



HONGLITRONIC

2019 | 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@honglitronic.com

www.honglitronic.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) | |

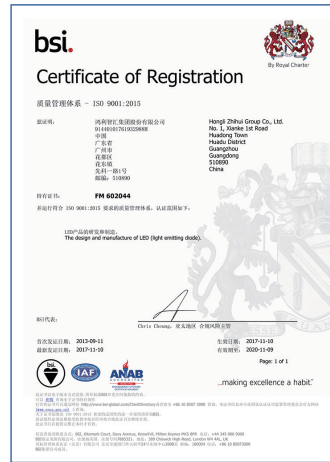
全球服务 Global Service



 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

能源之星实验室 CNAS (L7029) laboratory

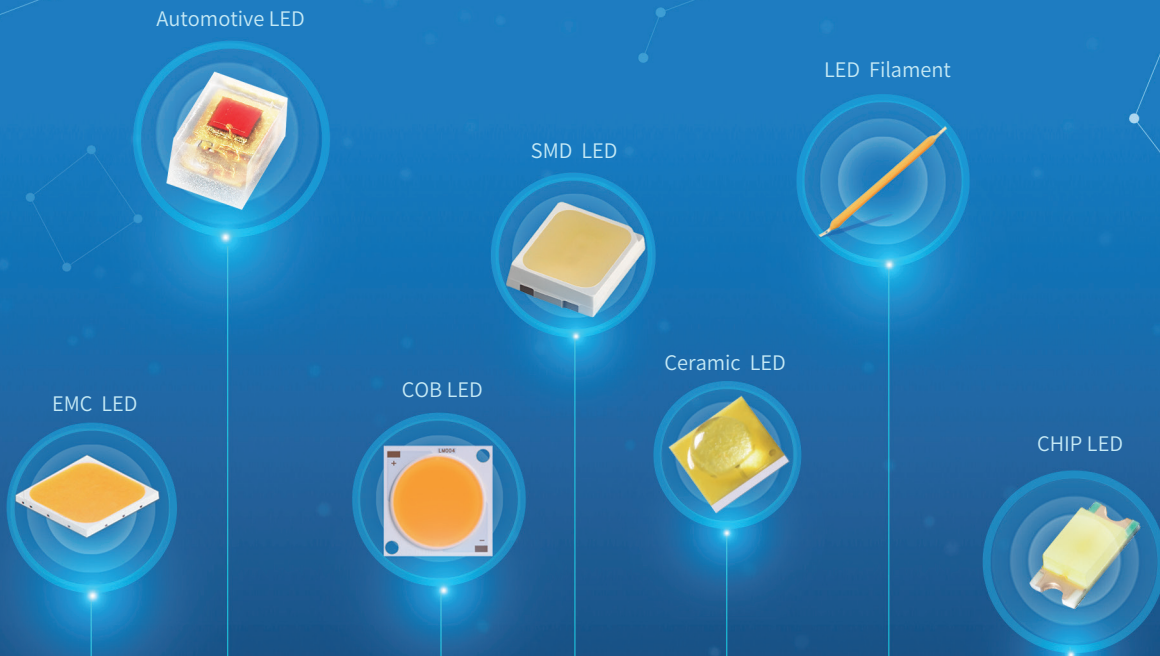


Our laboratory is CNAS (CNAS LAB CODE L7029) accredited, also recognized by US EPA for LED Packages/Arrays/Modules IES LM-80 testing and CIE 127-2007 standard testing.

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



CONTENTS

目录

公司介绍 Company Introduction

| | | |
|------|------|-----------------------|
| 01 / | 公司介绍 | Company Introduction |
| 02 / | 品质认证 | Quality Certification |

通用照明系列 General Lighting

| | | |
|------|---------|---------|
| 04 / | SMD LED | SMD LED |
| 07 / | COB LED | COB LED |

汽车照明系列 Automotive lighting

| | | |
|------|-------------|-------------------------------------|
| 12 / | 内饰灯系列 | Interior lamp Series |
| 12 / | 信号灯系列 | Signal Lamp Series |
| 12 / | 日间行车灯/车头灯系列 | DRL/Headlamp Series |
| 13 / | 后装车灯系列 | Automotive Products for Aftermarket |

其他系列 Other Series

| | | |
|------|---------|-----------------------|
| 16 / | 植物照明系列 | Plant growth Lighting |
| 17 / | 商业照明系列 | Commercial lighting |
| 19 / | 背光显示系列 | Backlight display |
| 21 / | 灯丝 | LED filament |
| 22 / | EMC LED | EMC LED |

应用列表 Application List

| | | |
|------|------|------------------|
| 23 / | 应用列表 | Application List |
|------|------|------------------|



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

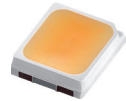
- Long life span, 9000H LM-80 certified LED;
- Apply both IEC and Ansi binning system, excellent color consistency
- Large product portfolio, including single dice LED、double dice LED、triple dice LED, it can meet the requirement of different linear solution for voltage from 3V to 45V
- 长寿命，已通过LM-80 9000H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 | 225 | | | | | |
| ★A-2835D3W-2-S1-08L-HR3 | 3000 | 30.5 | 193 | 80 | 2.5 | 3 | 20 | 60 |
| | 6500 | 31 | 203 | | | | | |

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 | 151 | | | | |
| A-4014D4W-S1-HR3-DM-HL(改良无孔) | 3000 | 29 | 161 | 80 | 2.6 | 3.2 | 60 |
| | 6500 | 31 | 172 | | | | |

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



- 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 (含围堰) |
| 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



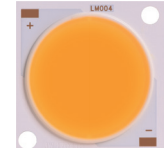
LM002

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 (含围堰) |
| ★ 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 AECQ-102 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.

AECQ-102车规级认证AECQ-102 Automotive grade certification

取得AECQ-102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IEC 60810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



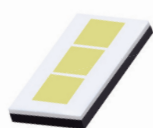
C3535

3.45×3.45×2.0mm



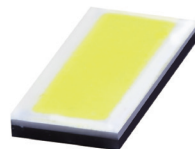
C1860

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

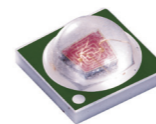


背光显示系列

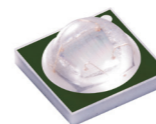
Backlight display

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。

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

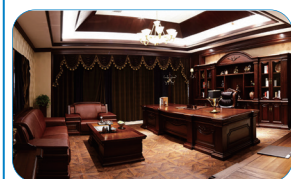
90CRI光源/90CRI LED



90CRI光源/90CRI LED



90CRI光源/90CRI LED



家具FL系列 Furniture FL series



- 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

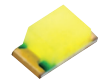
- 高饱和度，率先吸引注意力的视点
- 高保真度，环境舒适感好
- 尺寸、发光面积可兼容市面通用型灯具配件



| 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



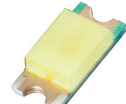
1608

1.6×0.8×0.68mm



2012

2.0×1.2×0.68mm



3216

3.2×1.6×0.68mm



1608



2012



3216

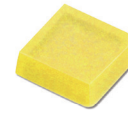
- Low power consumption, wide viewing angle;
- Variety of color, Flexible design;
- Good solution for instruction and backlight.

- 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



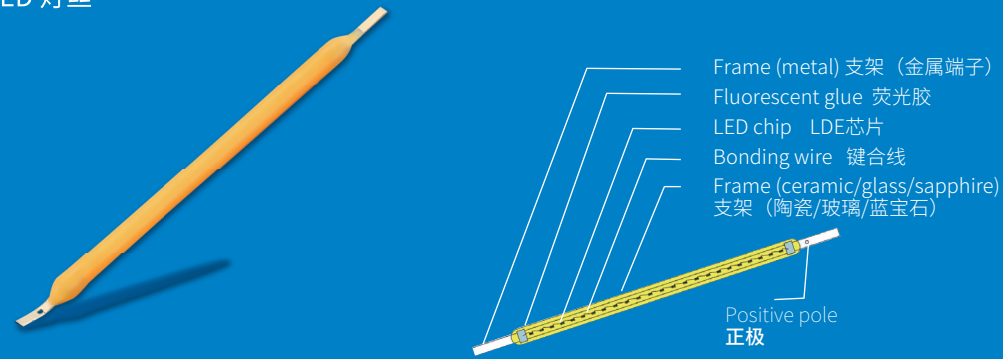
▲Product Specification (TV Backlight)

| 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

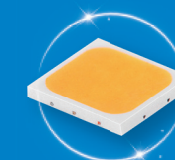
| Product Model 型号 | CCT(K) 色温 | Φ(lm) Typ 典型流明 | Ra≥ 显指 | VF(V) 电压 | | IF(mA) 电流 | Angle(°) 角度 | Power 功率 (W) |
|---------------------|--------------|----------------------|-----------|-------------|-----|--------------|----------------|--------------------|
| | | | | min | typ | | | |
| | | | | 最小 | 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

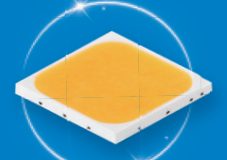
高可靠性EMC LED



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 型号 | CCT(K) 色温 | Φ(lm) Typ 典型流明 | Ra≥ 显指 | VF(V) 电压 | | Rth J-S (°C/W) 热阻 | IF(mA) 电流 |
|------------------------------|--------------|-------------------|-----------|-------------|------|-------------------------|--------------|
| | | | | min | Typ | | |
| | | | | 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-3030D1W-3C-S1-HR3 | 6500K | 150-160 | 80 | 8.9 | 9.2 | 15 | 150 |
| 3030 双串 6v 350ma | 6500K | 240-260 | 80 | 5.8 | 6.6 | 18 | 350 |
| 3030 三串 9v 150ma | 6500K | 200-220 | 80 | 8.9 | 9.4 | 14 | 150 |
| 3030 双串 18v 60ma | 6500K | 130-140 | 80 | 17 | 18.5 | 14.5 | 60 |
| 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 |
| 5050 16C1B | 6500K | 600-720 | 80 | 44 | 47 | 6.4 | 100 |
| 5050 3C2B | 6500K | 380-440 | 80 | 9 | 9.9 | 10 | 300 |
| 5050 14C1B | 6500K | 750-870 | 80 | 38 | 44 | 5.6 | 150 |

| 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 | |