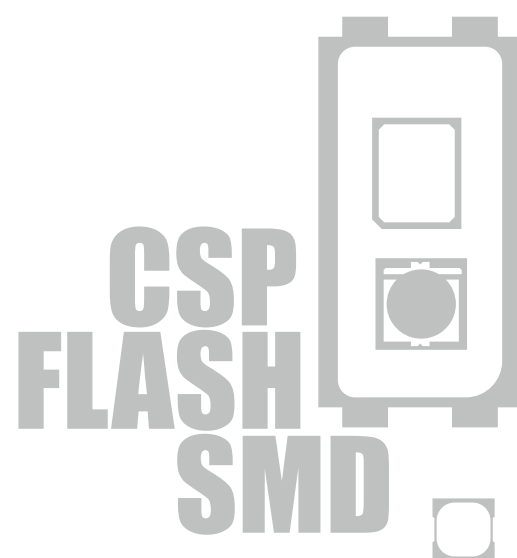


易 美



2022

LED Components Product Catalog





易美集团成立于2010年，由金沙江、北极光、IDG、MayField等国际风投联合投资，多位国家级人才、留美博士创办。

易美集团聚焦光电、第三代半导体、新型显示等领域的国际先进硬科技技术，致力于新产品及高精尖产品的研发及制造。创建以来，易美得到了国际国内一流客户的认可与信任，并获得了红鲱鱼（Red Herring）全球100强，德勤（Deloitte）中国高科技高成长50强，国务院侨办重点华侨华人创业团队等荣誉。公司承接并主导了17项国家及北京重大科技项目，包括多项科技部国家重点研发计划，“战略性先进电子材料”重点专项课题等。

历经多年的飞速发展，为满足高品质光电器件及模组日益增长的市场需求，2017年10月在南昌成立了“南昌易美光电科技有限公司”。公司利用北京的研发及国际化优势，结合南昌的地域及产业优势，加快扩大易美高品质光电封装器件与模组组件的生产规模，以满足国内外客户对高品质产品的需求。

易美集团坚持自主创新，在国际及国内创造了多个第一。被授予北京经济技术开发区博士后科研工作站；高亮度半导体发光器件北京国际科技合作基地；中关村国家自主创新示范区；北京科技研究开发机构；北京市设计创新中心等称号。公司已获得150多项国际、国内专利，积极参与国家标准编制，推动企业和行业的标准化发展，建立了由中国CNAS及美国EPA认证的LM-80实验室，先进的自动化产线采用ISO9001质量管理体系及专业的ERP\MES系统。公司始终坚信先进的技术、优质的服务、可靠的质量是生存之本与核心价值。公司的愿景是用创新改变世界，使世界更光明。公司的使命是成为顾客心目中LED技术方面的领导者、聚焦客户关注的挑战和压力，提供有竞争力的LED解决方案和服务、我们积极致力于器件、模组及制造技术方面的知识提升。

Shineon HardTech Co.,Ltd Established
Full Spectrum White LED Package Awarded Beijing
New Technology Product

2019

Green Development Award
Intellectual Property Award
Excellent Technology Award

2017

2018

"Of week" Award
ShineOn (Nanchang) Technology Co.,Ltd
Established
Innovation Technology Award

2016 Technology Innovation Award - TCL
Awarded with 3 National Key R&D Plan Projects
First to Achieve CSP Mass Production
Third Generation ACORN DOB to Market
23 Patents Awarded

2015

EPA Recognized Lab (LM-80)
Beijing Science and Technology Awards
CSP Technology Development

2016

2014

2013

Red Herring Global 100
World's First Fully Integrated Dimmable DOB
Capacity Expansion

Deloitte Top 50 Fast Growing High Tech
Company in China
CNAS Recognized Lab (LM-80)
Quantum Dot in Backlighting
Camera Flash Tech Development

High-tech Enterprise Certificate
High Power Ceramic Package
COB Tech Development

2012

2011

Global Clean-tech 100
TCL Approved Vendor

US Experts →



← Global VC

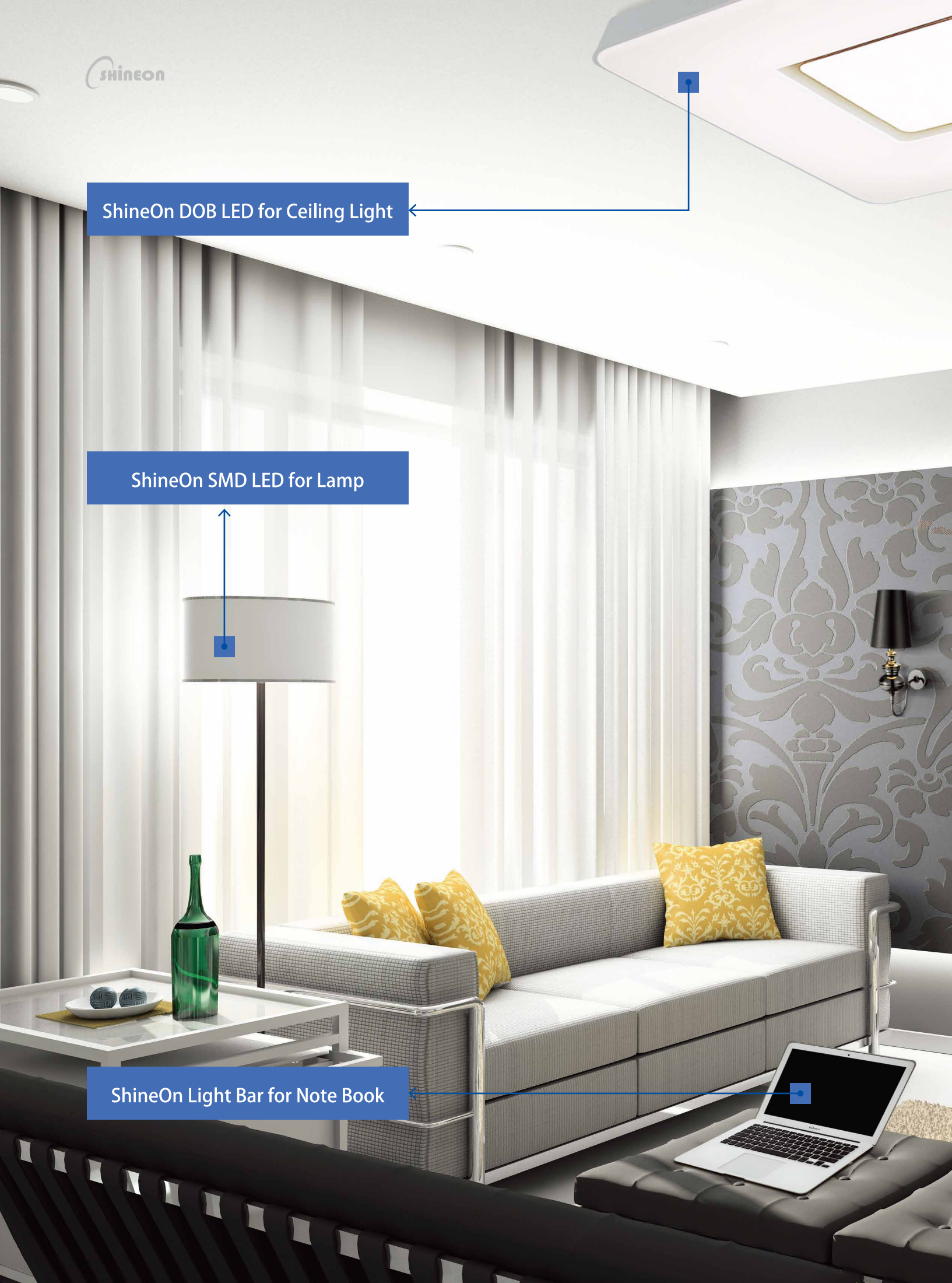
2010 Founded



ShineOn DOB LED for Ceiling Light

ShineOn SMD LED for Lamp

ShineOn Light Bar for Note Book



ShineOn DOB LED for Directional

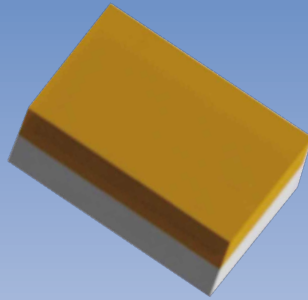
ShineOn COB LED for Down Light

ShineOn Light Bar for Large Size LCD

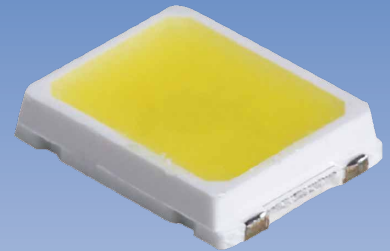
ShineOn SMD LED for Camera Flash



CSP
C2b

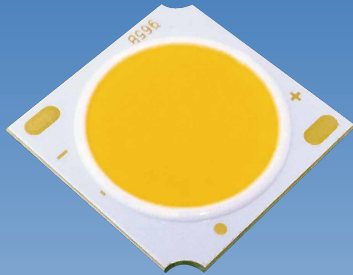


FLASH
FV2H

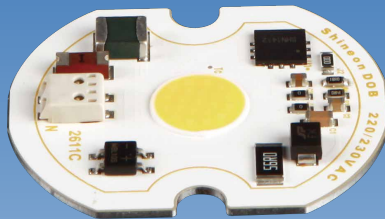


SMD
SMD

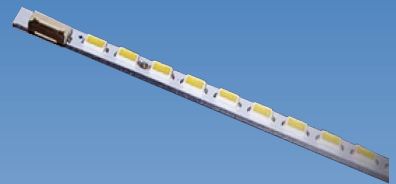
**Shine on
Colorful
Life**



COB
COB



DOB
DOB



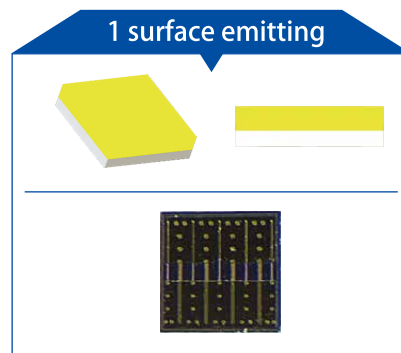
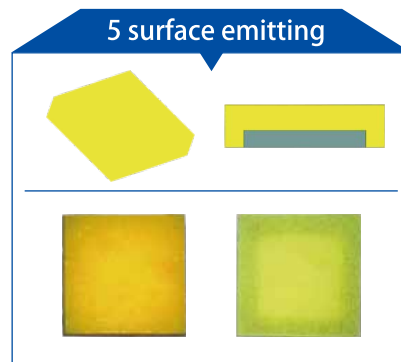
Backlighting
Backlighting

技术 品质 服务



CSP

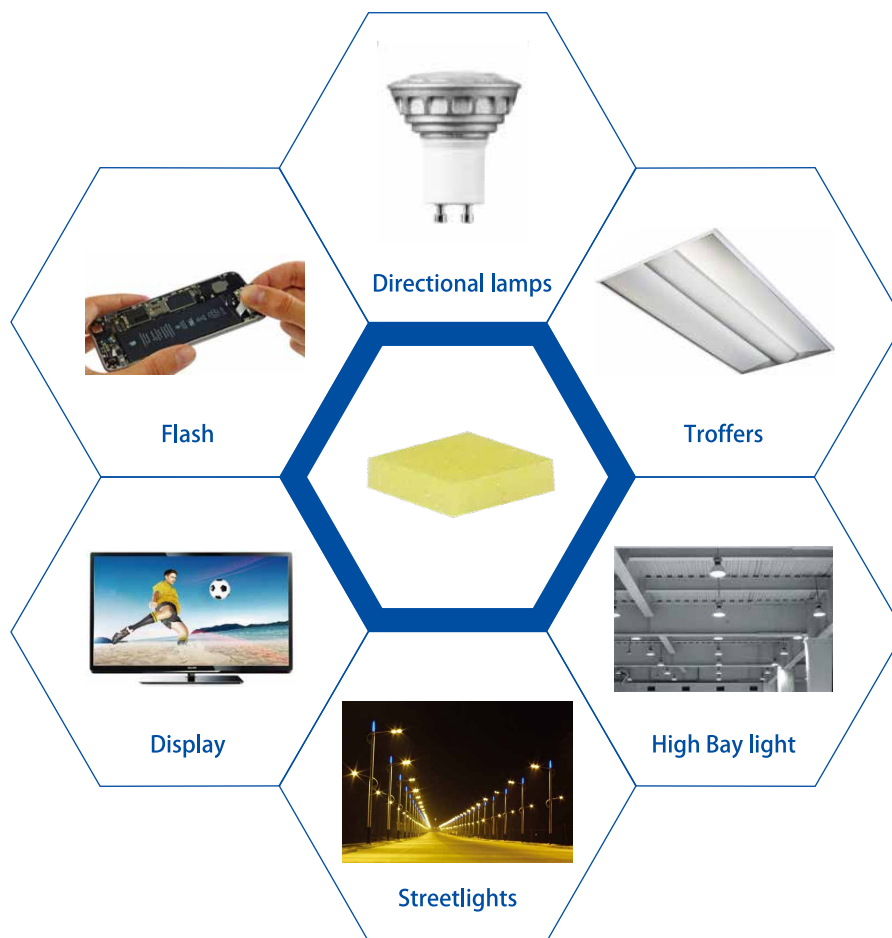
- ShineOn MCP1313A-B is designed and tested for use in BLU. It provides industry-leading intensity and uniformity with the innovative CSP Flip-Chip Package technology. The highest performance allow it provides high brightness as one kind of new LED light source for ultra High-Definition TV. It will reduce the cost sharply with Provide ultra high-definition visual enjoyment for customers. ShineOn MCP1313A-B will redefine performance, size and cost of BLU in the market.
- The smaller size LED ShineOn MCP1313A-B to point source mostly and output from five surface (can provide greatest beam angle) allows its light to distribute uniformly and reduce the quantity use in BLU for the same size TV. And ShineOn MCP1313A-B is able to drive to 1000mA easily. The small size and high intensity make it an ideal choice for middle and large size BLU application.



技术 品质 服务

Application

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Advantage

- The smallest LED package possible and highest lm/mm²
- Better thermal dissipation and reliability
- Easier optic design
- Lower cost/w
- High Power architecture that can scale to mid-power or high power application
- luminosity on five sides and at wider angles

Application Case

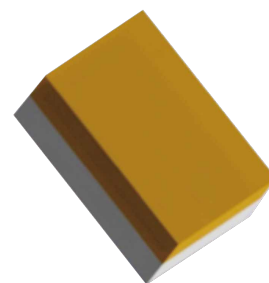


Parameter Table

Model No.	Appl.	CCT/White	Forward Voltage (V)	Flux (lm)	Luminous Efficacy Lm/W	Ra	View Angle (°)
MCP1313C1	General	2700k	2.8-3.1	125@350mA	123	80	140
		3000K	2.8-3.1	130@350mA	128	80	140
		3500k	2.8-3.1	135@350mA	133	80	140
		4000K	2.8-3.1	140@350mA	138	80	140
		5000K	2.8-3.1	145@350mA	143	80	140
		5700K	2.8-3.1	145@350mA	143	80	140
		6500k	2.8-3.1	140@350mA	138	80	140

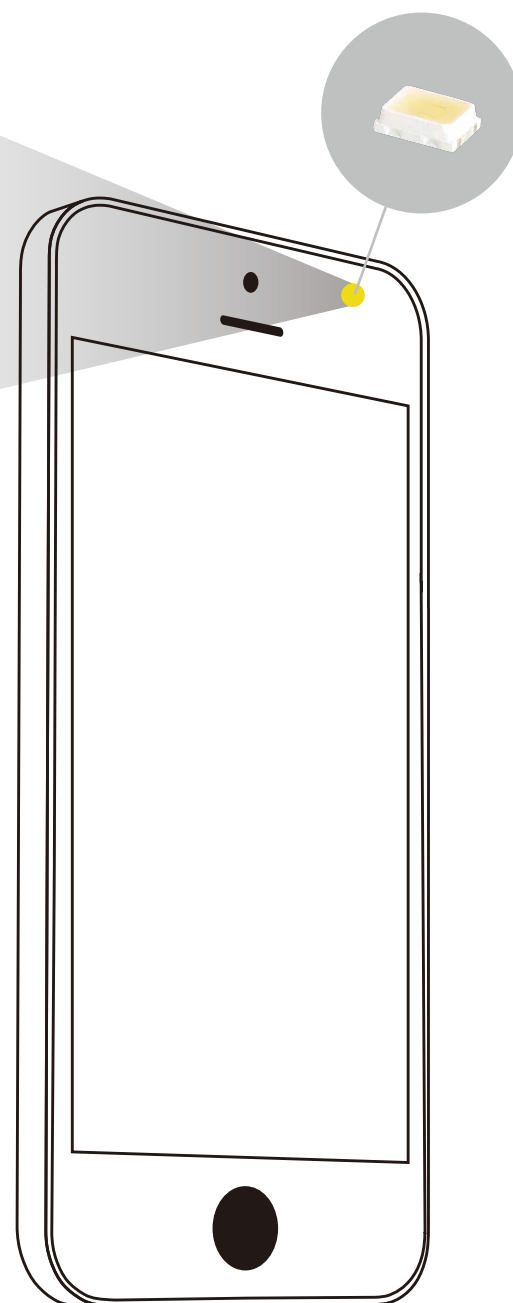
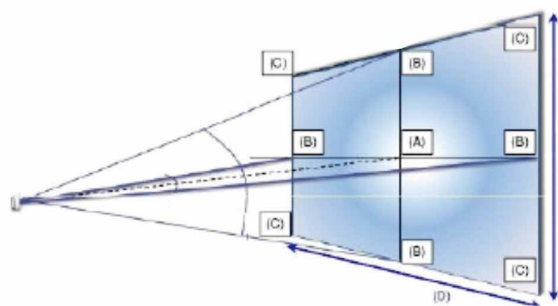
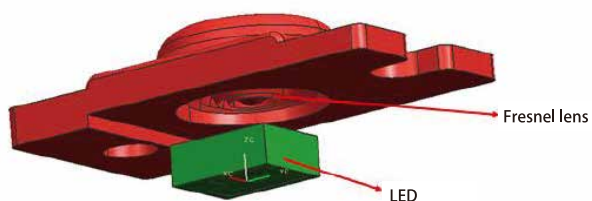
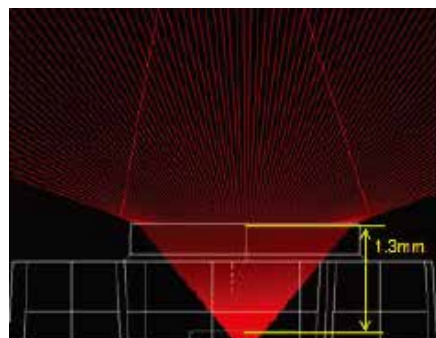
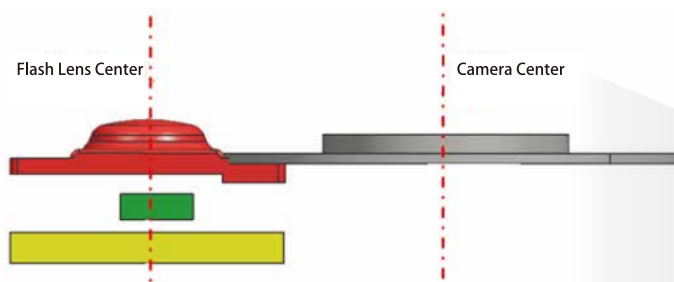


Flash



- ShineOn LEDs for smart phone flash advance technologies of flip chip with eutectic bonding on ceramic substrate to achieve high brightness and high reliability. We adopt full spectrum phosphor combination and spraying processes for high uniformity and high color rendering applications.

技术 品质 服务



P/N	Package	IF-pulse	Flux	CCT	Ra	DC max	Pulse max	Optical center	Substrate
SLW2016-01-5070-N	2.20*1.60*0.55mm	60mA	25lm	5000-6500k	80	80mA	150mA	Center	PLCC
EOW2016-02-5070-N	2.04*1.64*0.55mm	150mA	55lm	5000-6500k	80	150mA	350mA	Center	EMC
EOH2016-03-5070-N	2.04*1.64*0.55mm	500mA	140lm	5000-6500k	80	300mA	700mA	+ 0.3mm	EMC
MOD2016-03-5070-N	2.04*1.64*0.75mm	500mA	125lm	5000-6500k	70	300mA	700mA	- 0.3mm	Ceramic
MOD2016-03-4050-S	2.04*1.64*0.75mm	500mA	90lm	4000-5000k	90	300mA	700mA	- 0.3mm	Ceramic
MOC2016-04-5070-N	2.04*1.64*0.75mm	1000mA	255lm	5000-6500k	70	350mA	1200mA	- 0.3mm	Ceramic
MOC2016-07-5070-N	2.04*1.64*0.75mm	1000mA	280lm	5000-6500k	70	400mA	1500mA	- 0.3mm	Ceramic
MOC2016-07-2025-N	2.04*1.64*0.75mm	1000mA	230lm	1950-2450k	70	400mA	1500mA	- 0.3mm	Ceramic
MSF2016-07-5065-N	2.04*1.64*0.75mm	1000mA	320lm	5000-6500k	70	400mA	1500mA	- 0.3mm	Ceramic



SMD
2ND

技术 品质 服务

Shineon SMD LED Package Selection Guide

General Lighting

Application Power	 Tube Light	 LED Bulb	 Panel Light	 Spot Light	 PAR Light	 Downlight	 Street Light	 High Bay
0.2W	 2835	 2835HV	 2835			 2835		
0.5W		 2835  5630	 4014 & 4010	 1111	 1111	 2835		
1W		 2835	 2835	 3030  5050	 3030	 3030  2835	 3030  5050	 3030
				 1313	 1313	 1313	 1313	 1313

Specialty Lighting

Application Power	Full Spectrum				Fresh Goods	UV		Horticulture	RGB.W	1808
	Kaleidolite	Reading	Sunlight	Studio		Curing light	Sterilization		Landscape lighting	Electronic indication
0.2W									 2835	 1808
	 2835	 2835							 5054	
0.5W	 4014	 4014	 2835	 2835	 2835	 5050  2835	 2835	 2835		
1W	 3030							 3030	 5054	
						 3535	 3535	 3535		
>1W									 5054	

Product Specifications Summary

Device	Power	Voltage	Current	Flux (5000K) @Ra80	Ra	Zener	
2835	0.2W	3.0V	60mA	26-30lm	80/90	X	
				30-36lm			
			2.7V	65mA	38-40lm	80	X
	0.5W	3.0V	150mA	60-65lm	80/90	X/O	
				65-70lm			
				70-75lm	80		
				75-85lm			
	1W	6.0V	150mA	130-140lm	80/90	X	
				140-150lm			
				150-160lm	80		
				160-170lm			
	1W	9.0V	100mA	130-140lm	80/90	X	
				140-150lm			
				150-160lm	80		
				155-165lm			
				160-170lm			
HV 2835	0.5W	18V	30mA	70-75lm	80/90	X	
				75-80lm			
				80-85lm			
				85-90lm			
HV 2835	1W	18V	60mA	140-150lm	80/90	X	
				150-160lm			
				160-170lm	80		
				170-180lm			
HV 2835	1W	27V	30mA	110-120lm	80/90	X	
				120-130lm			
HV 2835	1W	36V	30mA	140-150lm	80/90	X	
				150-160lm	80		
				160-170lm			
				170-180lm			
HV 2835	0.5W	54V	20mA	145-155lm	80/90	X	
				155-165lm	80		
				165-175lm			
5630	0.5W	3V	150mA	60-70lm	80	O	
				68-78lm		O	
4014	0.2W	3V	60mA	28-30lm	80/90	X	
				30-34lm			
				34-36lm			
	0.5W	3V	150mA	65-70lm	80/90	X	
				70-75lm	80		
				75-80lm			
3030	1W	6V	150mA	135-145lm	80/90	X	
				140-150lm			
				150-160lm	70		
				160-170lm			
5050	1W	22V	45mA	215-225lm	70	X	
		5.4V	175mA	210-220lm			
	4.5W	6V	750mA	720-770lm	80		
				770-820lm	70		
				820-860lm			
	4.5W	9V	500mA	760-800lm	70		
	4W	24V	165mA	680-720lm	70		
	4.5W	36V	125mA	730-770lm	70		
CSP-1111	0.5W	3V	150mA	55-65lm	80	X	
CSP-1313	1W	3V	350mA	130-145lm	80	X	

0.2W Product Specifications

品质：不接受不良品、不制造不良品、不流出不良品

- Size : 2.8 x 3.5 mm
- Thickness : 0.65-0.7 mm



Advantages & Benefits

- High luminous efficiency for DLC 5.0/5.1 Premium product
- Compliant with both ANSI standard and IEC standard
- Optimal for Tube Lighting Module

Applications

- LED Tube Light
- Down Light
- Panel Light

P/N	Rated voltage[V]			Rated current[mA]		CCT (K)	CRI	Luminous flux[lm]		Luminous Efficacy [lm/W]
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Min.	Max.	Typ.
2835A03-XXH02-1S-D3	2.8	2.9	3.0	60	150	3000	80	26	28	155
						5000		28	30	156
2835A03-XXH02-1S-D4	2.8	2.9	3.0	60	150	3000	80	28	30	156
						5000		30	32	180
2835A03-XXH02-2P-D11	2.7	2.75	2.8	60	300	3000	80	30	32	185
						5000		32	34	200
2835A03-XXH02-2P-D14	2.7	2.72	2.75	60	300	3000	80	32	34	200
						5000		34	36	215
2835A03-XXH02-1S-D15	2.75	2.8	2.85	60	300	3000	80	32	33	195
						5000		34	36	208
2835A03-XXH02-2P-D22	2.7	2.72	2.75	60	300	3000	80	33	34	205
						5000		35	37	222

0.5W Product Specifications

- Size: 2.8 x 3.5 mm
- Thickness: 0.65-0.7mm



Advantages & Benefits

- High luminous efficiency meets DLC 5.0/5.1 Premium product
- Compliant with both ANSI standard and IEC standard
- Optimal for Tube Lighting Module

Applications

- LED Tube Light
- Spot Light
- Down Light
- Ceiling light

P/N	Rated voltage[V]			Rated current[mA]		CCT (K)	CRI	Luminous flux[lm]		Luminous Efficacy [lm/W]	
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Min.	Max.	Typ.@65mA	Typ.@150mA
2835A03-XXH05-2P-F6	2.8	2.9	3.0	150	180	3000	80	60	65	—	145
						5000		65	70	—	155
2835A03-XXH05-1S-F8	3	3.2	3.3	150	180	3000	80	65	70	—	140
						5000		70	75	—	150
2835A03-XXH05-2P-F16	2.8	2.85	2.9	150	300	3000	80	68	73	—	165
						5000		72	77	—	175
2835A03-XXH05-2P-F17	2.8	2.85	2.9	150	300	3000	80	70	75	—	170
						5000		75	80	—	185
2835A03-XXH05-2P-F18	2.8	2.85	2.9	150	300	3000	80	75	80	—	180
						5000		80	85	—	195
2835A03-XXH05-2P-F24	2.8	2.82	2.85	150	300	3000	80	80	85	—	195
						5000		85	90	—	205

1W Product Specifications

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- Size: 2.8 x 3.5 mm
- Thickness: 0.63-0.65 mm



Advantages & Benefits

- High luminous efficiency meets DLC 5.0/5.1 Premium product
- Small round LES for easy design of secondary optics
- Optimal for direct-lit panel light

Applications

- Direct-lit Panel Light
- Down Light
- LED Module

P/N	Rated voltage[V]			Rated current[mA]		CCT (K)	CRI	Luminous flux[lm]		Luminous Efficacy [lm/W]
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Min.	Max.	Typ.
2835A06-XXH10-2S-CT6	6.0	6.2	6.4	150	150	3000	80	130	140	145
						5000		140	150	155
2835A06-XXH10-2S2P-CT10	5.6	5.8	6.0	150	150	3000	80	135	145	160
						5000		145	155	172
2835A06-XXH10-2S2P-CT11	5.6	5.7	5.8	150	180	3000	80	145	155	175
						5000		155	165	187

3V/9V/18V/36V type are provided.

1W Product Specifications

- Size: 2.8 x 3.5 mm
- Thickness: 0.65-0.7 mm



Advantages & Benefits

- High luminous efficiency for DLC 5.0/5.1 Premium product
- Compliant with both ANSI standard and IEC standard
- Optimal for light bulb module

Applications

- LED Bulb
- Spot Light
- Down Light
- Ceiling Light

P/N	Rated voltage[V]			Rated current[mA]		CCT (K)	CRI	Luminous flux[lm]		Luminous Efficacy [lm/W]
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Min.	Max.	Typ.
2835A09-XXH10-3S-H18	8.8	9.1	9.4	100	120	3000	80	130	140	150
						5000		140	150	160
2835A09-XXH10-3S-H11	8.8	9.1	9.4	100	120	3000	80	135	145	155
						5000		145	155	165
2835A09-XXH10-3S-H10	8.7	9.0	9.3	100	120	3000	80	140	150	160
						5000		150	160	172
2835A09-XXH10-3S-H19	8.4	8.7	9	100	120	3000	80	145	155	170
						5000		155	165	183
2835A09-XXH10-3S-H20	8.4	8.5	8.7	100	120	3000	80	150	160	183
						5000		160	170	195

High Voltage Product Specifications 服务：聚焦客户关注的挑战和压力，提供有竞争力的 LED 解决方案和服务

- Size: 2.8 x 3.5 mm
- Thickness: 0.65-0.7 mm



Advantages & Benefits

- High Luminous Efficacy
- Compliant with both ANSI standard and IEC standard
- Optimal for high-voltage driving scheme

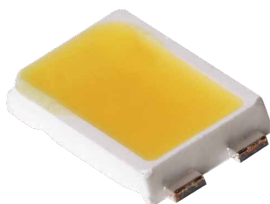
Applications

- Ceiling light
- Spot Light
- Down Light
- LED Bulb

P/N	Rated voltage[V]			Rated current[mA]		CCT (K)	CRI	Luminous flux[lm]		Luminous Efficacy [lm/W]
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Min.	Max.	Typ.
2835A18-XXH10-2P-E5	17	18.5	20	60	60	3000	80	155	165	145
						5000		165	175	155
2835A36-XXH10-2S-W5	35	37	39	30	35	3000	80	155	165	145
						5000		165	175	155
2835A54-XXH10-3S-X3	52	54	56	20	25	3000	80	155	165	145
						5000		165	175	155
2835A72-XXH10-3S-Y3	70	72	74	15	20	3000	80	155	165	145
						5000		165	175	155

0.5W 5630 Product Specifications

- Size: 5.6x 3.0 mm
- Thickness: 0.77 mm



Advantages & Benefits

- High luminous efficiency for DLC 5.0/5.1 Premium product
- Compliant with both ANSI standard and IEC standard
- Optimal for Tube Lighting Module

Applications

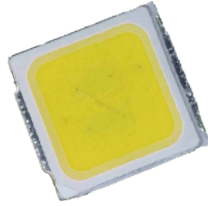
- LED Tube Light
- Panel Light
- Down Light
- LED Bulb

P/N	Rated voltage[V]			Rated current[mA]		CCT (K)	CRI	Luminous flux[lm]		Luminous Efficacy [lm/W]	
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Min.	Typ.	Typ.@65mA	Typ.@150mA
SOW5630-XX-H-G	2.8	3.1	3.2	150	180	3000	80	—	63	—	135
						5000		—	67	—	144
SOZ5630-XX-H-A1	2.6	3.1	3.3	150	200	3000	80	62	68	178	146
						5000		66	72	189	155
SOZ5630-XX-H-H1	2.6	2.8	3.0	65	200	3000	80	33	34	189	—
						5000		35	36	200	—

1W 3030 Product Specifications

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- Size: 3.0 x 3.2 mm
- Thickness: 0.6 mm



Advantages & Benefits

- High luminous efficiency for DLC 5.0/5.1 Premium product
- For industrial and specialty lighting
- Optimal for high power lighting module

Applications

- High Bay
- Spot Light
- Street lamp
- Project Light lamp

P/N	Rated voltage[V]			Rated current[mA]		CCT [k]	CRI	Luminous flux [lm]			Luminous Efficacy [lm/W]
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Min.	Typ.	Max.	Typ.@XXmA
3030A06-50H10-2S-C3	6.2	6.4	6.6	150	180	5000	80	135	140	145	145lm/W
3030A06-50H10-2S-C6	6.0	6.2	6.4					140	145	150	155lm/W
3030A06-50H10-2S-C4	6.0	6.2	6.4					145	150	155	160lm/W
3030A06-50H10-2S-C5	5.8	6.0	6.2					150	155	160	175lm/W
3030A06-50H10-2S2P-T8	5.5	5.6	5.7	150	300	5000	80	155	160	165	190lm/W
3030A06-50N10-2S2P-T9	5.5	5.6	5.7				70	165	170	175	202lm/W
3030A06-50N10-2S2P-T10	5.4	5.5	5.6				70	170	175	180	210lm/W

0.2W 4014 Product Specifications

- Size: 4.0 x 1.4 mm
- Thickness: 0.65 mm



Advantages & Benefits

- The Luminous efficiency meets DLC 5.0 Premium requirements
- Compliant with both ANSI standard and IEC standard
- Optimal for edge-lit Panel Light

Applications

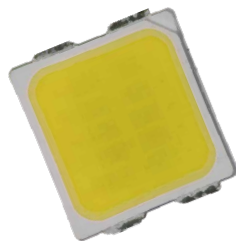
- LED Tube Light
- Panel Light
- Down Light

P/N	Rated voltage[V]			Rated current[mA]		CCT (K)	CRI	Luminous flux[lm]		Luminous Efficacy [lm/W]
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Min.	Typ.	Typ.
4014A03-XXH02-1S-L4	2.8	2.9	3.0	60	150	3000	80	28	30	165
						5000		30	32	180
4014A03-XXH02-1S-L5	2.8	2.85	2.9	60	150	3000	80	30	32	180
						5000		32	34	193
4014A03-XXH02-1S-L7	2.75	2.8	2.85	60	300	3000	80	31	33	190
						5000		33	35	202

1-5W 5050 High Efficacy Product Specifications

品质：不接受不良品、不制造不良品、不流出不良品

- Size : 5.0 x 5.0 mm
- Thickness : 0.7mm



Advantages & Benefits

- High luminous efficiency for DLC 5.0/5.1 Premium product
- Energy star binning system
- Low thermal resistance
- High temperature resistance

Applications

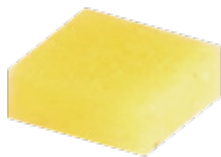
- High temperature resistance
- Street lamp
- Spot Light

P/N	Rated voltage[V]			Rated current [mA]		CCT [k]	CRI	Luminous flux [lm]			Luminous Efficacy [lm/W]
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Min.	Typ.	Max.	Typ.@XXmA
5050A06-XXN750-U2S5P-V2	6.0	6.2	6.4	750	1000	5000	70	820	840	860	180lm/W
5050A06-XXN750-U2S6P-V3	6.2	6.4	6.6				70	780	800	820	167lm/W
5050A09-XXN500-U3S4P-V11	9.0	9.2	9.4	500	600	5000	70	760	780	800	170lm/W
5050A24-XXN165-U8S1P-V21	24	25	26	165	200	5000	70	680	700	720	172lm/W
5050A24-XXN045-U8S1P-V21	21.5	22	22.5	45	200	5000	70	215	200	225	222lm/W
5050A36-XXN125-U2S5P-V31	36	37	38	125	150	5000	70	730	750	770	162lm/W

1W CSP1111 Product Specifications

服务：聚焦客户关注的挑战和压力，提供有竞争力的 LED 解决方案和服务

- Size: 1.10 x 1.10 mm
- Thickness: 0.45 mm



Advantages & Benefits

- Low $R_{th}(<4K/W)$
- Highest lm/W at mid and high drive current density
- Small size for more flexible application
- luminosity on five sides and at wider angles

Applications

- Video Light
- Torch Light
- General Light
- Automotive Illumination

Model NO.	Appl.	CCT/White	Forward Voltage(V)	Flux@150mA(lm)	Luminous Efficacy(lm/W)	Ra	Angle(°)
MCP1111	Genera	2700	2.8-3.1	51	113	80	140
		3000	2.8-3.1	53	118	80	140
		3500	2.8-3.1	55	122	80	140
		4000	2.8-3.1	58	122	80	140
		5000	2.8-3.1	58	129	80	140
		5700	2.8-3.1	60	133	80	140
		6500	2.8-3.1	58	129	80	140

1W CSP1313 Product Specifications

- Size: 1.30 x 1.30 mm
- Thickness:0.45 mm



Advantages & Benefits

- Low $R_{th}(<4K/W)$
- Highest lm/W at mid and high drive current density
- Small size for more flexible application
- luminosity on five sides and at wider angles

Applications

- Video Light
- Torch Light
- General Light
- Automotive Illumination

Model NO.	Appl.	CCT/White	Forward Voltage(V)	Flux@150mA(lm)	Luminous Efficacy(lm/W)	Ra	Angle(°)
MCP1313	Genera	2700	2.8-3.1	125	123	80	140
		3000	2.8-3.1	130	128	80	140
		3500	2.8-3.1	135	133	80	140
		4000	2.8-3.1	140	138	80	140
		5000	2.8-3.1	145	143	80	140
		5700	2.8-3.1	145	143	80	140
		6500	2.8-3.1	140	138	80	140

Ra98 Kaleidolite™ Series

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Ra 80



Ra 90



Ra 98

Advantages & Benefits

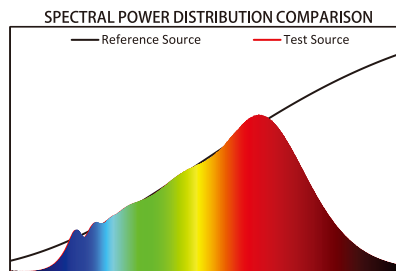
- High CRI/Rf/ Rg index (TM-30-18)
- R9 (Saturated red) > 90
- High efficiency
- High reliability

Applications

- Commercial lighting
- Galleries
- Household lighting
- Educational lighting
- Hospitals
- Museums

P/N	Rated voltage[V]		Rated current[mA]		Luminous flux[lm]		Luminous Efficacy [lm/W]	CCT[k]	CRI	Rf	Rg
	Min.	Max.	Typ.	Max.	Min.	Typ.	Typ.	Typ.	Typ.	Min.	Min.
SOW2835-XX-F-B1	2.8	3.2	150	180	42	53	110@5000K	2700-6500	98±2	90	98
SOW4014-XX-F-A1	2.8	3.2	150	180	50	56	117@5000K				
MC-19AA-XXX-F-1208-B	33.6	40.8	720	1200	2700	2900	120@3000K				
MC-13AA-XXX-F-0308-B	8.4	10.2	960	1200	880	950	118@3000K				

Eye protection Series



Advantages & Benefits

- Eye safety
- High color rendering index
- Promotes awareness and focus

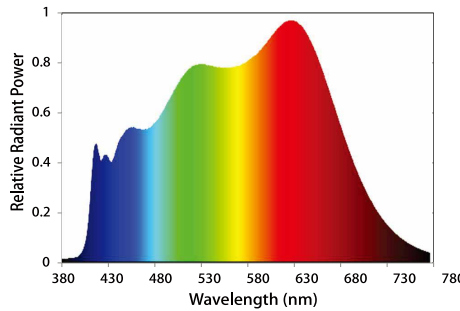
Applications

- Desk lamp
- Reading lamp
- Floor lighting
- Panel lamp

P/N	Rated voltage[V]		Rated current[mA]		Luminous flux[lm]		Luminous Efficacy [lm/W]	CCT[k]	CRI	Rf	Rg
	Min.	Max.	Typ.	Max.	Min.	Typ.	Typ.	Typ.	Typ.	Min.	Min.
SSW2835-XX-R-F	5.6	6.0	30	90	22	24	145@30mA	5000	97±2	90	98
SOM2835-XX-R-PF	2.7	2.9	60	150	22	24	145@60mA	5000	97±2	90	98
SOM2835-XX-R-PF2	2.7	2.9	60	150	25	26	160@60mA	5000	97±2	90	98
SOW4014-XX-R-PF2	2.7	2.9	60	150	20	23	140@60mA	5000	97±2	90	98
STH2835-XX-R-G	8.5	9.4	100	120	103	108	120@100mA	5000	97±2	90	98

SunLike Series

品质：不接受不良品、不制造不良品、不流出不良品



Advantages & Benefits

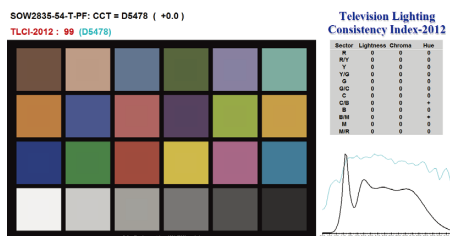
- High color fidelity Rf
- Proper color gamut Rg
- Low proportion of harmful blue light

Applications

- Commercial lighting
- Medical lighting
- Plant lighting

P/N	Rated voltage[V]		Rated current[mA]		CCT[k]	Luminous Efficacy [lm/W]	Luminous flux[lm]		CRI	Rf	Rg
	Min.	Max.	Typ.	Max.	Typ.	Typ	Min.	Typ.	Typ.	Min.	Min.
SOM2835-XX-V-A	2.9	3.3	65	150	5000	115@65mA	18	22	98±2	93	98

Studio Lighting Series



Advantages & Benefits

- High CRI/Rf/ Rg index (TM-30-15)
- R1-R15 > 90
- High TLCI index

Applications

- Studio lighting
- Film production lighting
- Framing projectors
- Cinematography

P/N	Rated voltage[V]		Rated current[mA]		CCT[k]	CRI	Rf	Rg	TLCI	Luminous flux[lm]		Luminous Efficacy [lm/W]
	Min.	Max.	Typ.	Max.	Typ.	Typ.	Min.	Min.	Typ.	Min.	Typ	Typ.@150mA
SOW2835-XX-T-PF	2.8	3.2	150	180	3200	98±2	90	98	97	40	48	96
					5600				99	42	53	106
EOW2016-02-5070-F-A	2.8	3.2	150	350	5000-6000				—	—	45	—
MC-28AA-XXX-T-0825-B	22	23	2430	3600	3200				97	6120	6800	123
					5600				99	6480	7200	130

- TLCI: Television Lighting Consistency Index (EBU)
- High TLCI (98±2) value indicates to the excellent color performance of the TV camera output screen

Human-centric lighting —— “Good morning”

技术：技术创新是我们取得优势的条件

- Size : 2.8 x 3.5 mm
- Thickness: 0.65-0.7 mm

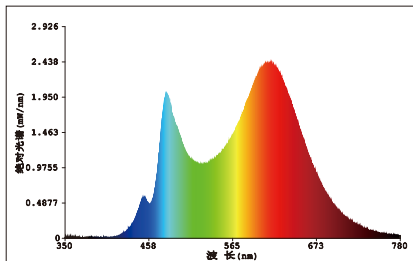


Advantages & Benefits

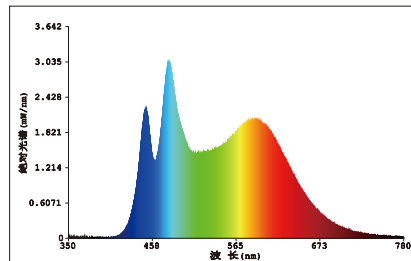
- Human-centric lighting
- High Melanopic/photopic ratio

Applications

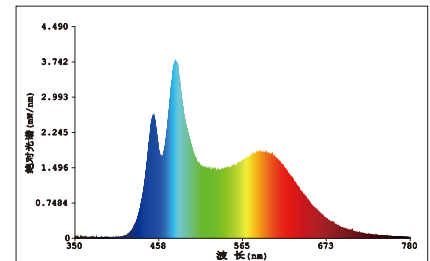
- Reading light
- Laboratory lighting
- Education lighting



3000k



5000k



6500k

P/N	Rated voltage[V]	Rated current[mA]		CCT[V]	CRI	Luminous flux[lm]		Luminous Efficacy[lm/W]
	Typ.	Typ.	Max.	Typ.	Typ.	Min.	Typ.	Typ
GM30H-1	6	150	180	3000	80	100	110	120
GM50H-1	6	150	180	5000	80	115	125	130
GM65H-1	6	150	180	6500	80	105	115	125

Full Spectrum Product

Human-centric lighting —— “Good night”

品质：不接受不良品、不制造不良品、不流出不良品

- Size : 2.8 x 3.5 mm
- Thickness: 0.63-0.65mm

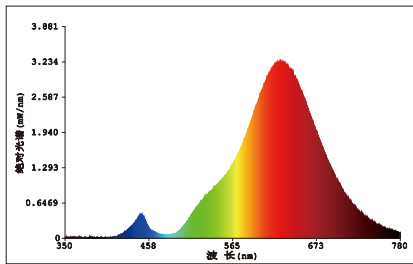


Advantages & Benefits

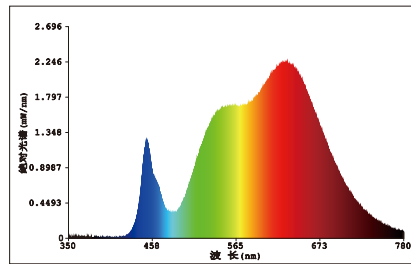
- Human-centric lighting
- Low Melanopic/photopic ratio

Applications

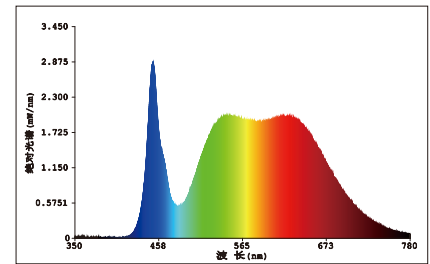
- Sleeping lamp
- Home lighting
- Hotel lighting



1800k



3000k



4000k

P/N	Rated voltage[V]	Rated current[mA]		CCT[k]	CRI	Luminous flux[lm]		Luminous Efficacy[lm/W]
	Typ.	Typ.	Max.	Typ.	Typ.	Min.	Typ.	Typ
GN18H-1	6	150	180	1800	80	95	105	115
GN30H-1	6	150	180	3000	80	100	110	125
GN40H-1	6	150	180	4000	80	120	130	140

1W 5054 UV Product Specifications

服务：聚焦客户关注的挑战和压力，提供有竞争力的 LED 解决方案和服务

- Size : 5.0 x 5.4 mm
- Thickness :3.1 mm



Advantages & Benefits

- High power, fast curing efficiency
- Solar UV light, 365-395nm dual wavelength
- Small Angle, high power

Applications

- Nail lamp
- Curing light
- Money detector
- The sterilization lamp
- Mosquito lamp
- Led Bulb
- The stage lights
- Clothing lights

P/N	Rated voltage[V]			Rated current[mA]		Peak wavelength (nm)	Radiant Flux (mW)		Viewing Angle 2θ 1/2
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Max.	Typ.
5054U07-10C65L12-A3S-016	6.6	7.0	7.2	100	110	365-370	250	400	120
						395-400			
5054U03-10C65L12-A3P-016	3.2	3.6	3.8	200	220	365-370	250	400	120
						395-400			
5054U03-10C95L12-P3P-008	3.2	3.6	3.8	300	300	395-400	450	600	120

0.5W 2835 UV Product Specifications

- Size : 2.8 x 3.5 mm
- Thickness :0.7 mm



Advantages & Benefits

- High power
- Eye-safe,405nm wavelength

Applications

- Visible light sterilization

P/N	Rated voltage[V]			Rated current[mA]		Peak wavelength (nm)	Radiant Flux (mW)		Viewing Angle 2θ 1/2
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Typ.	Typ.
SNV2835-FW-TA	3.4	3.6	3.8	150	180	405	160	180	120

0.5W 2835 UV Product Specifications

技术：技术创新是我们取得优势的条件

- Size : 2.8 x 3.5 mm
- Thickness :1.65 mm



Advantages & Benefits

- High power, fast curing efficiency
- Solar UV light, 365-395nm dual wavelength
- Small Angle, high power

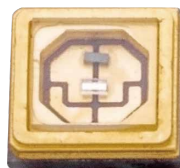
Applications

- Nail lamp
- Curing light
- Money detector
- The sterilization lamp
- Mosquito lamp
- Led Bulb
- The stage lights
- Clothing lights

P/N	Rated voltage[V]			Rated current[mA]		Peak wavelength (nm)	Radiant Flux (mW)		Viewing Angle 2θ 1/2
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Max.	Typ.
2835U03-05C65D12-P3-009	3.6	3.8	4.0	150	150	365-370	90	150	120
2835U03-05C95D12-P3-008	3.2	3.4	3.8	150	150	395-400	160	210	120
2835U03-05C65L12-P3Z-009	3.6	3.8	4.0	150	150	365-370	150	200	120
2835U03-05C95L12-P3-008	3.2	3.4	3.8	150	150	395-400	250	300	120

UVC Series

- Size : 3.5 x 3.5 mm
- Thickness :1.53 mm



Advantages & Benefits

- Deep UV LED with emission wavelength between- 270nm to 285nm
- Compatible with reflow soldering process
- High reliability

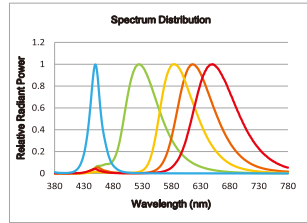
Applications

- Water sterilization
- Surface sterilization

P/N	Rated voltage[V]			Rated current[mA]		Peak wavelength (nm)	Radiant Flux (mW)		Viewing Angle 2θ 1/2
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Typ.	Typ.
YM36UVC02-002	5.0	6.0	7.0	20	100	275	1.5	2.5	120
YM36UVC02-003	5.0	6.0	7.0	20	100	275	1.5	2.5	120
	3.0	3.2	3.4	20	120	400	15	25	
YM36UVC10-001	5.0	6.0	7.0	100	150	275	8	10	120

Color LED Series

品质：不接受不良品、不制造不良品、不流出不良品



Advantages & Benefits

- High Luminous Efficacy
- High reliability

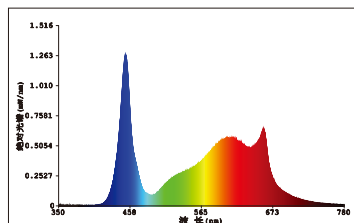
Applications

- LED Tube Light
- Panel Light
- LED Bulb

P/N	Rated voltage[V]			Rated current[mA]		Peak Wavelength[nm]	Luminous flux[lm]	Luminous Efficacy [lm/W]
	Min.	Typ.	Max.	Typ.	Max.			
SSW2835-B450-H	5.6	5.8	6.0	60	80	452	7	20
SSW2835-G525-H	5.6	5.8	6.0	60	80	525	71	200
SSW2835-O585-H	5.6	5.8	6.0	60	80	584	53	151
SSW2835-O620-H	5.6	5.8	6.0	60	80	614	27	77
SSW2835-R650-H	5.6	5.8	6.0	60	80	648	11	33

3V/9V/18V/36V type are provided.

Fresh Goods series



Advantages & Benefits

- Design for fresh food lighting
- Display the freshness of meat and fruit
- Improve the appeal of fresh food to customers

Applications

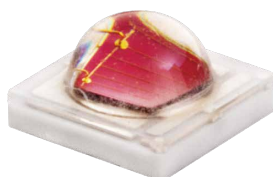
- Supermarket fresh food display lighting
- Fresh food display lighting
- Supermarket fresh area lighting

P/N	Rated voltage[V]			Rated current[mA]		CCT[k]	R9	Luminous flux[lm]		Luminous Efficacy [lm/W]
	Min.	Typ.	Max.	Typ.	Max.			Min.	Typ.	
2835B Series	2.8	2.9	3.1	65	150	---	---	10	12	65
2835K Series	2.8	2.9	3.1	65	150	---	---	16	18	96
2835E Series	3.1	3.2	3.4	150	180	---	---	46	49	102
2835R Series	3.1	3.2	3.4	150	180	---	---	46	49	102
BR02FR Series	18	19	20	10	15	3300	70	23	24.5	130

Horticulture Lighting Series

服务：聚焦客户关注的挑战和压力，提供有竞争力的 LED 解决方案和服务

- Size: 3.5x 3.5mm
- Thickness: 2 mm



Advantages & Benefits

- High Photon Flux Efficiency
- High reliability

Applications

- Horticulture Lighting

P/N	Rated voltage[V]			Rated current[mA]		Peak Wavelength(nm)	Photon Flux Efficiency ($\mu\text{mol/J}$)
	Min.	Typ.	Max.	Typ.	Max.	Typ.	Typ.@350mA
MOH3535-PL-R660-C	1.9	2.1	2.3	350	1000	660	3.5
MOH3535-PL-R660-D	1.9	2.1	2.3	350	1000	660	4.1
MOH3535-PL-B450-A	2.8	3.0	3.2	350	1000	450	2.5
MOH3535-PL-FR730-A	1.9	2.1	2.3	350	700	730	3.0

Horticulture Lighting Series

- Size: 3.0 x 3.0 mm
- Thickness: 0.6 mm



Advantages & Benefits

- Customization Spectrum
- High Photon Flux Efficiency
- High reliability

Applications

- Horticulture Lighting

P/N	Rated voltage[V]			Rated current[mA]		Photon Flux Efficiency($\mu\text{mol/J}$)	Applications
	Min.	Typ.	Max.	Typ.	Max.		
STH3030-PL-OWOX-B	8.4	8.6	8.8	100	120	>2.4	Leaf Vegetable
STH3030-PL-NUOA-B	8.4	8.6	8.8	100	120	>2.4	Fruit
STH3030-PL-BL	8.4	8.6	8.8	100	120	>2.4	Cash crop
STH3030-PL-BS	8.4	8.6	8.8	100	120	>2.4	Cash crop

0.2W/0.5W 5050RGB Product Specifications

品质：不接受不良品、不制造不良品、不流出不良品

- Size: 5.0 x 5.4 mm
- Thickness::1.60 mm



Advantages & Benefits

- Three RGB chip packaging can be independently controlled
- High-luminous effect, Good mixed light effect, high-stability
- Different Pin positions can be customized according
- Moisture-resistant grade MSL2a

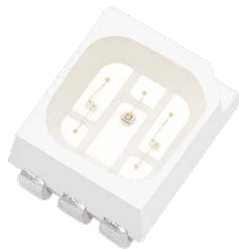
Applications

- Indicators
- landscape lighting
- Decorating and entertainment lighting
- Illumination
- Signage and channel letter
- Architectural lighting

Model No	Color	Forward Voltage (V)	Current (mA)	Wavelength (nm)	Flux (lm)
5050RGB02-02-UT16-F01	RED	2.0-2.3V	20mA	619-625	2.0-3.0 lm
	Green	2.8-3.2V		520-525	5.0-8.0 lm
	Blue	2.8-3.2V		465-470	1.0-2.0 lm
5050RGB05-06-UT16-F01	RED	2.0-2.4V	60mA	619-625	8.0-12.0 lm
	Green	3.2-3.6V		520-525	18.0-22.0 lm
	Blue	2.8-3.2V		465-470	3.0-5.0 lm

0.2W 2835RGB Product Specifications

- Size:2.8 x 3.5 mm
- Thickness: 1.10mm



Advantages & Benefits

- Three RGB chip packaging can be independently controlled
- High-luminous effect, Good mixed light effect, high-stability
- Different Pin positions can be customized according
- Moisture-resistant grade MSL2a

Applications

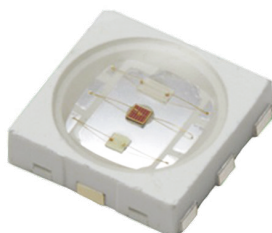
- Indicators
- landscape lighting
- Decorating and entertainment lighting
- Illumination
- Signage and channel letter
- Architectural lighting

Model No	Color	Forward Voltage (V)	Current (mA)	Wavelength (nm)	Flux (lm)
2835RGB02-02-UT11-R01	RED	2.0-2.3V	20mA	619-625	2.0-3.0 lm
	Green	2.6-3.2V		520-525	5.0-8.0 lm
	Blue	2.8-3.2V		465-470	1.0-2.0 lm

1.5W 5054RGB Product Specifications

品质：不接受不良品、不制造不良品、不流出不良品

- Size: 5.0x 5.4 mm
- Thickness: 1.10mm



Advantages & Benefits

- Three RGB chip packaging can be independently controlled
- High-luminous effect, Good mixed light effect, high-stability
- Different Pin positions can be customized according
- Moisture-resistant grade MSL2a

Applications

- Indicators
- landscape lighting
- Decorating and entertainment lighting
- Illumination
- Signage and channel letter
- Architectural lighting

Model No	Color	Forward Voltage (V)	Current (mA)	Wavelength (nm)	Flux (lm)
5054RGB15-15-UT11-F01	RED	2.0-2.3V	150mA	619-625	18.0-22.0 lm
	Green	3.0-3.4V		520-525	38.0-44.0 lm
	Blue	2.8-3.2V		465-470	8.0-12.0 lm

1.5W 5054RGB Product Specifications

- Size: 5.0x 5.4 mm
- Thickness: 1.05mm



Advantages & Benefits

- Three RGB chip packaging can be independently controlled
- High-luminous effect, Good mixed light effect, high-stability
- Different Pin positions can be customized according
- Moisture-resistant grade MSL2a

Applications

- Indicators
- landscape lighting
- Decorating and entertainment lighting
- Illumination
- Signage and channel letter
- Architectural lighting

Model No	Color	Forward Voltage (V)	Current (mA)	Wavelength (nm)	Flux (lm)
5054RGB15-15-UT10-F01	RED	2.0-2.3V	150mA	619-625	18.0-22.0 lm
	Green	3.0-3.4V		520-525	38.0-44.0 lm
	Blue	2.8-3.2V		465-470	8.0-12.0 lm

0.25W 5054RGB.W Product Specifications

技术：技术创新是我们取得优势的条件

- Size: 5.0x 5.4 mm
- Thickness:1.60 mm



Advantages & Benefits

- RGB.W can be independently controlled
- High-luminous effect, Good mixed light effect, high-stability
- Different Pin positions can be customized according
- Moisture-resistant grade MSL2a

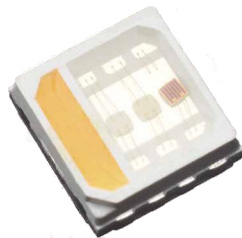
Applications

- Indicators
- landscape lighting
- Decorating and entertainment lighting
- Illumination
- Signage and channel letter
- Architectural lighting

Model No	Color	Forward Voltage (V)	Current (mA)	Wavelength (nm)	Flux (lm)
5050RGBW02-XXH02-UT16-WF01	RED	2.0-2.3V	20mA	619-625	2.0-3.0 lm
	Green	2.8-3.2V		520-525	5.0-8.0 lm
	Blue	2.8-3.2V		465-470	1.0-2.0 lm
	White	2.8-3.2V		2700K-6500K	6.0-9.0 lm

2.0W 5054RGB.W Product Specifications

- Size: 5.0x 5.4 mm
- Thickness: 1.10 mm



Advantages & Benefits

- RGB.W can be independently controlled
- High-luminous effect, Good mixed light effect, high-stability
- Different Pin positions can be customized according
- Moisture-resistant grade MSL2a

Applications

- Indicators
- landscape lighting
- Decorating and entertainment lighting
- Illumination
- Signage and channel letter
- Architectural lighting

Model No	Color	Forward Voltage (V)	Current (mA)	Wavelength (nm)	Flux (lm)
5054RGBW20-XXH15-UT11-WF01	RED	2.0-2.4V	150mA	619.0-625.0	18.0-24.0 lm
	Green	3.0-3.4V		520.0-525.0	38.0-46.0 lm
	Blue	2.8-3.2V		465.0-470.0	8.0-12.0 lm
	White	2.8-3.2V		2700K-6500K	45.0-55.0 lm

1808 Product Specifications

技术：技术创新是我们取得优势的条件

- Size : 1.76 x 0.8 mm
- Thickness : 0.53 mm



Advantages & Benefits

- High efficiency
- High reliability
- High color consistency
- Low thermal resistance
- Common Package Design

Applications

- LED back light
- Electronic switch indication
- Display
- Buttons backlight
- Mobile phone digital products

P/N	Rated current[mA]	Rated voltage[V]	Luminous flux[mcd]	Dominant wavelength[nm]	Viewing Angle[°]	color
		Typ.	Typ.		Typ.	
SMD1808-R-625-C-XX (MP)	20	2.0	90	620-630	120	Red
SMD1808-Y-570-C-X (MP)	20	2.1	40	565-575		Yellow
SMD1808-B-455-C-X (MP)	20	3.2	300	450-460		Blue

P/N	Rated current[mA]	Rated voltage[V]	Luminous flux[mcd]	CRI	Viewing Angle[°]	CIE(X,Y)
		Typ.	Typ.		Typ.	
SMD1808-CW-N-G1 (RD)	20	3.0-3.1	2200	70	120	0.27 ; 0.27
SMD1808-CW-H-R1 (RD)	20		1900	80		0.25 ; 0.24
SMD1808-CW-H-J1 (RD)	20		2000	80		0.26 ; 0.26

企业愿景

用创新改变世界，使世界更光明。

企业使命

成为顾客心目中 LED 技术方面的领导者；

我们积极致力于器件、模组及制造技术方面的知识提升；

聚焦客户关注的挑战和压力，提供有竞争力的 LED 解决方案和服务；

核心价值

诚信 务实 创新 共赢

质量方针

精益求精 顾客第一

诚信务实 改善创新

经营理念

共赢是我们追求的目标；

员工是我们最大的生力军；

客户居于我们最优先的位置；

合作是我们共同发展的未来；

创新是我们取得优势的条件；

行动是我们达成业绩的关键；



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