chip)

高光密度COB LH HI系列（倒装）



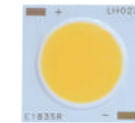
LH021

13.5x13.5x1.6mm



LH022

13.5x13.5x1.6mm



LH023

19.0x19.0x1.6mm

- Provide higher central light intensity and uniform light output;
- No bonding wire connection, no risk of wire breakage
- Size and light-emitting area can be compatible with universal type of lamp accessories in the market
- Good color consistency, adopted 3 step MacAdam ellipse color binning

- 为灯具提供更高的中心光强、出光均匀；
- 无键合线连接，无断线死灯风险
- 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色



Product Type	CCT(K)	Ra≥	IF(mA)	VF(V) typ.	Normal power (W)	Φv(lm) typ.	Efficacy (lm/w) Typ.	Luminous dimensions (mm)		
型号	色温	显指	电流	正向电压	标准功率	光通量	光效	发光最大直径 (含围堰)		
LH021D101W-8B1C16(Ra2)-S-FC	3000	80	150	48.0	7.2	760	105	Φ7.5		
	5700					790	110			
LH021D102W-8B1C16(Ra2)-S-FC	3000	80	150	48.0	7.2	680	95			
	5700					720	100			
LH022D101W-18B1C36(Ra2)-S-FC	3000	80	150	108.0	16.2	1720	105		Φ11.2	
	5700					1840	110			
LH022D102W-18B1C36(Ra2)-S-FC	3000	80	150	108.0	16.2	1540	95			
	5700					1620	100			
LH023D101W-36B2C39(Ra2)-S-FC	3000	80	300	117.0	35.1	3640	105			Φ14.0
	5700					3800	110			
LH023D102W-36B2C39(Ra2)-S-FC	3000	80	300	117.0	35.1	3280	95			
	5700					3460	100			



Automotive Lighting

汽车照明系列

Pass the AEC - Q102 Automotive grade certification (The number one in the world to obtain the certification issued by SGS)、IEC60810 certification of Lamps for road vehicles - Performance requirements. It can meet the requirement of Chinese GB、EU' S ECE、American SAE.

With IATF16949 quality management system certification(TS16949 new version)、ISO 14001 certification、ISO 9001 certification, it can meet the VDA6.3 German Automotive Standard requirements.

AEC - Q102车规级认证AEC - Q102 Automotive grade certification

取得AEC - Q102车规级认证 (全球首家拿到SGS出具认证报告)、IEC60810道路机动车辆用灯-性能要求标准认证; 满足中国GB、欧盟ECE、美国SAE。拥有IATF16949质量管理体系证书 (TS16949转版)、ISO 14001证书、ISO 9001证书, 满足VDA6.3德国汽车标准要求。

The IEC 60810 standard issued by the IEC (international Electrotechnical Commission), it's a standard of stress verification requirement for lighting sources (incandescent lamp、gas discharge lamp、LED Lighting source) to be used in headlamps、fog-lamps、signal lamps for road vehicles. It defines the life span、lumen maintenance、resistance to vibration and shock for lighting source of automotive lighting as well as the limitation and requirement of voltage stress in the process of electrical design and application.

IEC (国际电工委员会) 发布的IEC60810标准, 是适用于道路车辆前照灯、雾灯和信号灯中使用的光源 (白炽灯、气体放电灯和LED光源) 的应力验证要求的规范。本规范定义了车灯光源器件寿命、光通量维持率、耐振动、耐冲击以及电气设计应用中电应力的限制与要求。



Interior: Backlight, Atmosphere, Indicator light, Lighting, etc.

车内: 背光、氛围、指示、照明等

Product	Package size	Rated/Max current	Recommended/Max power	Color	Flux (@Rated current)	Vf (@Rated current)	Size	State
2835	2835	60mA/70&150mA 150mA/200&240mA 350mA/450mA	0.2W/0.5W/1W	Red Yellow White	1.8-35.5cd	1.70-2.30V 2.60-3.40V		Release
PLCC 2	3528	20mA/50mA	0.06W/0.2W	All Color	450-900mcd	1.95-2.50V 2.05-2.65V 3.00-4.10V		Release

Exterior: Signal, Foglight, Headlamp, etc.

车外: 信号灯、雾灯、头灯等

Product	Package size	Rated/Max current	Recommended/Max power	Color	Flux (@Rated current)	Vf (@Rated current)	Size	State
2835	2835	60mA/70&150mA 150mA/200&240mA 350mA/450mA	0.2W/0.5W/1W	Red Yellow White	1.8-35.5cd	1.70-2.30V 2.60-3.40V		Release
PLCC 2	3528	20mA/50mA	0.06W/0.2W	All Color	450-900mcd	1.95-2.50V 2.05-2.65V 3.00-4.10V		Release
PLCC 4	3528	50mA/70mA	0.2W	All Color	0.90-5.66cd	1.90-2.50V 1.95-2.65V 2.05-2.65V		Release
PLCC 6	3433	140mA/250mA	0.5W	All Color	1.8-14cd	1.95-2.50V 2.05-2.65V 3.00-4.10V		Release
Ceramics	1713 2016 2319	250mA/350mA 500mA/700mA 700mA/100mA 350mA/700mA 1000mA/1500mA	0.7W/1W/ 3W/5W	All Color	18-350lm	1.90-2.70V 2.60-3.40V 2.60-3.40V 1.90-2.70V 2.60-3.40V		Engineering Sample
EMC	1-2chip	1000mA/1500mA	3W/5W/9W	Red Yellow White	250-400lm 500-900lm	2.75-3.75V 5.50-7.50V		Release
EMC	3-5chip	1000mA/1500mA	Developing	Developing	Developing	Developing	Developing	Developing



Ceramic Automotive Products for Aftermarket

陶瓷后装车灯产品



C1616

1.6×1.6×0.78mm



C2017

2.0×1.6×0.68mm



C2525

2.45×2.45×1.85mm



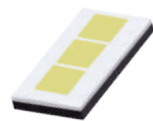
C3535

3.45×3.45×2.0mm



C1860

1.66×5.9×0.8mm



C5530

5.0×3.0×0.8mm



C7035

6.9×3.38×0.8mm

- Discrete part: C2017/C2525/C3535/C1616
Thermoelectric separation design, low thermal resistance, high reliability and flexible design.
- Integrated device: C1860/C7035
Single-sided light-emitting, small chip gap, match optical design, can minimize glare, to ensure there is no dark area on the luminous surface, clear cut-off line.

- 分立式器件: C2017/C2525/C3535/C1616
热电分离设计、低热阻、高可靠性、设计灵活。
- 集成器件: C1860/C7035
单面出光, 芯片间隙小, 配合光学设计, 可最大限度的减少眩光, 最大限度的保证了发光面无暗区, 明暗截止线清晰。

型号 Product Type	CCT (K)	Ra≥	IF (mA)	VF(V) typ.	Normal power(W)	Φv(lm) typ.	Efficacy (lm/w)Typ.	Absolute Maximum Power (W)	Luminous dimensions (mm)
	色温	显指	电流	正向电压	标准功率	光通量	光效	绝对最大功率	发光最大直径 (含围堰)
C2017K9W3CB(Ra1)-FC-LVR-CZ	2270~2550K	68	1000	3	3	275-290-310	92	4.8	2.0*1.6*0.68
	5665~7040K	68				330-360-390	120		
C2525F71W1EA(Ra1)-FC-CZ	1600-1800K	50	350	3.06	1.07	74-84-104	78.5	1.6	2.45*2.45*1.85
	5665~7040K	68				118-128-148	120		
C2525F82W3EA(Ra1)-FC-CZ	1600-1800K	50	700	3.05	2.14	155-165-185	77	2.8	2.45*2.45*1.85
	5665~7040K	68				245-265-285	124		
C3535K9W1EA(Ra1)-FC	1600-1800K	50	350	2.86	0.96	100-110-130	115	3.6	3.45*3.45*2.0
	5665~7040K	70				160-170-190	177		
C3535F77W1EA((Ra1)-FC	1600-1800K	50	350	2.8	0.98	95-105-125	136	2.4	3.45*3.45*2.0
	5665~7040K	70				155-165-185	168		
C1860K9W14DB-1B3C(Ra1)-FC-CZ	5665~7040K	68	1200	8.85	10.6	1100-1200-1350	113	13.5	1.66*5.9*0.8
C7035K29W18DB-1B3C(Ra1)-FC-CZ	5665~7040K	68	1500	8.92	13.4	1450-1600-1800	119	18.1	6.9*3.38*0.8

Product Type	CCT (K)	Ra≥	IF (mA)	VF(V) typ.	Normal power(W)	Φv(lm) typ.	Efficacy (lm/w)Typ.	Absolute Maximum Power (W)	Luminous dimensions (mm)
型号	色温	显指	电流	正向电压	标准功率	光通量	光效	绝对最大功率	发光最大直径 (含围堰)
C1616F62W3MB(Ra1)-FC	5310-7560	68	700	2.9	2.03	250	135	3.0	1.6*1.6*0.78
C1616K9W3MB(Ra1)-FC	5310-7560	68	1000	3	3	370	123.5	4.5	1.6*1.6*0.78
C5530K9W14PB-1B3C(Ra1)-FC-CZ	5665~7040K	68	1200	8.85	10.6	1150-1250-1400	113	13.5	5.0*3.0*0.8
C7035K29W18DB-1B3C(Ra1)-FC-CZ	5665~7040K	68	1500	8.92	13.4	1450-1600-1800	119	18.1	6.9*3.38*0.8

CSP1919



CSP1919

1.9×1.9×0.3mm

- Five-sides light-emitting, big viewing angle;
 - Low thermal resistance, good heat dissipation and high reliability;
 - High power and high luminous density;
 - No bonding wire connection, no bracket / substrate package, small size, flexible design and application
- 五面发光, 发光角度大;
 - 热阻低, 散热好, 可靠性高;
 - 高功率、高光密度;
 - 无键合线连接, 无支架/基板封装, 体积小, 设计和应用灵活。



Product Type	Size	CCT (K)	IF (mA)	VF(V) typ.	Φv(lm) typ.	Ra≥	P (W)
型号	尺寸	色温	电流	正向电压	光通量	显指	功率
CSP1919	1.9*1.9*0.3mm	6000-7000	1200	2.7-3.3	470	70	3.5



Other Series

其他系列



植物照明系列

Plant growth Lighting



商业照明系列

Commercial lighting

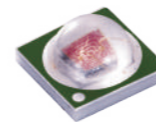


背光显示系列

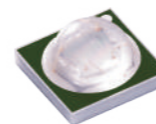
Backlight display

Plant Growth Lighting C2525/C3535

植物照明系列C2525/C3535



- Full Wavelength, customized wavelength and proportioning is available
- High luminous efficacy, universal design in 1W and 3W
- High Reliability, ceramic substrate and thermoelectrical separation design
- Design Flexible, cost savings on a system level



- 全波段-可实现不同波长配比定制方案
- 高功率-出光效率高, 1-3W通用
- 高可靠性-陶瓷基板和热电分离设计
- 设计灵活-尺寸小, 有效降低灯具和系统成本



Product Model	VF(V)	IF(mA)	Wavelength(nm)	PPF umol/S @ [380-780nm]	PPF/W (μ mol/J)	Product dimensions (mm)
型号	正向电压	电流	波长(nm)	PPF umol/S @ [380-780nm]	PPF/W (μ mol/J) (typ)	产品尺寸
C2525K4R3EA	2.0-2.6	350	λP=618-628	1.62	2.09	2.45*2.45*1.85
C2525K2G3EA	2.8-3.4	350	λP=520-530	1.16	1.14	
C2525K4B3EA	3.0-3.6	350	λd=460-470	1.93	1.84	
C3535F3V3EA-ZW	3.2-3.8	700	λP=387.5-392.5	2.69	1.11	3.45*3.45*2.0
C3535F26B3EA-ZW	3.2-3.8	700	λd=440-445	3.41	1.45	
C3535F5R3EA-ZW	2.0-3.0	700	λp=655-665	4.20	2.33	
C3535F4R3EA-ZW	1.8-2.4	700	λp=735-745	3.43	2.49	

Plant Growth Lighting SMD2835

植物照明系列 SMD2835



Product Model	Colour	VF(V) typ.	IF(mA)	Wavelength(nm)	PPF umol/S @ [380-780nm]	PPF/W (μ mol/J)
型号	颜色	正向电压	电流	波长(nm)	PPF umol/S @ [380-780nm]	PPF/W (μ mol/J) (typ)
A-2835H421BC-S1-08	Blue	2.8-3.4	60mA	440-460	0.3599	1.98
A-2835S50FC-S1-08	Red	1.8-2.4	60mA	650-670	0.31568	2.48
A-2835D46BC-S1-08	Blue	2.8-3.4	150mA	440-460	0.9029	2.03
A-2835D15FC-S1-08	Red	1.8-2.4	150mA	650-670	0.66226	2.08
A-2835IR2C-L1-08	Red	1.8-2.4	150mA	720-740	0.7182	2.3
A-2835D19VW-2-LVR7-S1-08-PCT-HR6	White	2.6-3.2	150mA	/	0.6864	1.46



"Blow Black Body Line" COB series

特殊色点系列COB

"Blow Black Body Line" COB series is a new product developed by Hongli Zhihui for high-end segmented commercial lighting application. According to the color characteristics of the object or environment, the targeted spectral output enhances the fidelity and is suitable for special applications such as clothing, furniture, fresh food, and jewelry.

特殊色点系列为鸿利智汇针对高端细分商照领域的应用场景开发的一款新产品，根据被照物体或环境的颜色特征，有针对性的光谱输出，提升逼真度，适用于服装、家具、生鲜、珠宝等特殊应用场合。



- High saturability, firstly draw attention to visual points;
- High fidelity, Good environment comfortable sensation;
- Size and light-emitting area can be compatible with universal type of lamp accessories in the market
- 高饱和度，率先吸引注意力的视点
- 高保真度，环境舒适感好
- 尺寸、发光面积可兼容市面通用型灯具配件

■ 服装XC系列
Clothing XC series



90CRI光源/90CRI LED



90CRI光源/90CRI LED

■ 生鲜灯SXD系列
Fresh lamp SXD series

■ 生鲜灯SXD系列
Fresh lamp SXD series



90CRI光源/90CRI LED



90CRI光源/90CRI LED

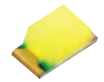
■ 家具FL系列
Furniture FL series



Product Series	Scene	Series code	CCT (K)	Ra \geq	Rf	Rg
系列	场景	系列代码	色温 (K)	显指 (Ra)	Rf	Rg
服装 XC系列 Clothing XC series	炫彩Dazzle colour	XC-C	3000K	90	90	110
	炫白Cool white	XC-W	5500K	90	91	102
家具 FL系列 Furniture FL series	浅红木Light mahogany	FL-O	3000K	95	94	104
	深红木Deep mahogany	FL-R	2500K	96	94	104
生鲜灯 SXD系列 Fresh lamp SXD series	鲜肉Carcass meat	SXD-MO	3000K	70	73	124
	面包Bread	SXD-BO	2500K	95	94	104
	水果Fruits	SXD-FO	3000K	90	89	104
	蔬菜Vegetables	SXD-VO	5000K	90	91	98
珠宝 JL系列 Jewelry JL series	冰鲜 Freeze	SXD-IO	6500K	80	79	97
	黄金 Gold	JL-G	2500K	92	89	101
	玉石Jade	JL-B	4000K	91	90	102



CHIP LED



1608

1.6×0.8×0.68mm



2012

2.0×1.2×0.68mm



3216

3.2×1.6×0.68mm



1608



2012



3216

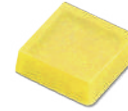
- Low power consumption, wide viewing angle;
- Variety of color, Flexible design;
- Good solution for instruction and backlight.

- 低功耗，宽视角；
- 色彩丰富，设计灵活；
- 更好的方案针对指示和背光产品。



Product Model	color	Iv(mcd) typ.	x/y	VF(V)		Min	Max	Test current (mA)
				Min	Max			
型号	发光颜色	亮度 (mcd)	坐标	正向电压		波长(nm)		测试电流(mA)
PST-1608S9AC	红光/Red	70	/	1.7	2.3	626	636	10
PT-1608S52FC-L		120	/	1.7	2.3	615	625	
PST-1608S22OC	橙光/Orange	110	/	1.7	2.3	600	610	
PST-1608S31YC	黄光/Yellow	120	/	1.7	2.3	586	596	
PST-1608U51GC	绿光/Green	1000	/	2.7	3.3	517	527	
PST-1608S11GC		35	/	1.7	2.3	568	578	
PST-1608H203BC	蓝光/Blue	140	/	2.7	3.3	464	474	
PST-1608H233W	白光/White	600	0.26/0.255	2.7	3.3	/	/	
		700	0.3045/0.308	2.7	3.3	/	/	
PSC-2012S35FC	红光/Red	330	/	1.8	2.4	617	627	
PSC-2012S22OC	橙光/Orange	240	/	1.8	2.4	600	610	
PSC-2012S31YC	黄光/Yellow	240	/	1.8	2.4	586	596	
PSC-2012U51GC	绿光/Green	1300	/	2.8	3.4	515	525	
PSC-2012S11GC		70	/	1.8	2.4	568	578	
PSC-2012H203BC	蓝光/Blue	270	/	2.8	3.4	464	474	
PSC-2012H233W	白光/White	1500	0.26/0.255	2.8	3.4	/	/	
		1700	0.3045/0.308	2.8	3.4	/	/	
PC-3216S9AC	红光/Red	160	/	1.8	2.4	626	636	20
PC-3216S22OC	橙光/Orange	240	/	1.8	2.4	600	610	
PC-3216S31YC	黄光/Yellow	270	/	1.8	2.4	586	596	
PC-3216U51GC	绿光/Green	1200	/	2.8	3.4	515	525	
PC-3216S11GC		65	/	1.8	2.4	568	578	
PC-3216H203BC	蓝光/Blue	210	/	2.8	3.4	464	474	
PC-3216H233W	白光/White	1200	0.26/0.255	2.8	3.4	/	/	

CSP1313



- Five-sides light-emitting, big viewing angle;
- Low thermal resistance, good heat dissipation and high reliability;
- High power and high luminous density;
- No bonding wire connection, no bracket / substrate package, small size, flexible design and application

- 五面发光，发光角度大
- 热阻低，散热好，可靠性高
- 高功率、高光密度
- 无键合线连接，无支架/基板封装，体积小，设计和应用灵活



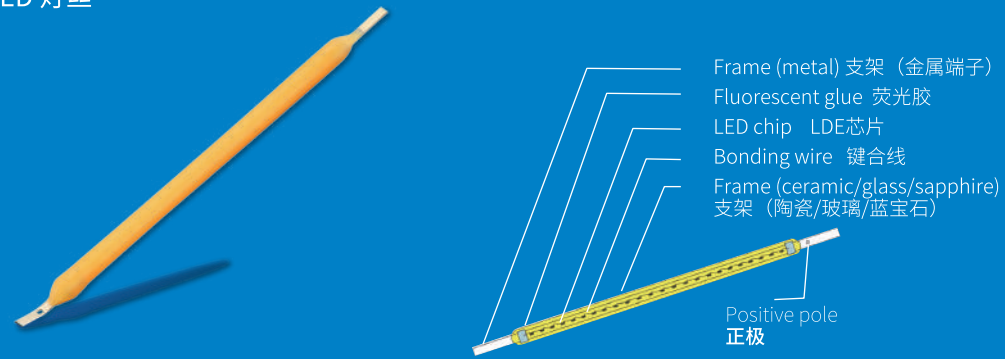
▲Product Specification (TV Backlight)

Product Model	Size	CIE	IF(mA)	VF (V)	Φ (lm) typ.	P (W)
型号	尺寸	x, y	电流	正向电压	光通量	功率
CSP1313	1.3*1.3*0.35mm	0.2701, 0.2449	650	2.7-3.3	200	1.5



LED Filament

LED 灯丝



- 360° full-angle three-dimensional light, no dark area, integrated COB packaging
- Satisfied 3 steps Macadam Ellipses, good Light color consistency
- According to customer requirements, we can provide the whole lamp solution and 1V voltage binning
- 360°全角度立体发光、无暗区、集成式 COB形式封装
- 满足3步麦克亚当椭圆图；光色一致性好
- 根据客户要求，可提供整灯解决方案及电压1V分档

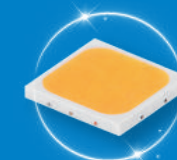
Product Model	CCT(K)	Φ(lm) Typ	Ra≥	VF(V)		IF(mA)	Angle(°)	Power
				min	typ			
型号	色温	典型流明	显指	电压		电流	角度	功率 (W)
				最小	典型值			
C3808-2401F-N80-S	2725K	135	80	130	135	6	360	0.8
C3808-2401F-N80-S	2725K	150	80	65	70	13	360	0.9
C4015-2501H-N80-S	2725K	190	80	65	70	16	360	1
C5315-2501H-N80-S	2725K	240	80	67	72	22	360	1.5
C5330-2501H-N80-S	2725K	310	80	67	72	26	360	1.85
C6830-2501H-N80-S	2725K	490	80	67	72	40	360	2.8

Outstanding Reliability EMC LED

高可靠性EMC LED



3.0×3.0×0.53mm



5.0×5.0×0.70mm



7.0×7.0×0.70mm

- Outstanding reliability EMC package, High light efficiency up to 240lm/W (5050)
- Highest power up to 13W (7070)
- Excellent performance for Anti-UV
- Long lifespan, LM-80 certified LED
- Good solution for commercial lighting and outdoor lighting

- 高可靠，EMC封装性能可靠，高光效，5050可达240lm/W
- 高功率，7070最大功率可达13W
- 抗 UV，出色的抗UV性能
- 长寿命，取得LM-80报告
- 适用于高端商业照明和户外照明领域



Down Light -筒灯



Panel Light -面板灯





























Street Light -路灯



Flood Light -投光灯

Product Model	CCT(K)	Φ(lm) Typ	Ra≥	VF(V)		Rth J-S (°C/W)	IF(mA)
				min	Typ		
型号	色温	典型流明	显指	电压		热阻	电流
				最小	典型值		
HL-EMC-3030D46W-2C-S1-HR3	6500K	120-130	80	5.8	6.2	12.5	150
HL-EMC-3030D90W-2C-S1-HR3	6500K	130-140	80	5.8	6.2	11.7	150
HL-EMC-3030D46W-2-S1-HR3	6500K	140-150	80	2.8	3.1	13	350
HL-EMC-3030D90W-2-S1-HR3	6500K	150-160	80	2.8	3.1	12.9	350
HL-EMC-3030H421W-3C-S1-HR3	6500K	120-130	80	8.9	9.2	16	100
HL-EMC-3030D11W-3C-S1-HR3	6500K	150-160	80	8.9	9.2	15	150
HL-EMC-5050D90W-B1C6-S1-HR3	6500K	500-570	80	17	19	7.9	200
HL-EMC-5050D90W-B1C8-S1-HR3	6500K	640-740	80	23	25	5.9	200
HL-EMC-5050D46W-B1C8-S1-HR3	6500K	590-690	80	23	25	5.9	200
HL-EMC-5050D90W-B1C12-S1-HR3	6500K	640-740	80	35	37	6.8	120
HL-EMC-5050D46W-B1C12-S1-HR3	6500K	560-650	80	35	37	6.8	120

														
双色COB Double color COB 		●		●										
COB LM 		●	●	●						●	●			
高密度COB HI High density COB HI 			●	●										
CSP 		●		●								●	●	●
2835-PCT 	●	●											●	
2835-PPA 					●	●	●	●						
3032 EMC 	●	●								●	●	●		
5060 									●					
3528 									●					
3014 					●				●					
4014 					●	●								
5730 				●		●								



球泡
Bulb



筒灯
Down light



PAR灯
PAR lamp



射灯
Spot light



面板灯
Panel light



灯管
Tube light



台灯
Table lamp



灯带
Strip light



路灯
Street light



工矿灯
High bay



投光灯
Flood light



TV 背光
TV backlight



手机闪光灯
Mobile flash



车灯
Automotive
lighting