

深圳市光脉电子有限公司

SHENZHEN GUANGMAI ELECTRONICS CO.,LTD.

地址：深圳市宝安区松岗燕罗街道广田路96号光脉科技园

电话：0755-23499599 传真：0755-29115588

QQ：2850636558 邮箱：2850636558@qq.com

联系人：叶先生 18923790101

网址：www.szgmled.com

www.gmleds.com

Address: Guangmai Technology Park, NO.96 Guangtian Road,
Yanluo Street, Baoan District, Shenzhen

Tel: 0086-0755-23499599 Fax: 0086-0755-29115588

QQ: 2850636558 E-mail: 2850636558@qq.com

Contact: Bill Ye 0086-18923790101

Website: www.szgmled.com

www.gmleds.com



LED 光源

GMKJ LED



精品光源·光脉封装



- 中国LED首创企业 — China's Pioneering LED Enterprise
- 国家高新技术企业 — National High-tech Enterprise
- 中国LED照明百强企业 — Top 100 Chinese LED Lighting Enterprises
- 深圳专精特新企业 — Shenzhen Specialized and Innovative Enterprise
- 深圳半导体封装十佳企业 — Top 10 Semiconductor Packaging Enterprises in Shenzhen
- 深圳照明显示工程副会长单位 — Vice President Unit of Shenzhen Lighting Display Engineering
- 深圳中小企业促进会常务副会长单位 — Executive Vice President Unit of Shenzhen Small and Medium sized Enterprise Promotion Association

关于光脉 ABOUT GUANGMAI



光脉科技是一家专注于半导体封装器件集研发、生产与销售于一体的制造型企业。旗下拥有深圳市光脉电子有限公司、深圳市光脉科技有限公司、光脉科技（香港）有限公司、欧凯光科（深圳）半导体有限公司，形成了强大的企业集团。

技术创新是光脉科技的核心动力，公司拥有68项技术专利，并参与了2项国家级标准和多项团体标准的起草，体现了其在行业标准和创新方面的领导力。

Guangmai Technology is a manufacturing enterprise specializing in the research and development, production, and sales of semiconductor packaging devices. It owns Shenzhen Guangmai Electronics Co., Ltd., Shenzhen Guangmai Technology Co., Ltd., Guangmai Technology (Hong Kong) Co., Ltd., and Oukai Guangke (Shenzhen) Semiconductor Co., Ltd., forming a strong enterprise group.

Technological innovation is the core driving force of Guangmai Technology. Our company has 68 technology patents and has participated in the drafting of 2 national standards and multiple group standards, demonstrating its leadership in industry standards and innovation.



目录

CONTENTS



市场应用	1-21
通用照明 General Lighting	1-6
植物补光 Plant Grow Lighting	7-10
景观亮化/舞台摄影 Landscape & Stage Photography Lighting	11-14
非视觉光源 Non-Visual LED	15-19
医疗美容 Medical Aesthetics	20-21
光脉产品系列 (详细目录见22页)	22-31
欧凯产品系列 (详细目录见32页)	32-44
附件	45-48

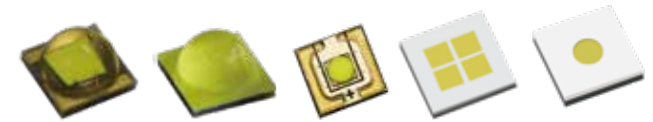
1、通用照明 General Lighting

- LM-80认证
LM-80 Approved
- 色温:1600-20000k均可定制
CCT: Customizable from 1600K to 20000K
- 功率 (Power):
陶瓷1-80w (Ceramic LEDs: 1W-80W)
贴片0.2-5w (SMD LEDs: 0.2W-5W)
- 光效 (Luminous Efficacy):
陶瓷3535最高220lm/W (Ceramic 3535 up to 220 lm/W)
EMC5050最高260lm/W (EMC 5050 up to 260 lm/W)
EMC3030最高240lm/W (EMC 3030 up to 240 lm/W)
- 显指:70-98均可定制
CRI: Customizable from 70 to 98
- 通用于各照明领域
Suitable for all general lighting fields





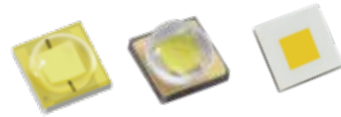
1.2 陶瓷5050 Ceramic 5050



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光通量(lm) FLUX	发光颜色 Color
GD-5050WXXX-1CC0-G3H0	5.0*5.0	10	3000	3.2-3.8	3000-7000	1000-1400	W
GD-5050WXXX-4BC0-S1C8	5.0*5.0	10	3000	3.0-3.6	3000-7000	900-1200	W
GD-5050WXXX-4BD0-S1E5	5.0*5.0	20	6000	3.2-3.8	3000-7000	2000-3000	W
GS-5050WXXX-4BD-S1E5	5.0*5.0	20	6000	3.0-3.6	3000-7000	1600-2600	W
GD-5050WXXX-1CC1-S1G3YBP	5.0*5.0	15	5000	3.6-4.2	3000-10000	2000-2500	W
GD-5050WXXX-1CC1-S1G3YB	5.0*5.0	15	5000	3.6-4.2	3000-10000	2000-2500	W

1.1 陶瓷3535 / 陶瓷3030 Ceramic 3535/Ceramic 3030

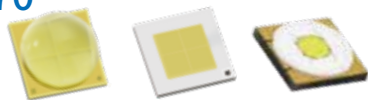
- $\angle 30^{\circ}/60^{\circ}/80^{\circ}/90^{\circ}/120^{\circ}$



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光通量(lm) Flux	发光颜色 Color
GT-3535WXXX-1CC0-S1C8	3.5*3.5	1	350	2.8-3.4	2800-7000	140-170	W
	3.5*3.5	3	1000	3.2-3.6	2800-7000	350-400	W
GD-3535WXXX-1CD0-S1E5	3.5*3.5	1	350	2.8-3.4	2800-7000	170-220	W
	3.5*3.5	5	2000	3.2-3.6	2800-7000	700-800	W
GT-3535WXXX-1CD0-S1D0	3.5*3.5	1	350	2.8-3.4	2800-7000	160-190	W
	3.5*3.5	3	1200	3.2-3.6	2800-7000	450-550	W
GT-3030WXXX-1CC0-S1D8	3.0*3.0	1	350	2.8-3.4	2800-7000	140-170	W
	3.0*3.0	3	1000	3.2-3.6	2800-7000	350-400	W
GD-3535WXXX-1CD-S1G7	3.5*3.5	10	3000	3.0-3.4	2800-7000	1000-1500	W

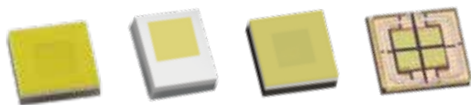


1.3 陶瓷7070 Ceramic 7070



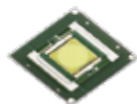
产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光通量(lm) FLUX	发光颜色 Color
GD-7070WXXX-2C2D-S2G7	7.0*7.0	40	6000	6.0-6.4	3000-7000	5000-7000	W
GD-7070WXXX-2C2D0-S2G7	7.0*7.0	40	6000	6.0-6.4	3000-7000	4000-5000	W
GD-7070WXXX-1CC1-G3L0YP	7.0*7.0	45	7000	6.0-6.4	6000-7000	4500-5000	W

1.4 陶瓷1414/2016/2020/6065 Ceramic 1414/2016/2020/6065



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光通量(lm) FLUX	发光颜色 Color
GD-1414WXXX-1BD-S1D0P	1.4*1.4	1-3	1000	3.0-3.4	3000-7000	200-300	W
GD-2016WXXX-1BD-S1D0P	2.0*1.6	1-3	700	3.0-3.4	6000-7000	200-300	W
GD-2020WXXX-1BD-S1E5P	2.0*2.0	1-5	1500	3.0-3.4	3000-7000	300-400	W
GD-6065WXXX-4BC-S1E7F3B	6.0*6.5	60-70	20000	3.0-3.4	6000-7000	6000-7000	W

1.5 陶瓷100110 Ceramic 100110

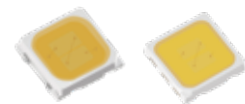


产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光通量(lm) FLUX	发光颜色 Color
GD-100110WXXX-1CC-G3L0	11*10	50	8000	6.0-6.4	6000-7000	5000-6000	W



1.6 EMC/PCT3030

- LM-80认证
LM-80 Approved
- 显指:70-98均可定制
CRI: Customizable from 70 to 98
- 色温:1600-20000k均可定制
CCT: Customizable from 1600K to 20000K
- 光效:EMC3030最高240lm/W
Luminous Efficacy: EMC 3030 up to 240 lm/W



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光效(lm/w) FLUX	发光颜色 Color
GC-3030WXXX-2CZ-P1B2D0	3.0*3.0	1	150	5.8-6.4	2800-7000	170-190	W
GC-3030WXXX-2BZ-J2B2D0	3.0*3.0	1	350	3.0-3.4	2800-7000	160-180	W
GE-3030WXXX-2C2Z-J2B2D0	3.0*3.0	1	150	5.4-5.8	2800-7000	200-240	W

1.7 EMC5050

- LM-80认证
LM-80 Approved
- 功率:1-5w
Power:1-5W
- 色温:1600-20000k均可定制
CCT: Customizable from 1600K to 20000K
- 光效:EMC5050最高260lm/W
Luminous Efficacy: EMC 5050 up to 260 lm/W
- 显指:70-98均可定制
CRI: Customizable from 70 to 98
- 路灯工程项目首选
Best Choice for Street Lighting Projects



产品型号 LED Part NO.	显指 Ra	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	色温 (K) CCT	光效 (lm/w) FLUX	发光颜色 Color
GE-5050WXXX-4C2Z-Q1B2D0	70	1-5	45-200	5.8-6.2	2800-7000	260	W
GE-5050WXXX-4C2Z-J2B2D0	80	1-5	45-200	5.8-6.2	2800-7000	200	W
GE-5050WXXX-4C2Z-J2B2D0	90	1-5	45-200	5.8-6.2	2800-7000	180	W

1.8 2835白光全光谱
2835 White Full Spectrum LED

- LM-80认证
LM-80 Approved
- 显指:95以上
CRI>95+
- 使用于护眼台灯,教室灯等健康照明领域
Used in Eye-Caring Desk Lamps, Classroom Lighting,
and Other Health Lighting Applications
- 色温:3000-6000k均可定制
CCT: Customizable from 3000K to 6000K
- 高色域指数,高保真指数
High Color Gamut Index, High Fidelity Index



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	显指 Ra	色温 (K) CCT	光通量 (lm) FLUX	发光颜色 Color
GC-2835WXXX-1CZ-L20-RQ9	2.8*3.5	0.2	60	3.0-3.4	98	2800-7000	20-30	W
GC-2835WXXX-1CZ-L50-RQ9	2.8*3.5	0.5	150	3.0-3.4	98	2800-7000	50-70	W

2、植物补光 Plant Grow Lighting

- 发光角度:陶瓷3535提供30°, 60°, 90°, 120°
Ceramic 3535 Lighting angle: 30°, 60°, 90°, 120°
- 高PPE值:陶瓷3535 660nm 5.0μmol/J
High PPE: Ceramic 3535 660nm up to 5.0 μmol/J
- PCT3030 白光3.4μmol/J
PCT 3030 white up to 3.4 μmol/J
- 主要光谱为:320nm, 450nm 660nm 730nm 白光
Key Wavelengths: 320nm, 450nm, 660nm, 730nm, and full-spectrum white
- 全光谱,可根据苗期、生长、开花、结果不同阶段定制服务
Full spectrum available;Customization services for different stages from seedling, Growth,
Flowering to Fruiting





2.1 陶瓷3535 / 陶瓷3030 ceramic 3535/ceramic 3030

- 发光角度:60°/90°/120°
Lighting angle:60°/90°/120°
- 红光产品PPE 5.0 μmol/J
Red led PPE max 5.0 μmol/J



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	色温/波长 (nm) Wavelength	PPE (μmol/J) PPE	发光颜色 Color
GT-3535B450	3.5*3.5	1-3	350	3.0-3.4	450	2.0-2.8	B
GT-3535R660	3.5*3.5	1-3	350	2.0-2.2	660	3.0-5.0	DR
GT-3535R730	3.5*3.5	1-3	350	1.6-2.0	730	400mw	FR
GT-3535W400	3.5*3.5	1-3	350	3.0-3.4	4000K	2.8-3.1	W
GT-3535W600	3.5*3.5	1-3	350	3.0-3.4	6000K	2.8-3.1	W
GT-3535W300	3.5*3.5	1-3	350	3.0-3.4	3000K	2.8-3.1	W
GF-3535W600	3.5*3.5	1-3	350	3.0-3.4	6000K	2.8-3.1	W
GT-3030B450	3.0*3.0	1-3	350	3.0-3.4	450	2.0-3.0	B
GT-3030R660	3.0*3.0	1-3	350	2.0-2.2	660	3.0-5.0	DR
GT-3030R730	3.0*3.0	1-3	350	1.6-2.0	730	400mw	FR

2.2 2835

- 发光角度:120°
Lighting angle: 120°
- 红光产品PPE 2.5 μmol/J
Red led PPE max 2.5 μmol/J
- 0.2w, 0.5w, 1w三种不同功率
0.2w, 0.5w, 1w to meet different lighting requirements



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	色温/波长 (nm) Wavelength	PPE (μmol/J) PPE	发光颜色 Color
GC-2835B450	2.8*3.5	0.2	60	3.0-3.4	450	2.0-2.2	B
GC-2835R660	2.8*3.5	0.2	60	2.0-2.4	660	2.2-2.4	DR
GC-2835R730	2.8*3.5	0.2	60	1.6-2.0	730	50mw	FR
GC-2835B450	2.8*3.5	0.5	150	3.0-3.4	450	2.0-2.2	B
GC-2835R660	2.8*3.5	0.5	150	2.0-2.4	660	2.2-2.4	DR
GC-2835R730	2.8*3.5	0.5	150	1.6-2.0	730	100mw	FR
GC-2835B450	2.8*3.5	1	300	3.0-3.4	450	2.0-2.2	B
GC-2835R660	2.8*3.5	1	300	2.0-2.4	660	2.2-2.4	DR
GC-2835R730	2.8*3.5	1	300	1.6-2.0	730	200mw	FR





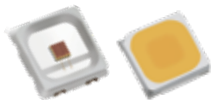
3、景观亮化/舞台摄影

Landscape & Stage Photography Lighting

- 发光角度:陶瓷3030提供80°, 120°
Ceramic 3030 Lighting angle:80°, 120°
- 陶瓷3535提供平面, 30°, 60°, 90°, 120°
Ceramic 3535: Flat PKG, 30°, 60°, 90°, 120°
- 陶瓷5050提供平面, 60°, 120°
Ceramic 5050: Flat PKG, 60°, 120°
- 功率: 单芯0.5-20w
Power: Single-chip LEDs ranging from 0.5W to 20W
- 颜色: 450-630nm, 油菜黄, 琥珀光, 粉红, 紫罗兰等各种颜色均可定制
Color Options: Customizable wavelengths from 450nm to 630nm, including canola yellow, amber, pink, violet, and other special colors

2.3 3030 (EMC/PCT)

- 发光角度: 60-120°
Lighting angle: 60-120°
- 红光产品PPE 4.4 μmol/J
Red led PPE max 4.4 μmol/J



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温/波长(nm) Wavelength	PPE (μmol/J) PPE	发光颜色 Color
GC-3030R660-1CC球头	3.0*3.0	0.2-1	300	2.0-2.2	660	3.0-4.4	DR
GC-3030R720-1CC球头	3.0*3.0	0.2-1	300	1.6-2.0	730	300-400mw	FR
GC-3030R660-1CC	3.0*3.0	0.2-1	300	2.0-2.2	660	2.8-3.1	DR
GC-3030B450-2BZ	3.0*3.0	0.2-1	300	3.0-3.4	450	2.0-2.5	B
GC-3030R730-1CC	3.0*3.0	0.2-1	300	1.6-2.0	730	200-300mw	FR
GC-3030WXXX-3BZ	3.0*3.0	0.2-1	60	2.7-2.9	3000K	2.8-3.3	W
GC-3030WXXX-3BZ	3.0*3.0	0.2-1	60	2.7-2.9	4000K	2.8-3.3	W
GC-3030WXXX-3BZ	3.0*3.0	0.2-1	60	2.7-2.9	6000K	2.8-3.3	W



3.1 陶瓷3535单/双色/白光

Ceramic3535 COLOR/WHITE

- $\angle 30^{\circ}/60^{\circ}/90^{\circ}/120^{\circ}$



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温/波长(nm) Wavelength	光通量(lm) FLUX	发光颜色 Color
GT-3535B450-1CZ0-G1D5	3.5*3.5	1-3	350-700	3.0-3.6	450-470	20-35	B
GT-3535G520-1CZ0-G1D5	3.5*3.5	1-3	350-700	3.0-3.6	520-530	100-190	G
GT-3535Y590-1CC0-G1D2	3.5*3.5	1-3	350-700	2.0-2.6	585-600	40-70	Y
GT-3535R620-1CC0-G1D2	3.5*3.5	1-3	350-700	2.0-2.6	620-660	50-90	R
GT-3535W3W6-2BC0-J3B7	3.5*3.5	1	350	3.0-3.4	3000-3500K	110-160	W
					6000-7000K		W
GT-3535WXXX-1CZ0-P1D5	3.5*3.5	1	350	2.8-3.2	1700-6500K	120-160	W
GT-3535WXXX-1CC0-S1C8	3.5*3.5	3	700	3.2-3.4	2000-6500K	200-260	W

3.2 3535 RGB/RGBW

Ceramic 3535 RGB/RGBW



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温/波长(nm) Wavelength	光通量(lm) FLUX	发光颜色 Color
GT-3535RGB-3BC0-S1B6M	3.5*3.5	1	350	2.8-3.4	B 455-470	20-50	B
				2.8-3.4	G 520-530	90-120	G
				1.8-2.4	R 620-630	40-70	R
GT-3535RGBWX-4BC0-S1B6M	3.5*3.5	1	350	3.0-3.4	B 455-470	20-50	B
				3.0-3.4	G 520-530	90-120	G
				2.0-2.4	R 620-630	40-70	R
				3.0-3.4	W 3000-7000K	100-130	W
GT-3535RGBWX-4BC0-S1B6PM	3.5*3.5	1	350	3.0-3.4	B 455-470	10-20	B
				3.0-3.4	G 520-530	50-60	G
				2.0-2.4	R 620-630	30-40	R
				3.0-3.4	W 3000-7000K	50-60	W
GT-3535RGBWX-4BD0-A1B9PM	3.5*3.5	1	350	3.0-3.4	B 455-470	20-50	B
				3.0-3.4	G 520-530	140-180	G
				2.0-2.4	R 620-630	40-70	R
				3.0-3.4	W 3000-7000K	110-150	W



3.3 5050 RGB/RGBW

Ceramic 5050 RGB/RGBW

- $\angle 60^{\circ}/120^{\circ}$



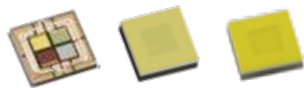
产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温/波长(nm) Wavelength	光通量(lm) FLUX	发光颜色 Color
GD-5050RGBWX-4BC0-S1C8	5.0*5.0	3	700	3.0-3.6	B 460-470	40-60	B
				3.0-3.6	G 520-530	250-300	G
				2.0-2.4	R 620-630	120-140	R
				3.0-3.6	W 3000-7000K	200-260	W
GD-5050RGB-3BC0-S1C8	5.0*5.0	3	700	3.0-3.6	B 460-470	40-60	B
				3.0-3.6	G 520-530	250-300	G
				2.0-2.4	R 620-630	120-140	R
				3.0-3.6	W 3000-7000K	200-260	W
GD-5050RGB-3BC0-A1D0	5.0*5.0	3	700	3.0-3.6	B 460-470	40-60	B
				3.0-3.6	G 520-530	250-300	G
				2.0-2.4	R 620-630	120-140	R
				3.0-3.6	W 3000-7000K	200-260	W

3.4 5060 RGBW Ceramic 5056 RGBW



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温/波长(nm) Wavelength	光通量(lm) FLUX	发光颜色 Color
GD-5060RGBWX-4BC0-S1D0D7	5.0*6.0	10	3A	2.6-3.2	B 450-460	200-300	B
				3.4-4.0	G 520-530	800-900	G
				3.4-4.0	R 620-630	400-500	R
				3.4-4.0	W 3000-7000K	200-260	W

3.5 陶瓷6065/2020/1414 Ceramic 6065/2020/1414



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Electricity	电压(V) Voltage	色温/波长(nm) Wavelength	光通量(lm) FLUX	发光颜色 Color
GD-6065RGBWX-4BC0-S1E7F3B	6.0*6.5	12	5A	2.4-3.0	450-460	300-400	B
		18		3.4-4.0	520-530	1200-1500	G
		18		3.4-4.0	620-630	600-800	R
		18		3.4-4.0	3000-7000K	1500-1600	W
GD-2020WXXX-1BD0-S1E5M	2.0*2.0	1-5	1500	3.0-3.4	3000-7000K	300-400	W
GD-1414WXXX-1BD0-S1D0M	1.4*1.4	1-3	1000	3.0-3.4	3000-7000K	200-300	W

3.6 PCT3030

- 高性价比户外光源
Alternative solutions for outdoor lighting



产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Electricity	电压(V) Voltage	光色(nm) COLOR	光通量(lm) FLUX	发光颜色 Color
GC-3030B450-1CZ-G1C8	3.0*3.0	1	350	2.8-3.4	450-470	15-35	B
GC-3030G520-1CZ-G100	3.0*3.0	1	350	2.8-3.4	520-530	40-60	G
GC-3030Y590-1CZ-G1C8	3.0*3.0	1	350	2.0-2.4	590-595	20-40	Y
GC-3030Y620-1CZ-G1C8	3.0*3.0	1	350	2.0-2.4	620-660	20-30	R



4、非视觉光源 Non-Visual LED

4.1 UVA

- 低热阻, 低光衰
Low thermal resistance, low light decay
- 高辐射能量, 高可靠性
High radiation energy, high reliability
- 长波UVA, 波长介于320~410纳米, 又称为长波黑斑效应紫外线
Long-wave UVA with a wavelength between 320 and 410 nm, also known as long-wave black spot effect
- 主要应用: 油墨印刷、电子PCB、地板油漆、装潢、光钎、汽车、矿石鉴定、验钞
Main applications: ink printing, electronic PCB, floor paint, decoration, Light soldering, car, ore identification, currency detecting

模组定制 Module Customization



	产品型号 LED Part NO.	功率(w) Power	电流(mA) Electricity	电压(V) Voltage	波长(nm) WAVELENGTH	辐射通量(mw) Flux
	GT-3535B39P36-2BC0-G1COM	2	500	3.4-4.0	390-405	800-1400
					365-370	600-1200
	GD-5050B39-2C2Z0-S1D5M	7	2A	6.0-7.0	390-405	3500-5000
					365-370	2500-4000
	GD-3535P365-1CC0-S1D5B	4	1A	3.2-3.6	365-370	1000-1400
	GD-6868P365-2C2C0-S1D5B	14	2A	6.8-7.2	365-370	3000-4000
	GD-8585P400-8C2D-J1D5	40	1400	28	400-410	14000-18000
	GD-1212P400-12C3D-J1D5	88	2100	42	400-410	30000-35000

4.2 UVB

- 高辐射能量, 共晶工艺, 高可靠性
Eutectic process, high radiation energy, high reliability
- 内置ESD静电保护, 抗静电能力强
Built in ESD protection, strong antistatic ability
- 角度可选: 30°, 60°, 120°
Angle available: 30°, 60°, 120°
- 波长介于280~320纳米
Long-wave with a wavelength between 280 and 320 nm
- 主要应用: 紫外线保健灯、植物生长灯、医学光照疗法(白癜风)、蛋白质分析及药物研究
Main applications: Ultraviolet health lamp, plant growth lamp, medical light therapy (vitiligo), protein analysis and drug research



	产品型号 LED Part NO.	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	波长(nm) WAVELENGTH	辐射通量(mw) Flux
	GD-3535U300-1CD	1	150	5.0-7.0	300-320	20-30
	GD-3535U300-1CD6-P2B0	1	150	5.0-7.0	300-320	20-30
	GD-3535U340-1CD	1	150	5.0-7.0	340-350	20-30

4.3 UVC

- 共晶工艺, 高辐射能量, 高可靠性
Eutectic process, high radiation energy, high reliability
- 内置ESD静电保护, 抗静电能力强
Built in ESD protection, strong antistatic ability
- 角度可选: 30°, 60°, 120°
Angle available: 30°, 60°, 120°
- 波长介于200~280纳米
Long-wave with a wavelength between 200 and 280 nm
- 主要应用: 表面杀菌、空气杀菌、水杀菌
Main applications: ink printing, electronic PCB, floor paint, decoration, Light soldering, car, ore identification, currency detecting

	产品型号 LED Part NO.	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	波长(nm) WAVELENGTH	辐射通量(mw) Flux
	GD-3535U255-1CD	0.2	40	5.0-7.0	255-280	3-12
	GD-3535U25P39-2BD	0.12	40	5.0-7.0	255-280	3-12
		0.25		3.0-3.4	395-400	40-60
	GD-4040U255-1CD	1	150	5.0-7.0	255-280	15-25
	GD-6868U255-4CD	4	150	20-28	255-280	60-100
	GD-3535U270-1CD6	1	150	5.0-7.0	255-280	15-25



4.4 IR

- 发光角度:陶瓷3030提供80°, 120°
Ceramic 3030 Lighting angle: 80°, 120°
- 陶瓷3535提供平面, 30°, 60°, 90°, 120°
Ceramic 3535:Flat PKG, 30°, 60°, 90°, 120°
- 陶瓷5050提供平面, 60°,120°
Ceramic 5050:Flat PKG,60°, 120°
- 波长:740-1650nm
Wavelength Range: 740nm to 1650nm

	产品型号 LED Part NO.	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	波长 (nm) Wavelength	辐射通量(mw) Flux
	GT-3535R850-1CC0-G1D2	1-3	350mA-1A	1.4-2.0	740-1650	200-600
	GT-3535R62W60-2BC0-J3C6	1-3	R 350 W 350	R 1.4-2.0 W 3.0-3.4	R 850 W 6000-7000k	200-400 90-120lm
	GD-5050R850-4BC0-S1D2	1-8	2A (MAX:4A)	1.6-2.0	740-1650	2000-3000
	GT-3030R850-1BC8-S2C6M (80° 120°)	1-3	700mA	1.6-2.0	740-1650	500-700

4.5 红外激光VCSEL IR VCSEL

- 光医疗美容
Light medical beauty
- 工业传感器领域
Industrial sensor field
- TOF雷达, 测距
TOF radar, ranging
- 远距安防红外摄像, 红外瞄准仪
Remote security infrared camera, infrared sight
- 3D感测, 如无人机无人驾驶领域等
3D sensing, such as unmanned aerial vehicles, etc
- 心率血氧, 人脸识别等生物识别领域
Heart rate blood oxygen, face recognition and other biometric fields



产品型号 LED Part NO.	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	波长 (nm) Wavelength	辐射通量 (mw) FLUX
GD-3535VSXXX-1CC2-D5D7	8	4A	2.0-2.5	808 850 940 1064	3400-4000



5、医疗美容 Medical Aesthetics

- 波长功效 (Wavelength Effects):
 - ★ 450nm:控油祛痘消炎
450nm: Oil control, acne reduction, anti-inflammatory
 - ★ 590nm:亮肤祛斑
590nm: Brightening and pigmentation reduction
 - ★ 660nm:抗衰紧致皮肤
660nm: Anti-aging, skin tightening, wrinkle reduction, pigmentation fading
 - ★ 830nm:淡纹紧致皮肤
830nm: Reduces fine lines, firms skin
 - ★ 1060nm:抗衰淡斑
1060nm: Improves skin elasticity, anti-aging
- 应用:应用:光子嫩肤仪, 大排灯, 美容面罩, 美白太空舱, 理疗腰带护颈仪等
Applications: Used in IPL (Intense Pulsed Light) devices, LED therapy panels, beauty face masks, whitening pods, therapeutic waist belts, neck care devices, and more.

	产品型号 LED Part NO.	封装 Package	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	波长 (nm) WAVELENGTH
	GT-3535	陶瓷3535	1-3	300-1000	2.0-2.4	780 810 830
	GT-3535R83Y-2BC3-G1B0	陶瓷3535	0.2	100	2.0-2.4	590 830
	GT-3535RYR83-3BC6-G1B0	陶瓷3535	0.2	100	2.0-2.4	620 590 830
	GS-5054RGB-3G10-NWN	PCT5050	0.2	100	2.0-2.4	590 830 620
	GS-2835	PCT2835	0.2	100	2.0-2.4	780 830 660
	5054四合一	5054	0.2*4	60*3	1.0-2.4	630+830+940+1070 可根据要求任意搭配
	5050三合一	5050	0.1*3	20*3	1.0-2.4	630+660+830 可根据要求任意搭配
	3528单波	PCT3528	0.1	20	1.0-2.4	630/660/700/740.....1700 可根据要求订制



目录

CONTENTS



光脉产品系列

白光 23-26
White LEDS

单色彩光 27
Single Color LEDS

多色彩光 28-29
Multi - Color LEDS

非视觉 30-31
Non-Visual

1、白光 White LEDS

• 1.1 陶瓷3535/陶瓷3030 Ceramic 3535/Ceramic 3030

	产品型号 LED Part NO.	尺寸 (mm) Pkg Size	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	色温 (K) CCT	光通量 (lm) Flux	发光颜色 Color
	GT-3535WXXX-1CC0-S1D0	3.5*3.5	1	350	2.8-3.4	2800-7000	140-170	W
		3.5*3.5	3	1000	3.2-3.6	2800-7000	350-400	W
	GD-3535WXXX-1CD0-S1E5	3.5*3.5	1	350	2.8-3.4	2800-7000	170-220	W
		3.5*3.5	5	2000	3.2-3.6	2800-7000	700-800	W
	GT-3535WXXX-1CD0-S1D0	3.5*3.5	1	350	2.8-3.4	2800-7000	160-190	W
		3.5*3.5	3	1200	3.2-3.6	2800-7000	450-550	W
	GT-3030WXXX-1CC0-S1D8	3.0*3.0	1	350	2.8-3.4	2800-7000	140-170	W
		3.0*3.0	3	1000	3.2-3.6	2800-7000	350-400	W
	GD-3535WXXX-1CD-S1G7	3.5*3.5	10	3000	3.0-3.4	2800-7000	1000-1500	W





• 1.2 陶瓷5050 Ceramic 5050

	产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光通量(lm) Flux
	GD-5050WXXX-1CC0-G3H0M	5.0*5.0	10	3000	3.2-3.8	3000-7000	800-1000
	GD-5050WXXX-4BC0-S1C8	5.0*5.0	10	3000	3.2-3.8	3000-7000	800-1000
	GD-5050WXXX-4BD0-S1E5	5.0*5.0	20	6000	3.2-3.8	3000-7000	2000-3000
	GD-5050WXXX-4BD-S1E5	5.0*5.0	20	6000	3.2-3.8	3000-7000	1600-2600
	GD-5050WXXX-1CC1-S1G3YBP	5.0*5.0	15	5000	3.6-4.2	3000-7000	2000-2500
	GD-5050WXXX-1CC1-S1G3YB	5.0*5.0	15	5000	3.6-4.2	3000-7000	2000-2500

• 1.3 陶瓷7070 Ceramics 7070

	产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光通量(lm) FLUX	发光颜色 Color
	GD-7070WXXX-2C2D-S2G7M	7.0*7.0	40	6000	6.0-6.4	3000-7000	5000-7000	W
	GD-7070WXXX-2C2D0-S2G7P	7.0*7.0	40	6000	6.0-6.4	3000-7000	4000-5000	W
	GD-7070WXXX-1CC1-G3L0YP	7.0*7.0	45	7000	6.0-6.4	6000-7000	4500-5000	W

• 1.4 陶瓷1414/2016/2020/6065 Ceramic 1414/2016/2020/6065

	产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温/波长 CCT	光通量(lm) FLUX	发光颜色 Color
	GD-1414WXXX-1BD-S1D0M	1.4*1.4	1-3	1000	3.0-3.4	3000-7000K	200-300	W
	GD-2016WXXX-1BD-S1D0PP	2.0*1.6	1-3	700	3.0-3.4	6000-7000K	200-300	W
	GD-2020WXXX-1BD-S1E5P	2.0*2.0	1-5	1500	3.0-3.4	3000-7000K	300-400	W
	GD-6065WXXX-4BC-S1E7F3R	6.0*6.5	60-70	2000	3.0-3.4	6000-7000K	6000-7000	W

• 1.5 陶瓷100110 Ceramic 100110

	产品型号 LED Part NO.	尺寸(mm) Pkg Size	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光通量(lm) FLUX	发光颜色 Color
	GD-100110WXXX-1CC1-G3L0YBP	11*10	50	8000	6.0-6.4	6000-7000	5000-6000	W



• 1.6 EMC/PCT3030

	产品型号 LED Part NO.	尺寸 (mm) Pkg Size	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	色温 (K) CCT	光效 (lm/w) FLUX	发光颜色 Color
	GC-3030WXXX-2CZ-P1B2D0	3.0*3.0	1	150	5.8-6.4	2800-7000	170-190	W
	GC-3030WXXX-2BZ-J2B2D0	3.0*3.0	1	350	3.0-3.4	2800-7000	160-180	W
	GE-3030WXXX-2C2Z-J2B2D0	3.0*3.0	1	150	5.4-5.8	2800-7000	200-240	W

• 1.7 EMC5050

	产品型号 LED Part NO.	显指 Ra	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	色温 (K) CCT	光效 (lm/w) FLUX	发光颜色 Color
	GE-5050WXXX-4C2Z-Q1B2D0	70	1-5	45-200	5.8-6.2	2800-7000K	260	W
	GE-5050WXXX-4C2Z-J2B2D0	80	1-5	45-200	5.8-6.2	2800-7000K	200	W
	GE-5050WXXX-4C2Z-J2B2D0	90	1-5	45-200	5.8-6.2	2800-7000K	180	W

• 1.8 PCT2835

	产品型号 LED Part NO.	尺寸 (mm) Pkg Size	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	显指 Ra	色温 (K) CCT	光通量 (lm) FLUX	发光颜色 Color
	GC-2835WXXX-1CZ-L20-RQ9	2.8*3.5	0.2	60	3.0-3.4	98	2800-7000	20-30	W
	GC-2835WXXX-1CZ-L50-RQ9	2.8*3.5	0.5	150	3.0-3.4	98	2800-7000	50-70	W

2、单色彩光 Single Color LEDs

450-460 460-470 470-480 500-510 520-530 590-610 620-630 660-670

	产品型号 LED Part NO.	功率 (w) Power	发光颜色 Color
	陶瓷35335	1-10	White, Blue, Green, Yellow, Red, Pink
	陶瓷3030	1-10	White, Blue, Green, Yellow, Red, Pink
	陶瓷5050	5-20	White, Blue, Green, Yellow, Red, Pink
	陶瓷2016	1-3	White, Blue, Green, Yellow, Red, Pink
	陶瓷2020	1-5	White, Blue, Green, Yellow, Red, Pink
	PCT3030	1-2	White, Blue, Green, Yellow, Red, Pink



3、多色彩光 Multi-Color LEDs

• 3.1 3535 RGB/RGBW Ceramic 3535 RGB/RGBW

产品型号 LED Part NO.	尺寸 (mm) Pkg Size	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	色温/波长 (nm) Wavelength	光通量 (lm) FLUX	发光颜色 Color
	GT-3535RGB-3BC0-S1B6M	3.5*3.5	1	350	2.8-3.4 B 455-470	20-50	B
					2.8-3.4 G 520-530	90-120	G
					1.8-2.4 R 620-630	40-70	R
	GT-3535RGBWX-4BC0-S1B6M	3.5*3.5	1	350	3.0-3.4 B 455-470	20-50	B
					3.0-3.4 G 520-530	90-120	G
					2.0-2.4 R 620-630	40-70	R
					3.0-3.4 W 3000-7000K	100-130	W
	GT-3535RGBWX-4BC0-S1B6PM	3.5*3.5	1	350	3.0-3.4 B 455-470	10-20	B
					3.0-3.4 G 520-530	50-60	G
					2.0-2.4 R 620-630	30-40	R
					3.0-3.4 W 3000-7000K	50-60	W
	GT-3535RGBWX-4BD0-A1B9PM	3.5*3.5	1	350	3.0-3.4 B 455-470	20-50	B
					3.0-3.4 G 520-530	140-160	G
					2.0-2.4 R 620-630	40-70	R
					3.0-3.4 W 3000-7000K	110-150	W

• 3.2 5050 RGB/RGBW Ceramic 5050 RGB/RGBW

产品型号 LED Part NO.	尺寸 (mm) Pkg Size	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	色温/波长 (nm) Wavelength	光通量 (lm) FLUX	发光颜色 Color
	GD-5050RGBWX-4BC0-S1C8	5.0*5.0	3	700	3.0-3.6 B 460-470	40-60	B
					3.0-3.6 G 520-530	250-300	G
					2.0-2.4 R 620-630	120-140	R
					3.0-3.6 W 3000-7000K	200-260	W
	GD-5050RGB-3BC0-S1C8	5.0*5.0	3	700	3.0-3.6 B 460-470	40-60	B
					3.0-3.6 G 520-530	250-300	G
					2.0-2.4 R 620-630	120-140	R
	GD-5050RGB-3BC0-A1D0	5.0*5.0	3	700	3.0-3.6 B 460-470	40-60	B
					3.0-3.6 G 520-530	250-300	G
					2.0-2.4 R 620-630	120-140	R
					3.0-3.6 W 3000-7000K	200-260	W



• 3.3 陶瓷5060 RGBW Ceramics 5060RGBW

产品型号 LED Part NO.	尺寸 (mm) Pkg Size	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	色温/波长 (nm) Wavelength	光通量 (lm) FLUX	发光颜色 Color
	GD-5060RGBWX-4BC0-S1D0D7	5.0*6.0	10	3A	2.6-3.2 B 450-460	200-300	B
					3.4-4.0 G 520-530	800-900	G
					3.4-4.0 R 620-630	400-500	R
					3.4-4.0 W 3000-7000K	200-260	W

• 3.4 陶瓷6065 Ceramics 6065

产品型号 LED Part NO.	尺寸 (mm) Pkg Size	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	色温/波长 (nm) Wavelength	光通量 (lm) FLUX	发光颜色 Color
	GD-6065RGBWX-4BC0-S1E7F3B	12	5A	2.4-3.0	450-460	300-400	B
		18		3.4-4.0	520-530	1200-1500	G
		18		3.4-4.0	620-630	600-800	R
		18		3.4-4.0	3000-7000K	1500-1600	W

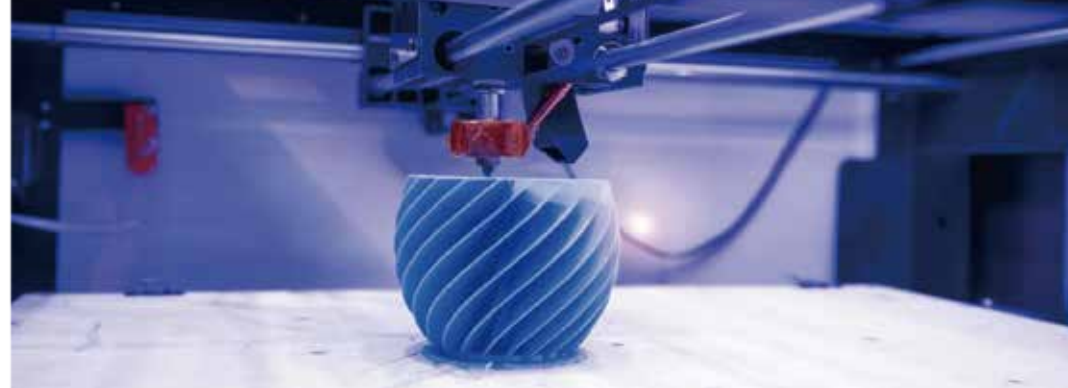
4、非视觉光源 Non-Visual LEDs

● 4.1 IR

产品型号 LED Part NO.	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	波长 (nm) WAVELENGTH	辐射通量 (mw) Flux
 GT-3535R850-1CC0-G1D2	1-3	350mA-1A	1.4-2.0	740-1650	200-600
 GT-3535R62W60-2BC0-J3C6	1-3	R 350 W 350	R 1.4-2.0 W 3.0-3.4	R 850 W 6000-7000k	200-400 90-120lm
 GD-5050R850-4BC0-S1D2	1-8	2A (MAX:4A)	1.6-2.0	740-1650	2000-3000
 GD-3535VSXXX-1CC2-D5D7 (VCSEL激光/Laser diode)	8	4A	2.0-2.5	808 850 940 1064	3500-4000
 GT-3030R850-1BC8-S2C6M (80° 120°)	1-3	700mA	1.6-2.0	740-1650	500-700

● 4.2 UVA

产品型号 LED Part NO.	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	波长 (nm) WAVELENGTH	辐射通量 (mw) Flux
 GT-3535B39P36-2BC0-G1C1M	2	500	3.4-4.0	390-405 365-370	800-1400 600-1200
 GD-5050B39P36-2C2Z0-S1D5M	7	2A	6.0-7.0	390-405 365-370	3500-5000 2500-4000
 GD-3535P365-1CC0-S1D5B	4	1A	3.2-3.6	365-370	1000-1400
 GD-6868P365-2C2C0-S1D5B	14	2A	6.8-7.2	365-370	3000-4000
 GD-8585P400-8C2D-J1D5	40	1400	28	400-410	14000-18000
 GD-1212P400-12C3D-J1D5	88	2100	42	400-410	30000-35000



● 4.3 UVB

产品型号 LED Part NO.	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	波长 (nm) WAVELENGTH	辐射通量 (mw) Flux
 GD-3535U300-1CD	1	150	5.0-7.0	300-320	20-30
 GD-3535U300-1CD6-P2B0	1	150	5.0-7.0	300-320	20-30
 GD-3535U340-1CD	1	150	5.0-7.0	340-350	20-30

● 4.4 UVC

产品型号 LED Part NO.	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	波长 (nm) WAVELENGTH	辐射通量 (mw) Flux
 GD-3535U255-1CD	0.2	40	5.0-7.0	255-280	3-12
 GD-3535U25P39-2BD	0.12 0.25	40	5.0-7.0 3.0-3.4	255-280 395-400	3-12 40-60
 GD-4040U255-1CD	1	150	5.0-7.0	255-280	15-25
 GD-6868U255-4CD	4	150	20-28	255-280	60-100
 GD-3535U270-1CD6	1	150	5.0-7.0	255-280	15-25

目录 CONTENTS



欧凯产品系列

仿流明 **33-34**
Power LEDs

直流倒装 **35**
Flip Chip COB

集成 **36-37**
High Power COB

集成模块 **38-39**
White High Power COB

小功率 **40-41**
Small Power SMD

COB **42-43**
COB

1、仿流明 Power LEDs

- LM-80认证
LM80 Certificate
- 功率:1-5W
Power:1-5W
- 色温:1600-20000K
CCT:1600-20000K
- 使用灵活多样, 焊接方便
Flexible use and convenient welding
- 红铜支架, 高导热性
Red copper heat sink, high thermal conductivity
- 高光效, 高功率, 高可靠性
High light efficiency, high power and high reliability
- 使用范围广, 适应各种工作环境
Wide application range and adaptability to various working environments



产品型号 LED Part NO.	芯片 CHIP	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光通量(lm) FLUX	发光颜色 Color
GZ-1480WXXX-1CZ1-J1C3	EPISTAR 33mil	1	350	3.0-3.4	2800-7000	110-130	W
GZ-1480WXXX-1CZ1-P1C5	BRIDGELUX 35mil	1	350	3.0-3.4	2800-7000	140-160	W
GZ-1480WXXX-2BZ1-P1C5	BRIDGELUX 35mil*2	1	350	3.0-3.4	2800-7000	160-180	W
GZ-1480WXXX-1CZ1-G1D5	EPILED 45mil	3	700	3.0-3.8	2800-7000	220-280	W





产品型号 LED Part NO.	芯片 CHIP	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光通量(lm) FLUX	发光颜色 Color
GZ-1408WXXX-1CZ1-J1C3	EPISTAR 33mil	1	350	3.0-3.4	2800-7000	110-130	W
GZ-1408WXXX-2BZ1-P1B2D0	BRIDGELUX 22*40mil*2	1	350	3.0-3.4	2800-7000	150-170	W
GZ-1408WXXX-1CZ1-G1D5	EPILEDs 45mil	1	350	3.0-3.4	2800-7000	130-170	W
GZ-1408B460-1CZ1-G1C5	EPILEDs 35mil	1	350	3.0-3.8	460-470nm	20-40	B
GZ-1408G520-1CZ1-G1C5	EPILEDs 35mil	1	350	3.0-3.4	520-530nm	80-100	G
GZ-1408Y590-1CC1-G1C8	EPILEDs 38mil	1	350	2.0-2.4	590-595nm	40-60	Y
GZ-1408R620-1CC1-G1C0	EPILEDs 30mil	1	350	2.0-2.4	620-660nm	30-50	R



产品型号 LED Part NO.	芯片 CHIP	电流(mA) Forward current	电压(V) Voltage	光色(nm) COLOR	光通量(lm) FLUX
GZ-1408RGB-3BZ1-G1C5	EPILEDs 30mil	350	2.0-2.4	R 620-630	30-50
	EPILEDs 35mil	350	3.0-3.4	G 520-530	80-100
	EPILEDs 35mil	350	3.0-3.4	B 460-470	20-40
GZ-1408RGBWX-G1C8	EPILEDs 40mil	350	2.0-2.4	R 620-630	50-60
	EPILEDs 38mil	350	3.0-3.4	G 520-530	90-110
	EPILEDs 38mil	350	3.0-3.4	B 460-470	20-40
	EPILEDs 40mil	350	3.0-3.4	W 6000-8000K	110-130

2、直流倒装 Flip Chip COB

- LM-80认证
LM80 Certificate
- 功率:10-300W
Power:10-300W
- 无金线封装工艺
No gold wire design
- 颜色一致性好
Good color consistency
- 散热好,寿命长
Good heat dissipation, Long lifespan

	产品型号 LED Part NO.	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光通量(lm) FLUX
	GF-10WWX-P40-C20	10	900	9-11	2600-7000	1000-2000
	GF-20WWX-P40-C20	20	600	28-34	2600-7000	2000-2400
	GF-20WWX-P40-C40	20	600	28-34	2600-7000	2000-2400
	GF-100WWX-P40-C40	100	3000	28-34	2600-7000	10000-12000
	GF-150WWX-P40-C82	150	4500	28-34	2600-7000	15000-17000
	GF-300WWX-P40-C82	300	9000	28-34	2600-7000	30000-36000



3、集成 High Power COB

- LM-80认证
LM80 Certificate
- 红铜支架, 高导热性
Red copper heat sink, high thermal conductivity
- 高光效, 高功率, 高可靠性
High light efficiency, high power and high reliability



3.1 10W RGB集成 10W RGB High Power COB



产品型号 LED Part NO.	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	芯片 CHIP	波段 (nm) WAVELENGTH	光通量 (lm) FLUX	发光颜色 Color
GJZ-J010R620-3C3Z-G1C0	10	1050	6-8	EPILEDs 30mil	620-630	270-450	R
GJZ-J010G520-3C3Z-G1C5			9-11	EPILEDs 35mil	520-530	720-1000	G
GJZ-J010B460-3C3Z-G1C5			9-11	EPILEDs 35mil	460-470	180-270	B
GJZ-J010RGB-3C3Z-G1C5	10	350	6-8	EPILEDs 30mil	620-630	90-150	R
			9-11	EPILEDs 35mil	520-530	240-300	G
			9-11	EPILEDs 35mil	460-470	60-90	B

3.2 30-100W RGB集成 30-100W RGB High Power COB

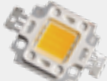


产品型号 LED Part NO.	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	芯片 CHIP	波段 (nm) WAVELENGTH	光通量 (lm) FLUX	发光颜色 Color
GJZ-J030R620-10C3Z-G1C0	30	1050	18-22	EPILEDs 30mil	620-630	900-1500	R
GJZ-J030G520-10C3Z-G1C5			28-32	EPILEDs 35mil	520-530	2200-2800	G
GJZ-J030B460-10C3Z-G1C5			28-32	EPILEDs 35mil	460-470	600-900	B
GJZ-J030RGB-10C3Z-G105	30	350	18-22	EPILEDs 30mil	620-630	300-500	R
			28-32	EPILEDs 35mil	520-530	800-1000	G
			28-32	EPILEDs 35mil	460-470	200-300	B
GJZ-J050R620-10C5Z-G1C0	50	1750	18-22	EPILEDs 30mil	620-630	1200-2000	R
GJZ-J050G520-10C5Z-G1C0			28-32	EPILEDs 35mil	520-530	3500-4500	G
GJZ-J050B460-10C5Z-G1C5			28-32	EPILEDs 35mil	460-470	800-1200	B

4、集成模块 White High Power COB

- LM-80认证
LM80 Certificate
- 5W-300W方案可选
Power:5W-300W
- 更大热通道,更低散热需求
Larger hot channels, lower thermal resistance
- 紫铜支架,更高的热流明
Red copper substrate,High stabilized performance
- 更小体积,更大功率,更强照度
Smaller volume, greater power, greater illumination



	产品型号 LED Part NO.	芯片 CHIP	功率(w) Power	电流(mA) Forward current	电压(V) Voltage	色温(K) CCT	光通量(lm) FLUX
	GJZ-J005W600-2C2Z-J1C3	EPISTAR 33*33mil	5	700	6-7	2800-7000	450-550
	GJZ-J005W600-2C4Z-P1B5E1	BRIDGELUX 25*51mil	5	700	6-7	2800-7000	600-700
	GJZ-J010W600-3C3Z-J1C3	EPISTAR 33*33mil	10	1050	9-11	2800-7000	900-1100
	GJZ-J010W600-3C6Z-P1B5E1	BRIDGELUX 25*51mil	10	1050	9-11	2800-7000	1100-1300
	GJZ-J010W600-3C3Z-J1C3	EPISTAR 33*33mil	10	1050	9-11	2800-7000	900-1100
	GJZ-J010W600-3C6Z-P1B5E1	BRIDGELUX 25*51mil	10	1050	9-11	2800-7000	1100-1300
	GJZ-J020W600-4C5Z-J1C3	EPISTAR 33*33mil	20	1750	12-14	2800-7000	1900-2100
	GJZ-J020W600-4C10Z-P1B5E1	BRIDGELUX 25*51mil	20	1750	12-14	2800-7000	2200-2400
	GJZ-J080W600-10C8Z-J1C3	EPISTAR 33*33mil	80	2800	30-34	2800-7000	8500-9500
	GJZ-J080W600-10C16Z-P1B5E1	BRIDGELUX 25*51mil	80	2800	30-34	2800-7000	8800-9800
	GJZ-J080W600-10C8Z-P1D5	BRIDGELUX 45mil	80	2800	30-34	2800-7000	8800-9800
	GJZ-J100W600-10C10Z-J1C3	EPISTAR 33*33mil	100	3500	30-34	2800-7000	10000-12000
	GJZ-J100W600-10C20Z-P1B5E1	BRIDGELUX 25*51mil	100	3500	30-34	2800-7000	11000-13000
	GJZ-J100W600-10C10Z-P1D5	BRIDGELUX 45mil	100	3500	30-34	2800-7000	11000-13000
	GJZ-J200W600-15C13Z-J1C3	EPISTAR 33*33mil	200	4550	45-50	2800-7000	18000-20000
	GJZ-J200W600-15C26Z-P1B5E1	BRIDGELUX 25*51mil	200	4550	45-50	2800-7000	22000-28000
	GJZ-J200W600-15C13Z-P1D5	BRIDGELUX 45mil	200	4550	45-50	2800-7000	20000-26000
	GJZ-J300W600-15C20Z-J1C3	EPISTAR 33*33mil	300	7000	45-50	2800-7000	28000-30000
	GJZ-J300W600-15C40Z-P1B5E1	BRIDGELUX 25*51mil	300	7000	45-50	2800-7000	32000-42000
	GJZ-J300W600-15C20Z-P1D5	BRIDGELUX 45mil	300	7000	45-50	2800-7000	30000-39000

5、小功率 Small Powe SMD

- LM-80认证
LM80 Certificate
- 功率:0.06-1W
Power:0.06-1W
- 高显指, 高光效
High color rendering index and high light efficiency
- 光源标准化或定制化, 应对不同的灯具需要
Standardization and customization



	产品型号 LED Part NO.	封装 Package	功率(w) Power	电流 (mA) Forward current	电压 (V) Voltage	色温 (K/nm) CCT	光通量 (lm/w) FLUX
	2835暖白	2835	0.2	60	2.7-3.2	2000-3500	24-34
	2835白光	2835	0.2	60	2.7-3.2	4000-7000	24-34
	2835暖白	2835	0.5	150	2.9-3.3	2000-3500	50-80
	2835白光	2835	0.5	150	2.9-3.3	4000-7000	50-80
	2835暖白	2835	1	300	2.9-3.3	2000-3500	100-160
	2835白光	2835	1	300	2.9-3.3	4000-7000	100-160
	3528暖白	3528	0.06	20	2.7-3.2	2000-3500	7-10
	3528白光	3528	0.06	20	2.7-3.2	4000-7000	7-10
	3014暖白	3014	0.1	30	2.7-3.2	2000-3500	10-14
	3014白光	3014	0.1	30	2.7-3.2	4000-7000	10-14
	4014暖白	4014	0.2	60	2.7-3.2	2000-3500	24-34
	4014白光	4014	0.2	60	2.7-3.2	4000-7000	24-34
	4014暖白	4014	0.5	150	2.9-3.3	2000-3500	50-80
	4014白光	4014	0.5	150	2.9-3.3	4000-7000	50-80
	5050暖白	5050	0.2	20*3	2.7-3.2	2000-3500	22-30
	5050白光	5050	0.2	20*3	2.7-3.2	4000-7000	22-30
	3030	3030	0.2	20*3	1.9-3.4	620-625	7-13
			0.5	60*3		515-530	20-30
			1.5	150*3		457-465	50-80
	3535	3535	0.5	60*3	1.9-3.4	620-625	20-30
			1.5	150*3		515-530 457-465	50-80
	5054	5054	0.5	60*3	1.9-3.4	620-625	20-30
			1.5	150*3		515-530 457-465	50-80
	3528	3528	0.2	20*3	1.9-3.4	620-625 515-530 457-465	7-13
	5050	5050	0.2	20*3	1.9-3.4	620-625 515-530 457-465	7-13
	2016	2016	0.1	30	3.0-3.2	3000-7000	22-26
			0.5	150			55-70

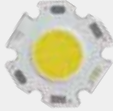
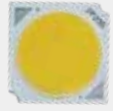
6、COB

- LM-80认证
LM80 Certificate
- 功率:3-100W
Power:3-100W
- 高显指, 高光效
High color rendering index and high light efficiency
- 光源标准化或定制化, 应对不同的灯具需要
Standardization and customization
- 产品生命周期长, 与医疗和工业市场的终端系统生命周期一致
The product life cycle is long, which is consistent with the end system life cycle of medical and industrial markets.

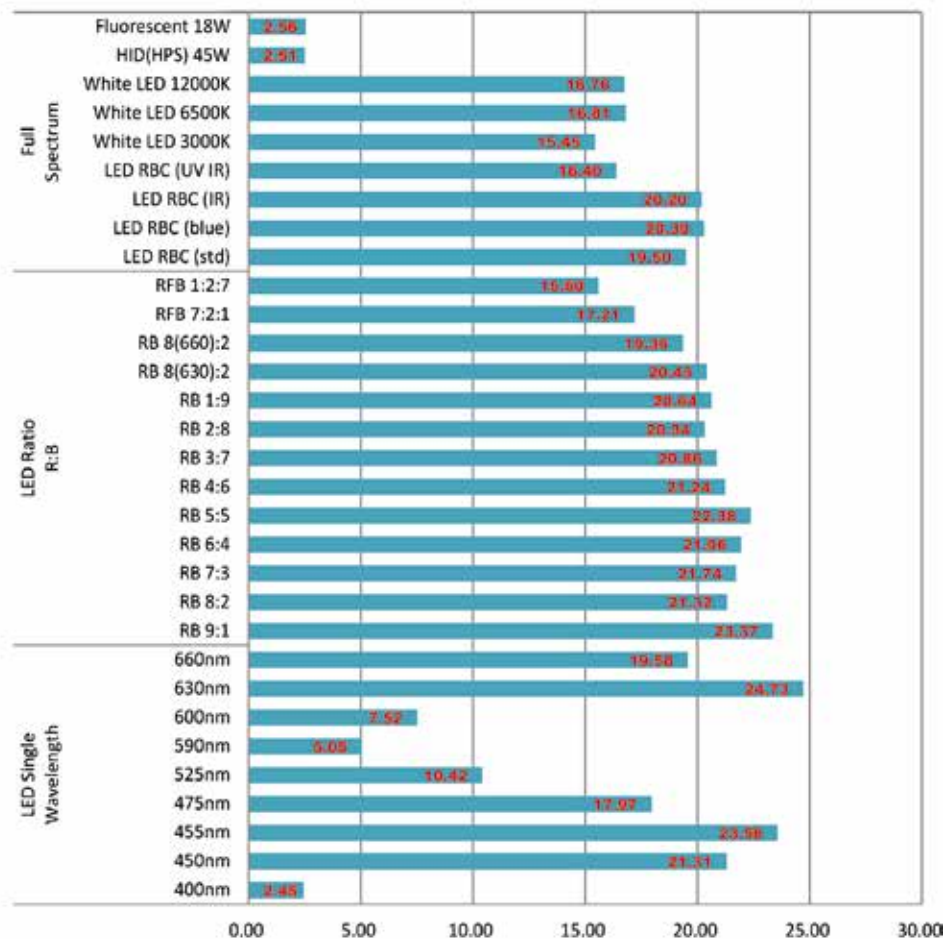
应用领域 (application area)

- 生命科学和医学
Life sciences and medicine
- 工业机器人及机器视觉
Industrial robot and machine vision
- 娱乐及舞台灯光
Entertainment and stage lighting
- 大功率卤素灯、氢气灯、金卤灯的替代方案
Alternatives to high-power halogen lamps, hydrogen lamps and metal halide lamps

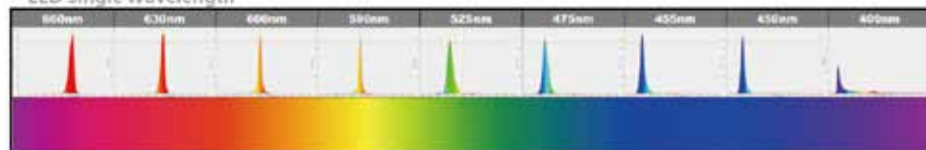


	产品型号 LED Part NO.	尺寸 (mm) SIZE	功率 (w) Power	电流 (mA) Forward current	电压 (V) Voltage	色温 (K) CCT	光通量 (lm/w) FLUX
	GF-3W-0302-20STAR	20*20	3	300	9-11	2800-7000	120-130
	GF-5W-0502-20STAR	20*20	5	300	15-17	2800-7000	120-130
	GF-7W-0702-20STAR	20*20	7	300	21-24	2800-7000	120-130
	GF-10W-1002-20STAR	20*20	10	300	30-34	2800-7000	120-130
	GF-3W-0302-1414	14*14	3	300	9-11	2800-7000	120-130
	GF-5W-0502-1414	14*14	5	300	15-17	2800-7000	120-130
	GF-7W-0702-1414	14*14	7	300	21-24	2800-7000	120-130
	GF-12W-1202-1414	14*14	12	300	36-40	2800-7000	120-130
	GF-12W-1202-1919	19*19	12	300	36-40	2800-7000	120-130
	GF-15W-1502-1919	19*19	15	300	45-50	2800-7000	120-130
	GF-18W-1802-1919	19*19	18	300	54-60	2800-7000	120-130
	GF-20W-2002-1919	19*19	20	300	60-64	2800-7000	120-130
	GF-24W-2402-1919	19*19	24	300	72-80	2800-7000	120-130
	GF-30W-3002-1919	19*19	30	300	30-100	2800-7000	120-130
	GF-30W-1006-2828	28*28	30	900	30-34	2800-7000	120-130
	GF-35W-1007-2828	28*28	35	1050	30-34	2800-7000	120-130
	GF-50W-1010-2828	28*28	50	1500	30-34	2800-7000	120-130
	GF-60W-1012-2828	28*28	60	1800	30-34	2800-7000	120-130
	GF-10W-2020	20*20	10	300	30-34	2800-7000	120-130
	GF-20W-4046	40*46	20	600	30-34	2800-7000	120-130
	GF-30W-4046	40*46	30	900	30-34	2800-7000	120-130
	GF-40W-4046	40*46	40	1200	30-34	2800-7000	120-130
	GF-50W-4046	40*46	50	1500	30-34	2800-7000	120-130
	GF-60W-4046	40*46	60	1800	30-34	2800-7000	120-130
	GF-80W-4046	40*46	80	2400	30-34	2800-7000	120-130
	GF-100W-4046	40*46	100	3000	30-34	2800-7000	120-130

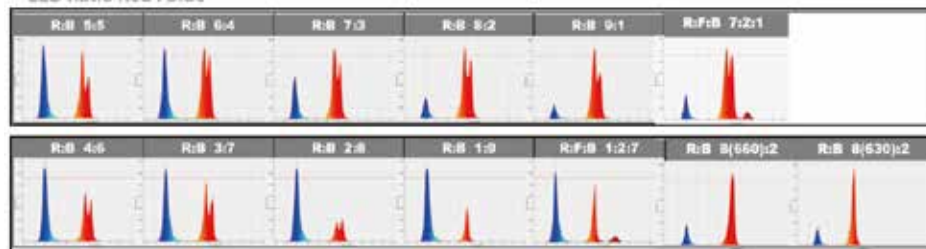
PPFT/Watt



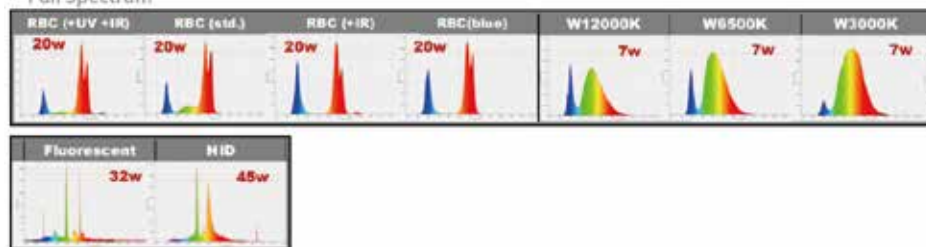
LED Single Wavelength



LED Ratio Red : Blue



Full Spectrum



An operation effect a wavelength having on to a plant

wavelength (nm)		Activity effect
Infrared rays	1400~1000	No activity detected on plants at this wavelength. Only heat effect.
	780	Stimulate the growth of the plant.
Visible rays	red	Blocks germination (730nm). Photosynthesis operation at 670nm maximum.
	Red-yellow	Chlorophyll operation at 655nm maximum. Germination operation and flower bud formation and leaf distribution (660nm).
	660	
	610	No benefit on photosynthesis but prevention of harmful insects (580-650nm).
	green-yellow	Little absorption by yellow pigments (485nm).
Ultraviolet rays	510	
	430~440	Photosynthesis operation at 430nm maximum. Chlorophyll operation at 440nm maximum. Prevention of harmful insects.
	UV-A	Leaves of plants can be thickened. Ager promotion operation of pigment. Prevention of harmful insects.
	UV-B	Operation highly affecting plants processes, like the immunity formation, etc. May be harmful on plants if this wavelength is too intense.
UV-C		Operation rapidly drying plants.

DAIRIC 76650

医疗美容波段

颜色	波段	美容功效
紫光	415nm	蓝紫光可以消炎杀菌，镇静，还能净化肌肤，抑制皮脂腺，对淤血和疼痛都有一定疗效
	430nm	
蓝光	460nm	
翠绿光	530nm	绿光是大自然最普遍的颜色，具有平衡安定皮肤的作用，能改善疲劳和精神紧张引起的皮肤粗糙，皱纹，黑头，粉刺及暗疮
黄光	590nm	黄光能改善细胞痒的交替功能，促进血液循环，淋巴排毒，还能增加毛细血管韧性，提高肌肤免疫机能，降低皮肤敏感度，也可以分解色素，淡化色斑，促进角质层新陈代谢
橙光	605nm	
红光	630nm	红光是一种多功能光，可以修复创面，改善过敏反应；可以通过抑制环氧化酶来达到抑制炎症的作用，同时还能促进血液循环，刺激胶原蛋白再生及减轻痤疮瘢痕的形成
	640nm	
	660nm	
红外	810nm	红外光理疗基本原理在使体温升高，造成血管放松，增加身体代谢速率，有增加韧带，关节囊，肌肉弹性，促进愈合的效果
	830nm	
	850nm	
	880nm	
	940nm	