



GMKJ LED Lighting the world

GMKJ PRESENTATION

For GMKJ/GMLEDs Only

Shenzhen Guangmai Electronics Co.,Ltd

Shenzhen Guangmai Technology Co.,Ltd

Guangmai Technology (HK) Co.,Ltd

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2024-06-7



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QC & Innovation

04

Partner & Project

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Team Building



Basic Background of GMKJ

- **Founding Time**

Founded in 2009, registered in Shenzhen, China

- **Registered Capital**

Paid-in registered capital 50 Million RMB (7.2 Million USD)

- **Company Scale**

- 6000m² Guangmai Industry Park in Shenzhen
- 20.000m² in Zhejiang Shengbiao Industrial Park
- Family Business Group.

- **Market Positioning**

Mainly provide High end LEDs for government lighting projects, Grow lighting, IR LEDs for security projects, UV disinfection and UV curing Products and other fields of LED Provider.





Development Process

1989-2002

In 1989, Yongjia Baiyun Button Factory was established in Wenzhou, Zhejiang. In 2002, Yongjia Shengbiao Button Factory was established. In 2011, Xingzhe Jewelry Co., Ltd. was established in Qingtian, with two self-built industrial parks. Annual sales of 60 million to 90 million yuan. The current chairman, Ye Shengzhe, is a family business.

Established Shengbiao Jewelry Co., Ltd. in Dongyang, Zhejiang, mainly engaged in the production of LED crystal lamp accessories. It has its own industrial park of 20000m², with a construction area of 38,000m². Annual sales of 120-180 million yuan. Currently operating normally, chairman Ye Shengbiao, a family business.

2001-2008

2009-2022

Established Shenzhen Guangmai Electronics Co., Ltd. in Shenzhen, engaged in LED Diodes packaging products, leased a factory building of 6,000m², and Annual sales in 2022 of 130 million Yuan; established Guangmai Technology in 2018, mainly engaged in LED overseas trading, and estimated sales in 2022 of 85 million Yuan.

- Invest 100 million yuan for new automation equipments and capacity expansion.
- annual sales reach 185 million Yuan in 2023.
- Invested RMB120 million to purchase 6000m² property in Shenzhen Bao'an for the construction of technical sales Headquarters.
- Strive to expand the production capacity of middle-power LED products to 100KK/Month, establish LED technology R&D with more than 3 universities.

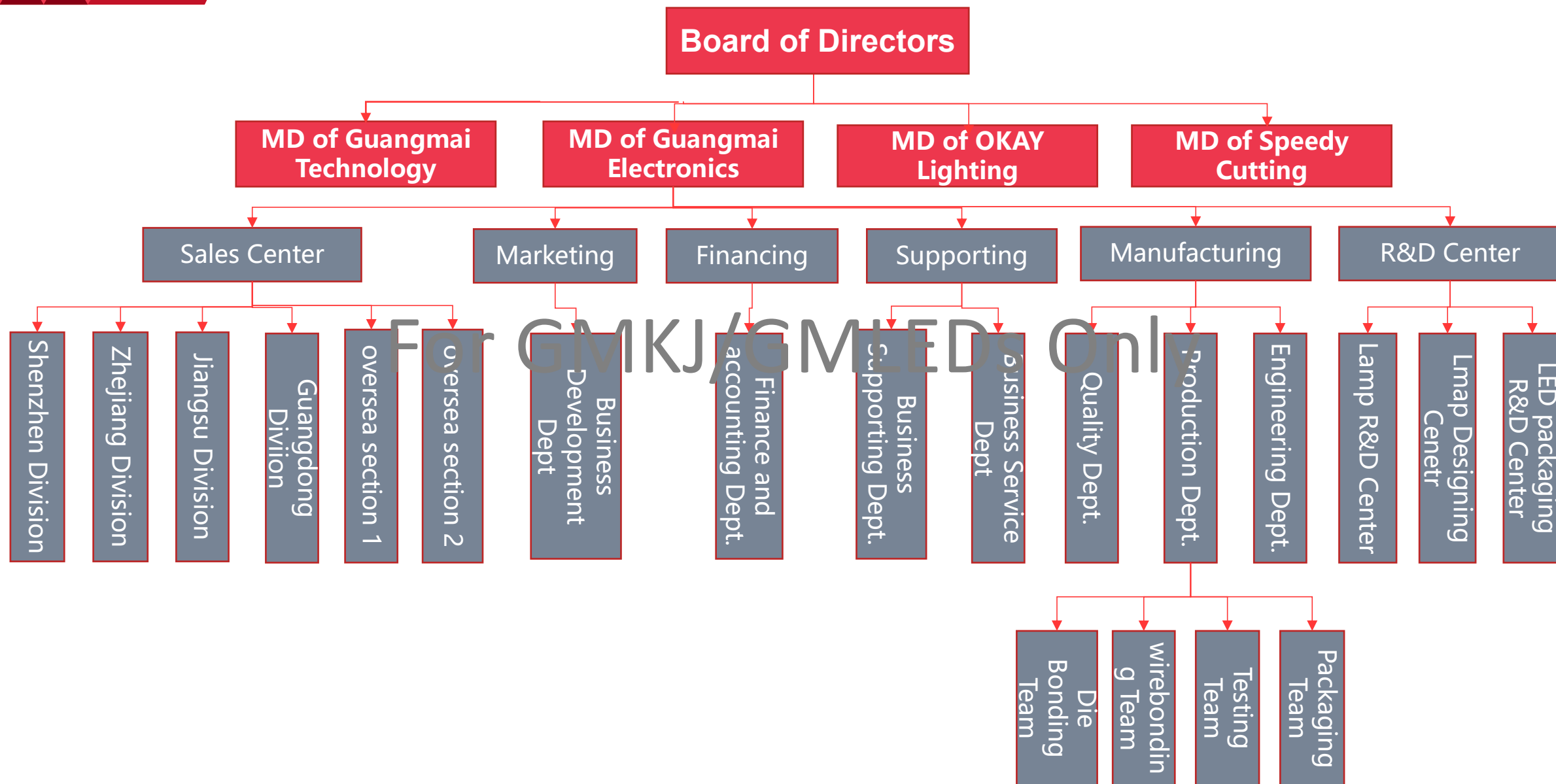
2023-2025

Continue

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GMKJ Organizational Structure





GMKJ Company Hour

- GMKJ Ranks as China Top 100 LED Lighting Enterprises in 2010 ,2011, 2014, 2018
- In 2023, China has 15400 LED lighting companies in total.



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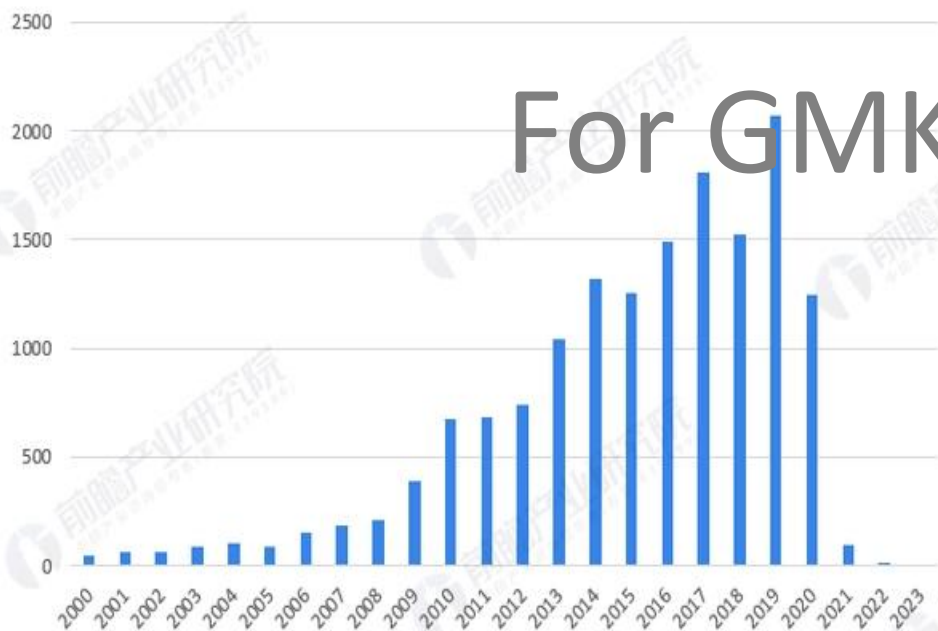




GMKJ Company Hour

- Number of registrations of China LED Lighting Companies 2000-2023
- GMKJ Ranks as TOP100 in 2010,2011, 2014 , 2018.

图表1：2000-2023年中国LED照明企业注册数量（单位：家）

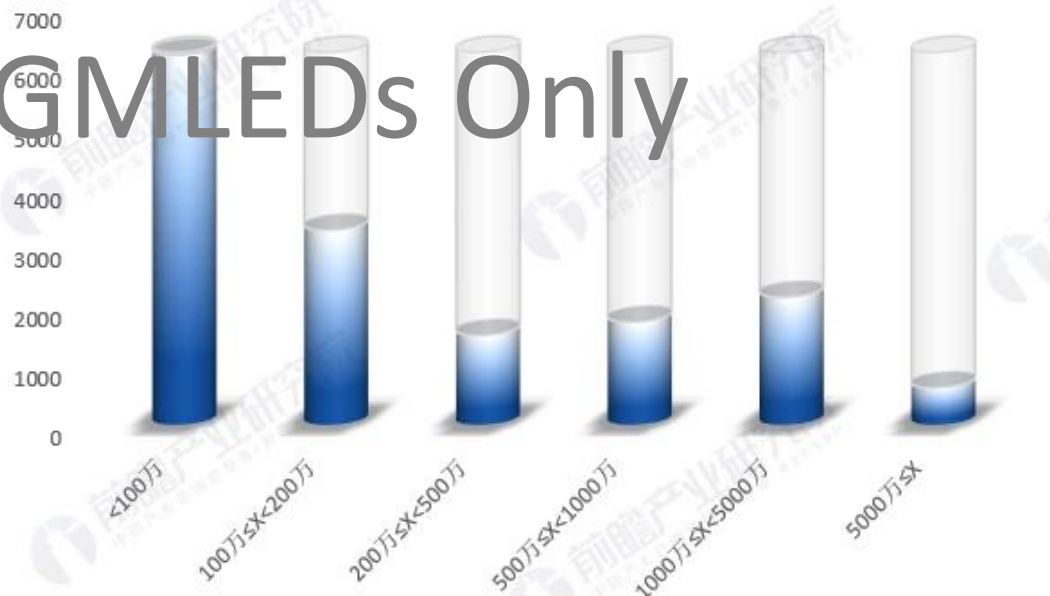


资料来源：企查查 前瞻产业研究院

@前瞻经济学人APP

- The Registered Capital of China LED Lighting Companies till year 2023
- GMKJ has a paid -in regiatered capital 500million Yuan

图表3：截至2023年中国LED照明企业注册资本分布（单位：家）



资料来源：企查查 前瞻产业研究院

@前瞻经济学人APP

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GMKJ Company Hour

- China AAAA 4A+ Quality Credit Enterprise Since 2015
- 2012 China Integrity demonstration enterprise
- 2021 China National high-tech innovation enterprises
- 2022 China Excellent Lighting brand demonstration unit





GMKJ Hour -China top 25 supplier



- CPC Branch Committee Of Shenzhen Lighting Industry.
- Advanced Enterprise Party branch of CPC.
- Vice President member of China semiconductor industry development committee.

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GMKJ Hour -Over 67 patents

- GMKJ has won over 67 technical patents and 150+ different honors in past 15 years!



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GMKJ Hour -Industry training center



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- LED lighting industry Shenzhen's first technical exchange training center
- Alibaba organizes small and medium-sized enterprise owners to visit Shenzhen Guangmai every month to learn and exchange business management experience. 4-6 times a month, each time 30-80 mainland enterprises, a total of more than 6,200 enterprises to visit Shenzhen Guangmai visit and exchange.





GMKJ Company Hour - Press report

- CHINA CCTV Industry brand reward.
- CCTV Economic Channel Special Report
- Canton News report
- Industry popularity

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广东新闻





Market Distribution



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GMKJ 2023 Turnover Distribution in China and Oversea



GMKJ Factory Environment



PARK Environment

GMKJ company Pay attention to employee welfare, we dedicated to providing our employees with a comfortable and efficient working environment





GMKJ Factory Environment



Reception area

GMKJ company Pay attention to employee welfare, we dedicated to providing our employees with a comfortable and efficient working environment



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GMKJ Factory Environment



Show Room

GMKJ company Pay attention to employee welfare, we dedicated to providing our employees with a comfortable and efficient working environment





GMKJ Factory Environment



Public Area

GMKJ company Pay attention to employee welfare, we dedicated to providing our employees with a comfortable and efficient working environment





GMKJ Factory Environment



Production Environment

Cleanroom

We have a cleanroom facility equipped with a 300,000-level air purification system, ensuring air cleanliness at Class 100 and Class 10,000 levels.



For GMKJ/GMLEDs Only



GMKJ Factory Environment



Production Environment

Cleanroom

We have a cleanroom facility equipped with a 300,000-level air purification system, ensuring air cleanliness at Class 100 and Class 10,000 levels.





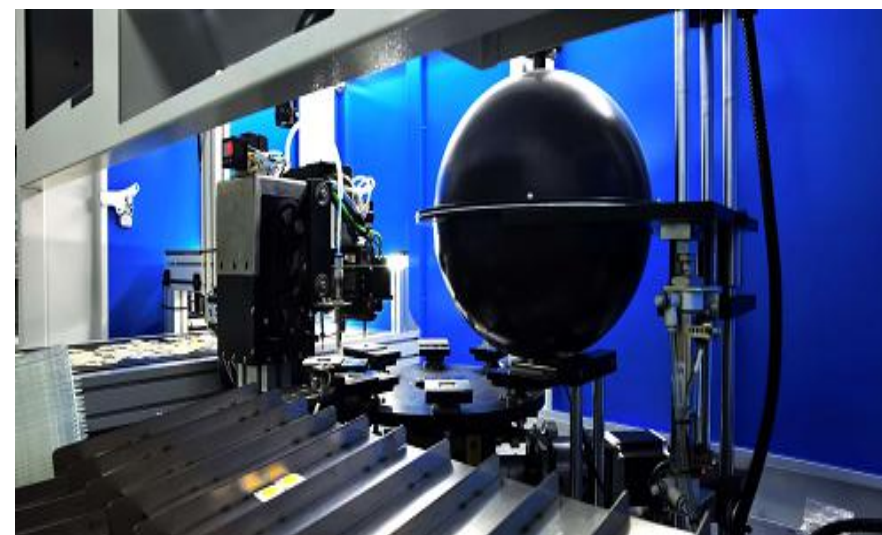
GMKJ Factory Environment



Production Environment

Cleanroom

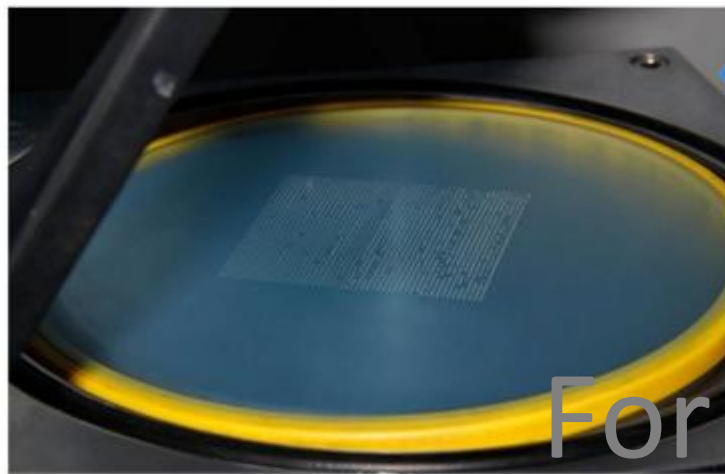
We have a cleanroom facility equipped with a 300,000-level air purification system, ensuring air cleanliness at Class 100 and Class 10,000 levels.



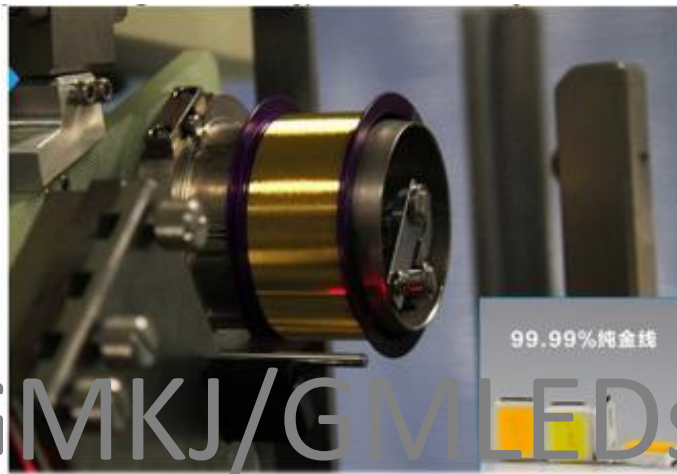


GMKJ Main Raw Materials

Original Brand High Bin chip



100% Pure Gold Bonding Wire



High Strgenth EMC/PPA Substrate



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High Reliable Silicon Gel



High Thermal Resistance Phosphor



Pure RED Copper substrate





GMKJ Top-tier Brand Suppliers



Strategic Supplier

GMKJ excels in the supply chain with a preference for top-tier brands, a strong emphasis on quality, sourcing the finest materials at the most favorable costs, and ensuring expedited delivery.





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GMKJ Key Products



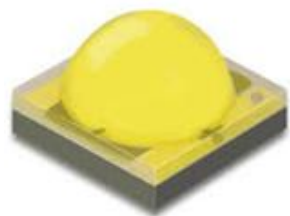
PCT 2835



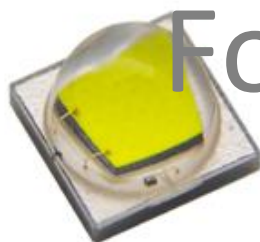
PCT / EMC3030



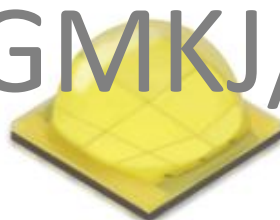
EMC 5050



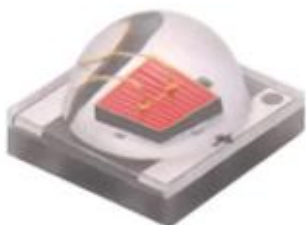
Ceramic 3535



Ceramic 5050



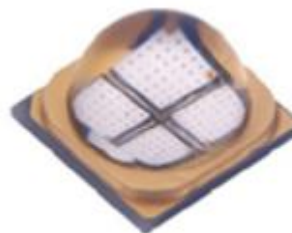
Ceramic 7070



3535 R/G/B/IR/Amber

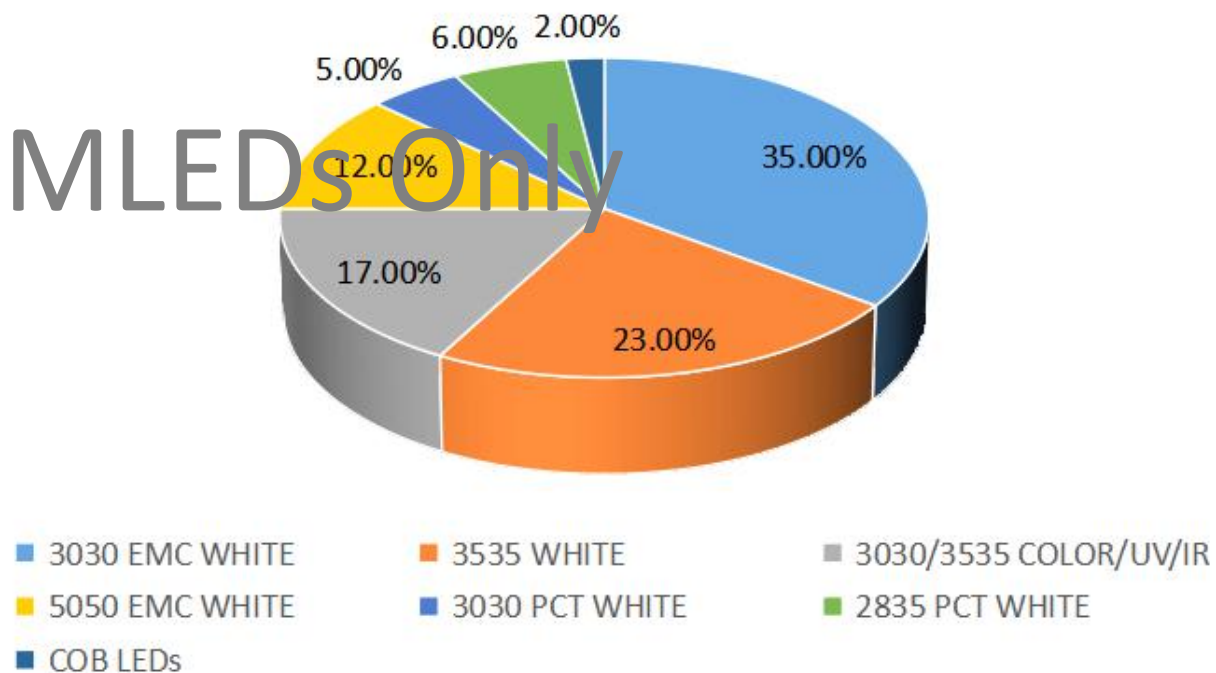


3535 UV



5050 UV/IR LED

Proportion of product sales

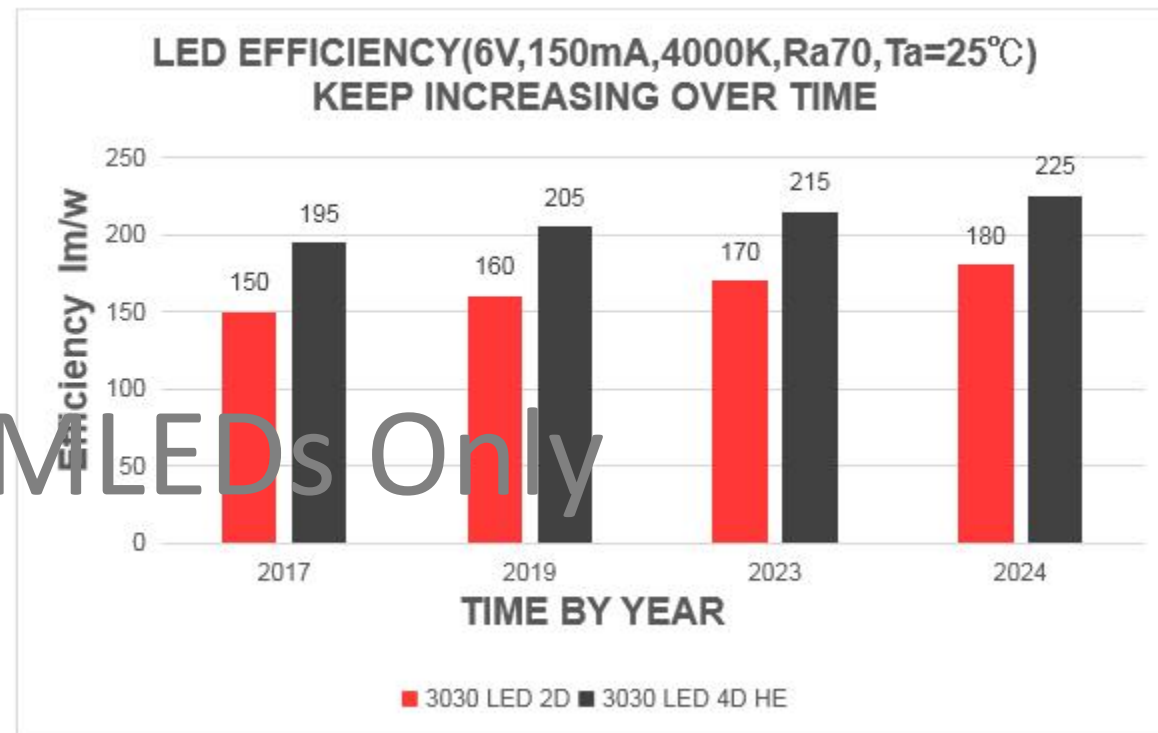




GMKJ Key Product - 3030 EMC LED



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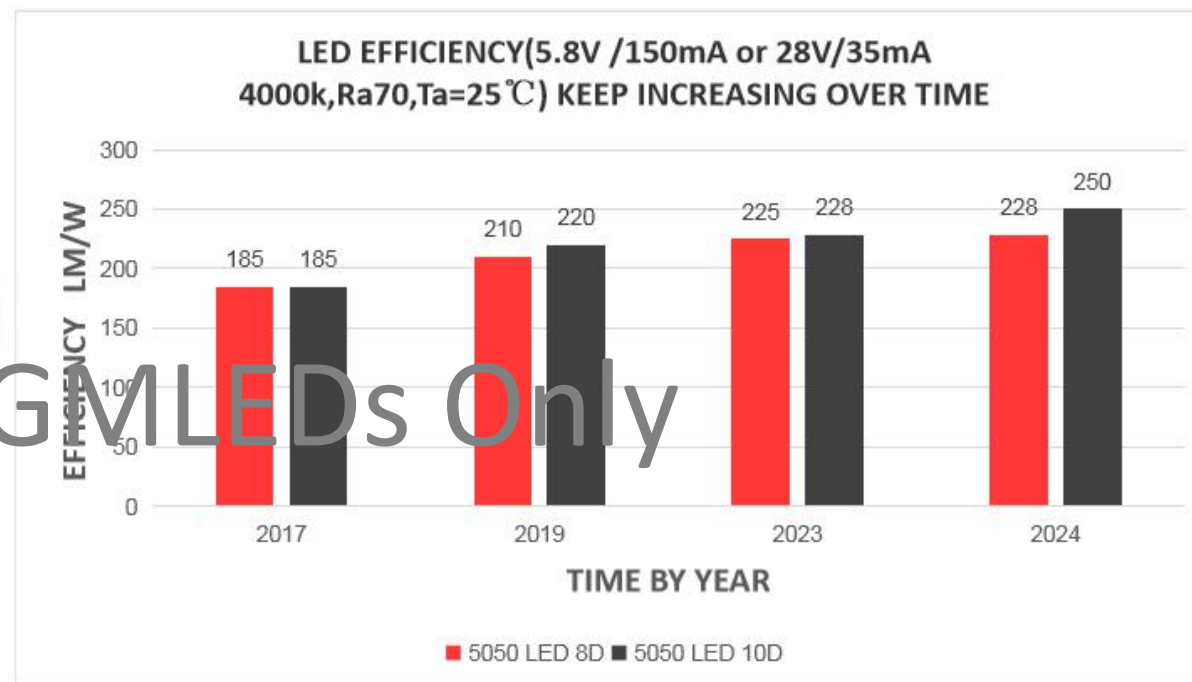
- With high cost performance, the 3030 EMC LED is always the best selling products in GMKJ since 2017. the average efficiency now has reach 225lm/w .max to 230lm/w.



GMKJ Key Product -5050 EMC LED -1W



For GMKJ/GMLEDs Only



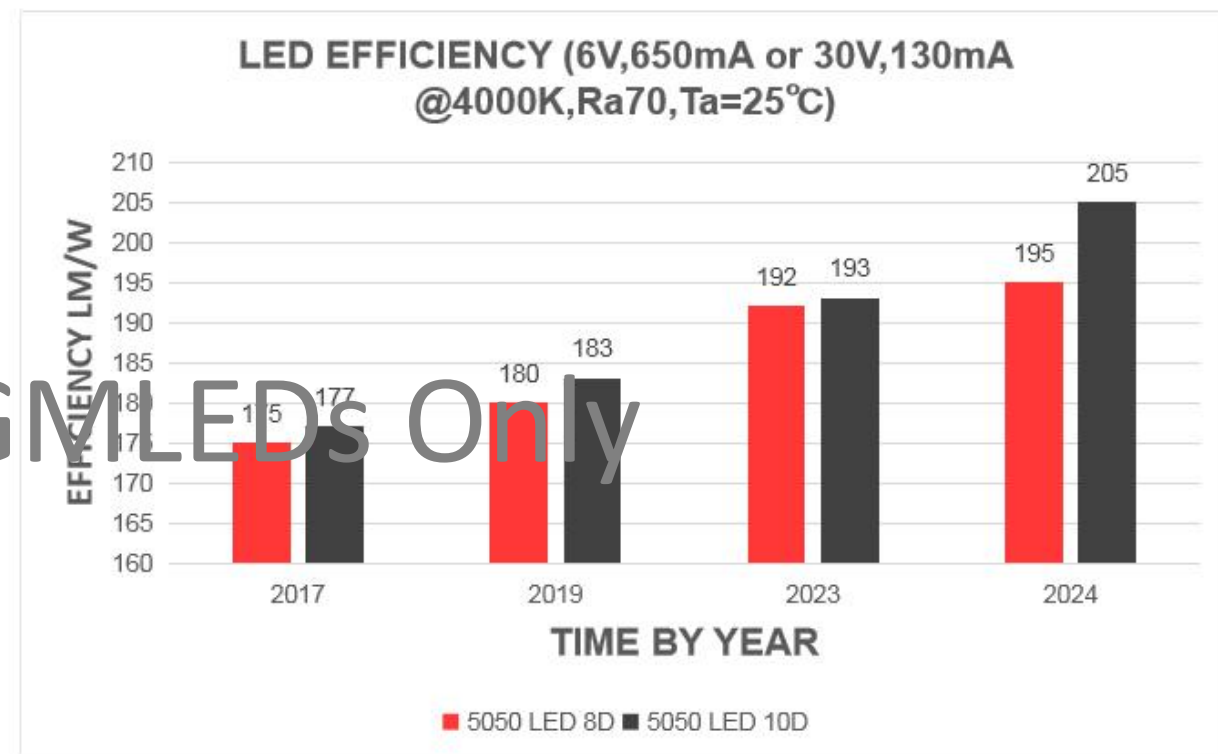
- GMKJ 5050 LED efficiency has increasing by 14% since from 2019 to 2024 (from 220lm/w to 250lm/w)



GMKJ Key Product -5050 EMC LED - 4W



For GMKJ/GMKLEDs Only



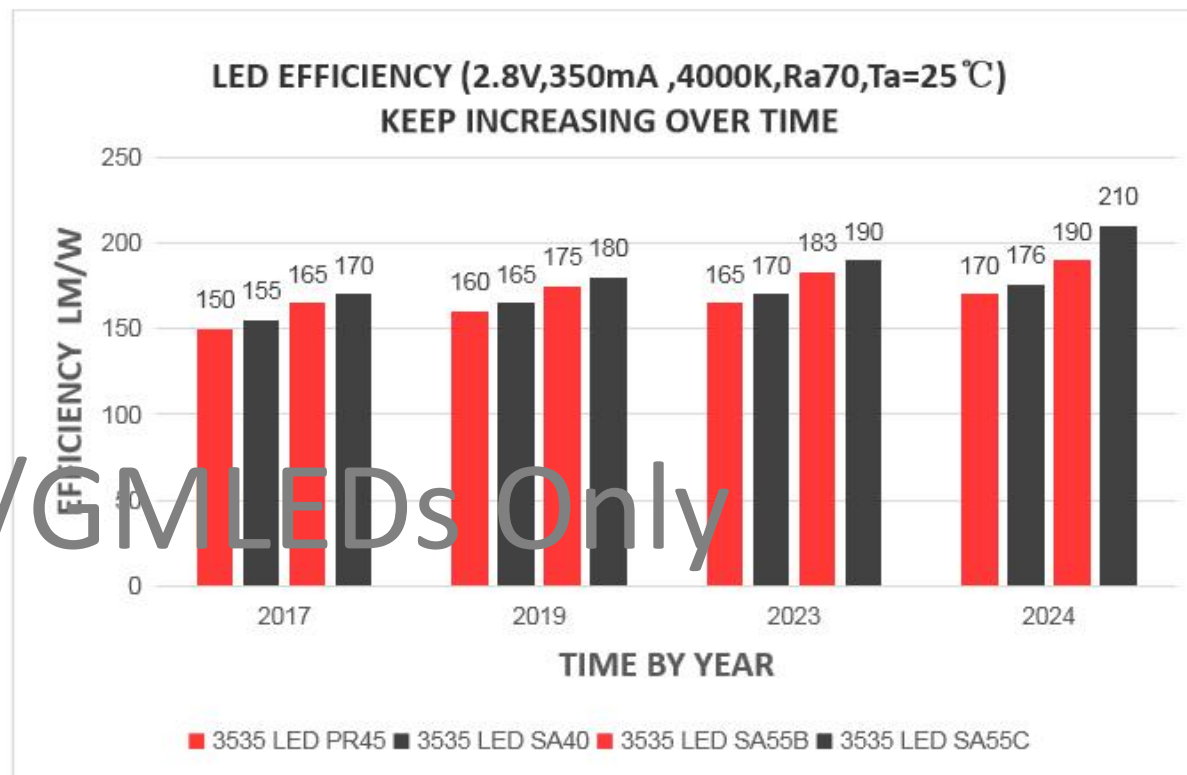
- With 10 Die and Unique Phosphor matching solution, the max Efficiency of GMKJ 5050 LED has reach 205lm/w @3.9watt ,meanwhile the Philipe LEXEON LED is around 190lm/w at same condition.



GMKJ Key Product - 3535 Ceramic LED



For GMKJ/GMLEDs Only



- By using latest LED chip and our unique phosphor nano-spraying technology. the 3535 LED's efficiency has reach over 210lm/w.
- LED max forward have increasing from 1000mA to 3000mA in past 7 years. Which makes it more suitable for high power density light fixture.



GMKJ LED-Industry&Commercial Lighting

3030

3030

产品特点 | Features

- LM-80认证
- 高光效可达230lm/w
- 高性价比户外光源替代方案
- 出色的抗UV表现
- LM80 Certificate
- High flux efficiency up to 230lm/w
- Alternative solutions for outdoor lighting
- Excellent Anti-UV performance



泛光灯
Flood Lamp



路灯
Street Light



工矿灯
High Bay

产品型号 LED Type	封装 Package	功率 (w) Power	电流 (mA) Electricity	电压 (V) Voltage	色温 (K) CCT	光效 (lm/w) FLUX	发光颜色 Color
GC-3030W600-2CZ-PR2240	PCT3030	1	150	5.8-6.4	2800-7000	170-180	W
GC-3030W600-2BZ-JC2240	PCT3030	1	350	3.0-3.4	2800-7000	180-190	W
GE-3030W370-2C2Z-JC2240	EMC3030	1	150	5.4-5.6	2800-7000	200-230	W



5050EMC

5050EMC

产品特点 | Features

- LM-80认证
- 1-5W功率选择
- 260lm/w光效方案
- 工程项目补贴首选
- 采用低电流驱动芯片定做, 让光效极致化
- 采用对称焊盘, 散热更彻底, 光型更均匀
- LM80 Certificate
- Power: 1-5W
- Lamp Efficiency can up to 260lm/w
- Perfect choice for lighting project
- Customized with low current drive chip to maximize the light effect
- Using symmetrical pads, the heat dissipation is more thorough, and the light pattern is more uniform



泛光灯
Flood Lamp



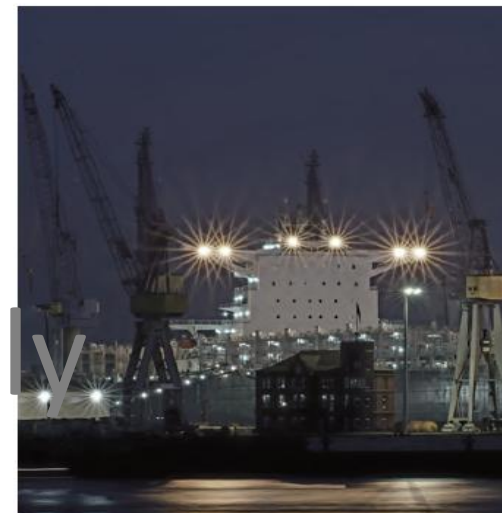
路灯
Street Light



工矿灯
High Bay



产品型号 LED Type	显指 Ra	功率 (w) Power	电流 (mA) Electricity	电压 (V) Voltage	色温 (K) CCT	光效 (lm/w) FLUX	发光颜色 Color
GE-5050W600-4C2Z-QZ2851-R70	70	1-5	180-850	5.8-6.2	2800-7000K	260	W
GE-5050W600-4C2Z-JC2240-R80	80	1-5	180-850	5.8-6.2	2800-7000K	200	W
GE-5050W600-4C2Z-JC2240-R90	90	1-5	180-850	5.8-6.2	2800-7000K	180	W





GMKJ LED-Industry&Commercial Lighting

陶瓷3535/3030

Ceramics 3535/3030

产品特点

- LM-80认证
- 角度30°/60°/90°/120°
- 支持表面贴装技术 (SMT)
- 低热阻耐高电流驱动, 发光面积小, 使用功率高, 对照度有较高要求的最佳选择
- 抗冷热变化能力极强, 耐高温和耐低温能力最佳选择适用在极端的环境下使用



工业照明
Industrial
Lighting



体育场馆照明
Stadium
Lighting



工矿灯
High Bay



舞台灯
Stage Lamp



车灯
Auto Lamp



便携式照明
Portable Light



Features

- LM80 Certificate
- $\angle 30^\circ/60^\circ/90^\circ/120^\circ$
- Support Surface Mount Technology (SMT)
- Low thermal resistance, high current drive resistance, small light-emitting area, high power, the best choice for high contrast requirements
- Extremely strong resistance to cold and heat changes, the best choice for high temperature and low temperature resistance, suitable for use in extremely harsh environment

For GMKJ/GMLEDs Only



产品型号 LED Type	封装 Package	功率 (w) Power	电流 (mA) Electricity	电压 (V) Voltage	色温 (K) CCT	光通量 (lm) Flux	发光颜色 Color
GT-3535W300-1CC0-OSR40M	陶瓷3535	1	350	2.8-3.4	2800-7000	130-160	W
	陶瓷3535	3	1000	3.2-3.6	2800-7000	300-200	W
GD-3535W300-1CD0-SA55M	共晶3535	1	350	2.8-3.4	2800-7000	170-220	W
	共晶3535	5	2000	3.2-3.6	2800-7000	500-600	W
GT-3535W600-1CD0-SA40M	陶瓷3535	1	350	2.8-3.4	2800-7000	150-180	W
	陶瓷3535	3	1200	3.2-3.6	2800-7000	500-600	W
GT-3030W300-1CC0-SL48M	陶瓷3030	1	350	2.8-3.4	2800-7000	150-200	W
	陶瓷3030	3	1000	3.2-3.6	2800-7000	400-500	W
GD-3535W300-1CD-SA77P	陶瓷3535	10	3000	3.0-3.4	2800-7000	1000-1500	W



GMKJ LED-Industry&Commercial Lighting

陶瓷5050

Ceramics 5050

产品特点

- LM-80认证
- 高亮度,高光效,高可靠性
- 高电流密度输出非常便于紧凑型,便携式灯具设计使用
- 颜色采用主流颜色为基础让人眼体验最佳的光品质
- 低热阻耐高电流驱动,发光面积小,使用功率高,对照度有较高要求的最佳选择



便携式照明
Portable Light



舞台灯
Stage Lamp



投影仪
Projector



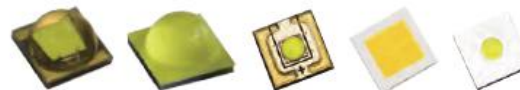
特殊照明效果
Special Effects
Lighting



Features

- LM80 Certificate
- High luminous flux,high efficacy,high reliability
- High current density output is very convenient for compact, portable lighting designs
- The colors based on mainstream color, allowing the eye to experience the best light quality
- Low thermal resistance, high current drive capability, small light emitting area, high power, the best choice for high contrast requirements

For GMKJ/GMLEDs Only



产品型号 LED Type	封装 Package	功率 (w) Power	电流 (mA) Electricity	电压 (V) Voltage	色温/波长 Wavelength	光通量 (lm) FLUX	发光颜色 Color
GD-5050W600-1CC0-05763M	陶瓷5050	10	3000	3.2-3.8	3000-7000K	800-1000	W
GD-5050W600-4BC0-SA38M	垂直四芯5050	10	3000	3.2-3.8	3000-7000K	800-1000	W
GD-5050W600-4BD0-SA55G	共晶四芯5050	20	6000	3.2-3.8	3000-7000K	2000-3000	W
GS-5050W300-4BD-SA55P	陶瓷5050	20	6000	3.2-3.8	3000-7000K	1600-2600	W
GD-5050W600-1CC1-SA73YBP	陶瓷5050	15	5A	3.6-4.2	3000-10000K	2000-2500	W
GD-5050W600-1CC1-SA73YB	陶瓷5050	15	5A	3.6-4.2	3000-10000K	2000-2500	W



GMKJ LED-Industry&Commercial Lighting

陶瓷7070 Ceramics 7070

产品特点

- LM-80认证
- 高亮度,高光效,高可靠性
- 高电流密度输出非常便于紧凑型,便携式灯具设计使用
- 颜色采用主流颜色为基础让人眼体验最佳的光品质
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便携式照明
Portable Light



舞台灯
Stage Lamp



投影仪
Projector

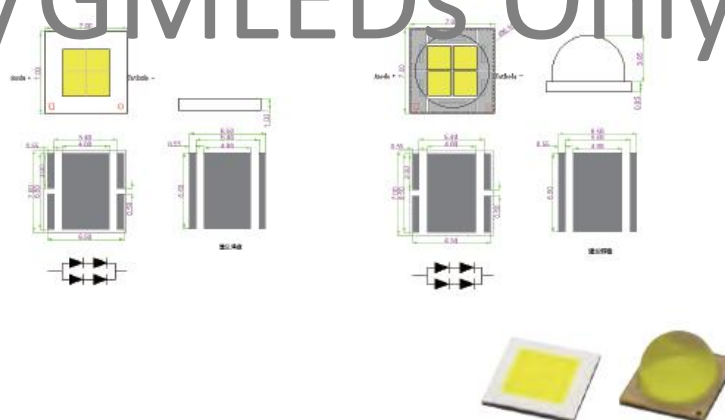


特殊照明效果
Special Effects
Lighting



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- Low thermal resistance, high current drive resistance, small light-emitting area, high power, the best choice for high contrast requirement



产品型号 LED Type	封装 Package	功率 (w) Power	电流 (mA) Electricity	电压 (V) Voltage	色温 (K) CCT	光通量 (lm) FLUX	发光颜色 Color
GD-7070W600-2C2D-SL7TP	陶瓷7070	40	6000	6.0-6.4	3000-7000	5000-7000	W
GD-7070W600-2C2D0-SL7TM	陶瓷7070	40	6000	6.0-6.4	3000-7000	5000-7000	W



GMKJ LED-Landscape Lighting

3535单/双色/白光

3535 COLOR/WHITE

产品特点

- LM-80认证
- 角度30°/60°/90°/120°
- 高亮度, 高能效, 高可靠性
- 多种光谱组合方案, 颜色可选
- 颜色采用主流颜色为基础让人眼体验最佳的光品质
- 低热阻耐高电流驱动, 发光面积小, 使用功率高, 对照度有较高要求的最佳选择



洗墙灯
Wall Washer



舞台灯
Stage Lamp



彩灯
RGB



特殊照明效果
Special Effects
Lighting

Features

- LM80 Certificate
- $\angle 30^{\circ}/60^{\circ}/90^{\circ}/120^{\circ}$
- High luminous flux, high efficacy, high reliability
- A variety of spectrum available, color optional
- The color is based on mainstream color, allowing the eye to experience the best light quality
- Low thermal resistance, high current drive resistance, small light-emitting area, high power, the best choice for high contrast requirements



产品型号 LED Type	封装 Package	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
GT-3535B450-1CZ0-GH45M	陶瓷3535	1-3	350-700	3.0-3.6	450-470	20-35	B
GT-3535G520-1CZ0-GH45M	陶瓷3535	1-3	350-700	3.0-3.6	520-530	60-100	G
GT-3535Y590-1CC0-GH42M	陶瓷3535	1-3	350-700	2.0-2.6	585-600	30-55	Y
GT-3535R620-1CC0-GH42M	陶瓷3535	1-3	350-700	2.0-2.6	620-660	25-50	R
GT-3535W3W6-2BC0-JN27M	陶瓷3535	1	350	3.0-3.4	3000-3500K	110-160	W
					6000-7000K		W
GT-3535W300-1CZ0-PR45M	陶瓷3535	1	350	2.8-3.2	1700-6500K	120-160	W
GT-3535W600-1CC0-SA38勾光	陶瓷3535	3	700	3.2-3.4	2000-6500K	200-260	W



GMKJ LED-Landscape Lighting

3535 RGB/RGBW

3535 RGB/RGBW

产品特点 | Features

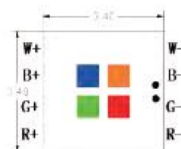
- LM-80认证
- 高亮度, 高光效, 高可靠性
- 多种光谱组合方案, 颜色可选
- 颜色采用主流颜色为基础让人眼体验最佳的光品质
- 低热阻耐高电流驱动, 发光面积小, 使用功率高, 对照度有较高要求的最佳选择
- LM80 Certificate
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- A variety of spectrum available, color optional
- The color is based on mainstream color, allowing the eye to experience the best light quality
- Low thermal resistance, high current drive resistance, small light-emitting area, high power, the best choice for high contrast requirements



洗墙灯
Wall Washer



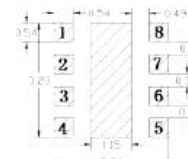
舞台灯
Stage Lamp



彩灯
RGB

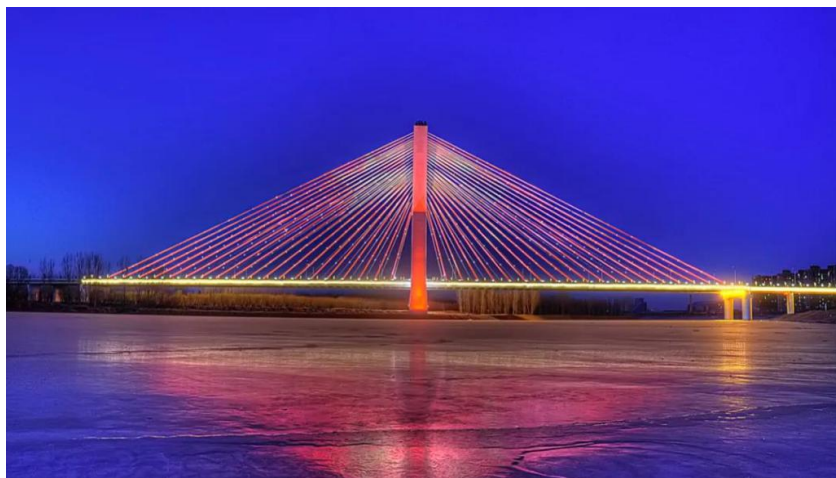


特殊照明效果
Special Effects
Lighting



建议焊盘

For GMKJ/GMLEDs Only



产品型号 LED Type	封装 Package	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
GT-3535RGB-3BC0-SA26M	陶瓷3535	1	350	2.8-3.4	B 455-470	20-30	B
				2.8-3.4	G 520-530	90-110	G
				1.8-2.4	R 620-630	40-50	R
GT-3535RGBW6-4BC0-SA26M	陶瓷3535	1	350	3.0-3.4	B 455-470	20-30	B
				3.0-3.4	G 520-530	90-110	G
				2.0-2.4	R 620-630	40-50	R
				3.0-3.4	W 3000-7000K	100-130	W
GT-3535RGBW3-4BC0-SA26P	陶瓷3535	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



GMKJ LED-Landscape Lighting

5050 RGBW/RGB

5050 RGBW/RGB

产品特点

- LM-80认证
- 角度60°/120°
- 高亮度, 高光效, 高可靠性
- 多种光谱组合方案, 颜色可选
- 颜色采用主流颜色为基础让人眼体验最佳的光品质
- 低热阻耐高温电流驱动, 发光面积小, 使用功率高, 对照度有较高要求的首选



洗墙灯
Wall Washer



舞台灯
Stage Lamp



彩灯
RGB



特殊照明效果
Special Effects
Lighting

Features

- LM80 Certificate
- ∠60°/120°
- High luminous flux, high efficacy, high reliability
- A variety of spectrum available, color optional
- The color is based on mainstream color allowing the eye to experience the best light quality
- Low thermal resistance, high current drive resistance, small light-emitting area, high power, the best choice for high contrast requirements



产品型号 LED Type	封装 Package	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-5050RGBW6-4BC0-SA38M	陶瓷5050	3	700	3.0-3.6	B 460-470	40-50	B
				3.0-3.6	G 520-530	200-240	G
				2.0-2.4	R 620-630	120-140	R
				3.0-3.6	W 3000-7000K	200-260	W
GD-5050RGB-3BC0-SA38M	陶瓷5050	3	700	3.0-3.6	B 460-470	40-50	B
				3.0-3.6	G 520-530	200-240	G
				2.0-2.4	R 620-630	120-140	R



GMKJ LED-Plant Grow Lighting

植物灯光源-陶瓷3535/3030

Growing Fixtures chips-ceramics 3535/3030

产品特征

- 高PPF值、高PPE
- 发光角度:60°/90°/120°
- 基于光合光子通量 (PPF) 分档及测试
- LM-80认证
- 红光产品PPE 4.8 μmol/J
- 精准提供植物吸收光子关键波长 (蓝光450nm、深红660nm、远红光730nm)
- 全光谱, 可根据苗期、生长、开花、结果不同阶段定制服务

Features

- High PPF,High PPE
- Lighting degrees:60/90/120 degress
- Binning and Testing based on Photosynthetic Photon Flux(PPF)
- LM80 Certificate
- Red led PPE 4.8 μmol/J
- It can provide precise wavelength photons key (blue 450nm Deep red 660nm Far red 730nm)
- Full spectrum available;Customization services for different stages from seedling, Growth, Flowering to Fruiting

For GMKJ/GMLEDs Only



产品型号 LED Type	封装 Package	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-GH38	PCT3030	1	350	2.8-3.4	450-470	15-35	B
GC-3030G520-1CZ-GH40	PCT3030	1	350	2.8-3.4	520-530	40-60	G
GC-3030Y590-1CC-GH38	PCT3030	1	350	2.0-2.4	590-595	20-40	Y
GC-3030Y620-1CC-GH38	PCT3030	1	350	2.0-2.4	620-660	20-30	R



产品型号 LED Type	封装 Package	功率 (w) Power	电流 (mA) Electricity	电压 (V) Voltage	色温/波长 (nm) Wavelength	PPE (μmol/J) PPE	发光颜色 Color
GT-3535B450	陶瓷3535	1-3	350	3.0-3.4	450	2.0-2.8	B
GT-3535R660	陶瓷3535	1-3	350	2.0-2.2	660	3.0-4.8	DR
GT-3535R730	陶瓷3535	1-3	350	1.6-2.0	730	300mw	FR
GT-3535W400	陶瓷3535	1-3	350	3.0-3.4	4000K	2.8-3.1	W
GT-3535W600	陶瓷3535	1-3	350	3.0-3.4	6000K	2.8-3.1	W
GT-3535W300	陶瓷3535	1-3	350	3.0-3.4	3000K	2.8-3.1	W
GF-3535W600	陶瓷3535	1-3	350	3.0-3.4	6000K	2.8-3.1	W
GT-3030B450	陶瓷3030	1-3	350	3.0-3.4	450	2.0-3.0	B
GT-3030R660	陶瓷3030	1-3	350	2.0-2.2	660	3.0-4.8	DR
GT-3030R730	陶瓷3030	1-3	350	1.6-2.0	730	300mw	FR



GMKJ LED-Infrared LED Applications

IR-陶瓷
IR-Ceramics

产品特征

- LM-80认证
- 陶瓷封装
- 低热阻, 高可靠性



安防监控
Security monitor



红外摄像机
Infrared camera



遥控器
Controller



虹膜识别
Pupil recognition



无人驾驶
Unmanned



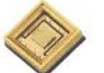
工业检测
Industrial inspection

Features

- LM80 Certificate
- Ceramic package
- Low thermal resistance, high reliability

For GMKJ/GMLEDs Only



	产品型号 LED Type	功率 (w) Power	电流 (mA) Electricity	电压 (V) Voltage	波长 (nm) WAVELENGTH	辐射通量(mw) Flux
	GT-3535R850-1CC0-GH42M	1-3	350mA-1A	1.4-2.0	810 850 940	200-600
	GT-3535R62W60-2BC0-JN36M	1-3	R 350 W 350	R 1.4-2.0 W 3.0-3.4	R 850 W 6000-7000k	R 300 W 90-120lm
	GD-5050R850-4BC0-LS45M	1-8	2A (MAX:4A)	2.8-3.4	810 850 940	1000-3000
	GD-3535VS808-1CC1-GD43B (VCSEL激光)	8	4A	2.0-2.5	808 850 940	3500-4000

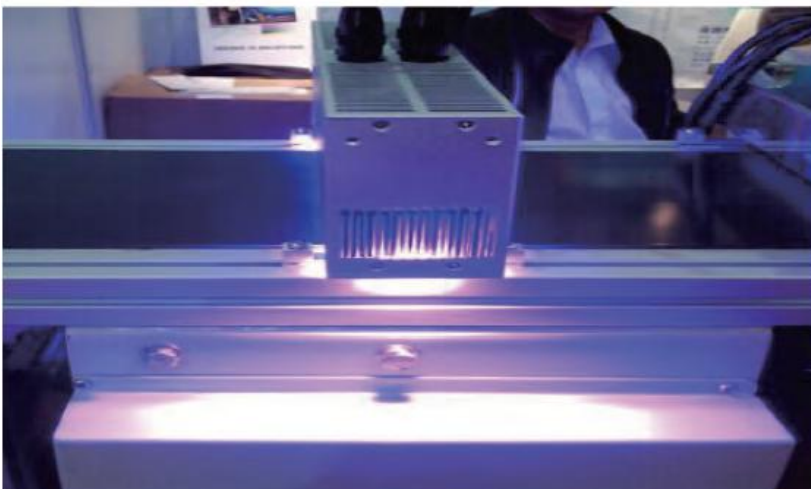


GMKJ LED-Plant Grow Lighting

UVA
UVA

产品特点 | Features

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



模组定制 | Module Customization



For GMKJ/GMLEDs Only

	产品型号 LED Type	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-SA45M	2	500	3.4-4.0	390-405 365-370	800-1400 600-1200
	GD-5050B39P36-2C2Z0-SA45M	7	2A	3.4-4.0	390-405 365-370	3500-5000 2500-4000
	GZ-1408P390-1CC1-GH45M	2	500	3.4-4.0	390-405 365-370	800-1200 600-1000
	GD-3535P365-1CC0-SA45B	4	1A	3.2-3.6	365-370	1000-1400
	GD-6868P365-2C2C0-SA45B	14	2A	6.8-7.2	365-370	3000-4000
	GD-8585P400-8C2D-JY45B	40	1400	28	400-410	14000-18000
	GD-1212P400-12C3D-JY45B	88	2100	42	400-410	30000-35000



GMKJ LED-Medical & Beauty Industry

医疗美容系列

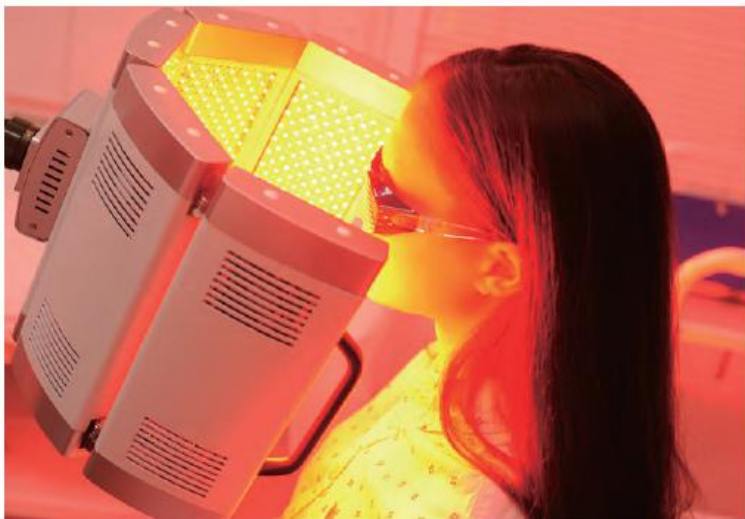
Medical Beauty Series

产品特点

- 低热阻, 高可靠性
- 光学控制, 实现精确光控
- 应用: 光子嫩肤仪、RF射频美容仪、热敷冷疗仪、美眼仪、红蓝光治疗仪、大排灯、光疗面罩、美白太空舱、红光红外理疗腰带、红光红外理疗鞋垫、红光红外理疗床垫、红光红外理疗瑜伽垫、红光红外护颈仪、红光红外护膝

Features

- Low thermal resistance, high reliability
- Precision optical control
- Applications:
Photon skin rejuvenation instrument, RF rf beauty instrument, hot compress cold therapy instrument, eye beauty instrument, red and blue light therapeutic instrument, large array of lamps, phototherapy mask, whitening space capsule, Red infrared physiotherapy belt, red infrared physiotherapy insole, red infrared physiotherapy mattress, red infrared physiotherapy yoga mat, Red infrared neck protector, red infrared knee protector



产品型号 LED Type	封装 Package	功率 (w) Power	电流 (mA) Electricity	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-GH20M	陶瓷3535	0.2	100	2.0-2.4	590 830
GT-3535RYR83-3BC6-GH20M	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



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For GMKJ/GMLEDs Only
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Team Building



Strict Quality Control

IQC - Material



IQC -Material

1. Visual Inspection.
2. Dimensional Inspection.
3. Optical Inspection.

PQC -Production

1. Visual Inspection.
2. Electrical Testing.
3. Reliability Testing.
4. Sampling Inspection.

Braiding



Delivery



For GMKJ/GMLEDs Only

PQC -Production



Reel-Braiding

1. Static Electricity Control.
2. Cleanliness, Temperature and Humidity Control.
3. Reel Handling.
4. Braiding Tension and speed.

Delivery

1. ensure package is intact and undamaged
2. Verify proper anti-static measures
3. Inspect label information



Strict incoming material inspection



LED Chip

01

There are no scratches, black spots or discoloration on the chip surface.

02

The chip must not be cracked, voided, poorly cut, or have missing corners or multiple corners.

03

The chip size must comply with the size specified in the material approval certificate.



Gold wire

01

No breakage is allowed inside the gold wire, and there should be no debris visible to the naked eye,

02

verify push-pull force requirements ;

03

High current testing, the gold wire is not allowed to fuse.



Silicon Glue

01

No agglomeration or allowed; the powder should have uniform size distribution without any obvious differences.

02

After the silicone sealant is sealed, place it on a 260°C heating table for 4 hours without any cracking or discoloration.

03

Test the chip thrust after baking, which must meet the thrust requirements.

For GMKJ/GMLEDs Only



Strict incoming material inspection



Phosphor

01

The color of the phosphor is visually consistent with the requirements.

02

The powder is not allowed to change color under heating with 150°C.

03

Make LED sample age at 500mA for 24 hours. The LEDs are not allowed to change color, have severe light decay, or have color temperature change.



Base Bracket

01

The surface shall not have burrs, bevels, roughness, debris, chemicals or oil residues.;

02

The dimensions are consistent with the material specifications.

03

Put sample into a 150°C oven for 2 hours and there should be no blistering, peeling, discoloration, etc



Lens

01

The surface shall not be unevenly plated, crushed, blister, discolored, oxidized, or plated.

02

The dimensions are consistent with the material specifications.

03

Place LED on a 200°C heating table for 10 minutes. No deformation or falling off of the lens is allowed.

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Production Quality Control



Visual Inspection

Check for any defects or abnormalities during the packaging process, such as misalignment, voids, or contamination. Ensure the appearance and workmanship quality.



Photoelectricity Testing

Measure the forward voltage, reverse leakage current, Luminous efficiency, CCT and other electrical parameters. Verify the LED performance meets the specifications.



Reliability Testing

Conduct reliability tests, such as thermal cycling, high-temperature and high-humidity storage, and life testing. Ensure the LED packages can withstand the expected operating conditions.



Sampling Inspection

Perform sampling inspection on finished products to monitor the overall quality. Adjust the sampling plan based on the inspection results and feedback.

品质优先
服务优质
价格合理
客户顾问

专业高品质定
制化供应商



Technical Training Schedule



Guangmai Electronics Training Schedule Q1 -Q2



item	participant	training contents	time	keynote speaker
1	Sales department, quality personnel, technical department personnel	Packaging process parameter optimization And quality problem analysis and solution"	2H	Li feng
2	Sales department, production supervisors, quality department personnel	Latest LED product structure and characteristics Application area and market dynamics"	3H	Ye Guangkai
3	Die bonding station operators, supervisors, quality department personnel	Common product models, basic concepts, quality requirements, operational precautions	2H	Sun wuyong
4	Wire bonding station operators, supervisors, quality department personnel	Common product models, basic concepts, quality requirements, operational precautions	2H	Xiangwang
5	Phosphor coating station operators, first article inspectors, quality department personnel	Analysis of common phosphor coating abnormalities, classification of commonly used glue and powder, operational precautions	2H	Sun wuyong
6	Sales department, marketing department personnel	Product knowledge training: Medical and beauty LED application areas and market dynamics"	1.5H	Li feng



Technical Training Schedule



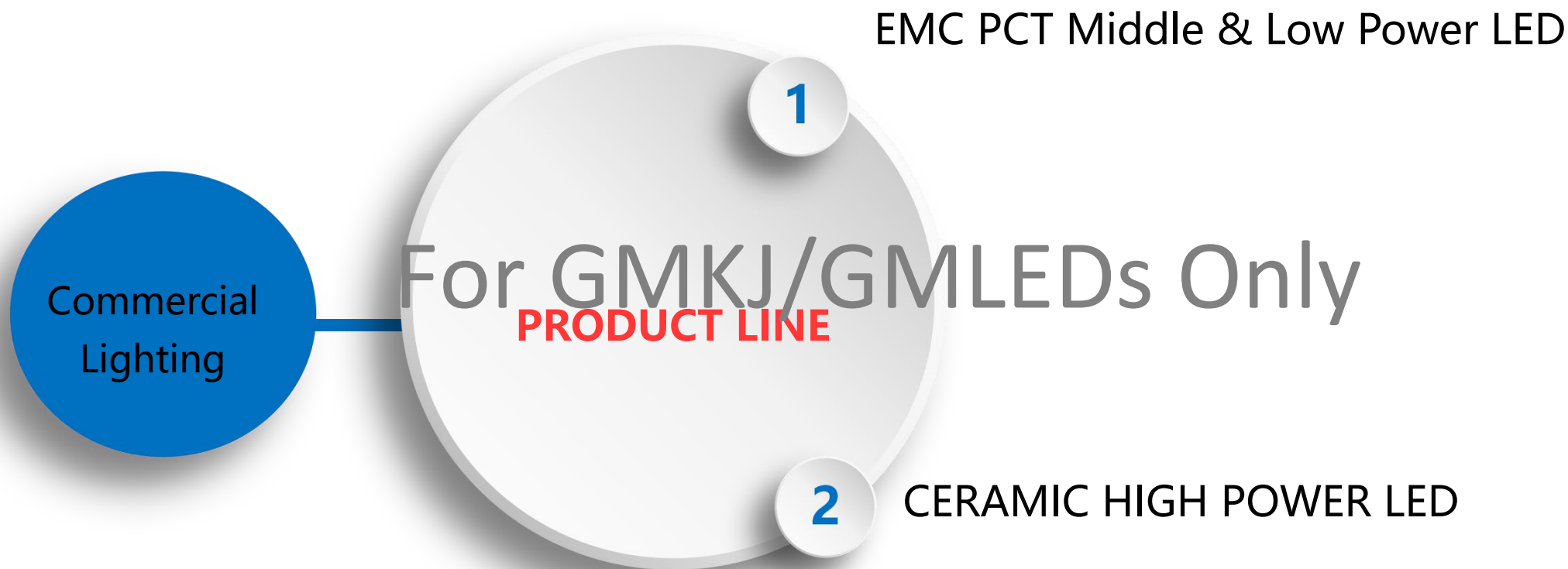
Guangmai Electronics Training Schedule Q1 -Q2



7	Sales department, production supervisors, quality department personnel	1. Interpretation of customer technical requirements 2. Product quality standards and certifications"	2H	Qiu Guangfu
8	end-sector operators, quality department personnel	Work procedures, operating techniques, equipment operation specifications	2.5H	Sung Wuyong/ Zhou shanwen
9	All packaging workshop personnel	5S on the production line, safety, workshop management system	1.5H	Wu Gang
10	Die bonding station operators, supervisors, quality department personnel	Die bonding equipment safety specifications, engineering process flow and quality requirements	2H	Sung Wuyong/ Zhou shanwen
11	Wire bonding station operators, supervisors, quality department personnel	Wire bonding equipment safety specifications, engineering process flow and quality requirements	2H	Xianwgang/ Zhou shanwen
12	Phosphor coating station operators, first article inspectors, quality department personnel	Phosphor coating equipment operation specifications, process flow and quality requirements	2H	Li feng
13	end-sector operators, quality department personnel	Safe production, common abnormality analysis, warehouse labeling specifications	1.5H	Wugang / Zhou shanwen
14	Maintenance group, quality department personnel	Daily maintenance of Packaging equipment Troubleshooting and repair of common faults Spare parts management and replacement"	1.5H	Zhou shanwen

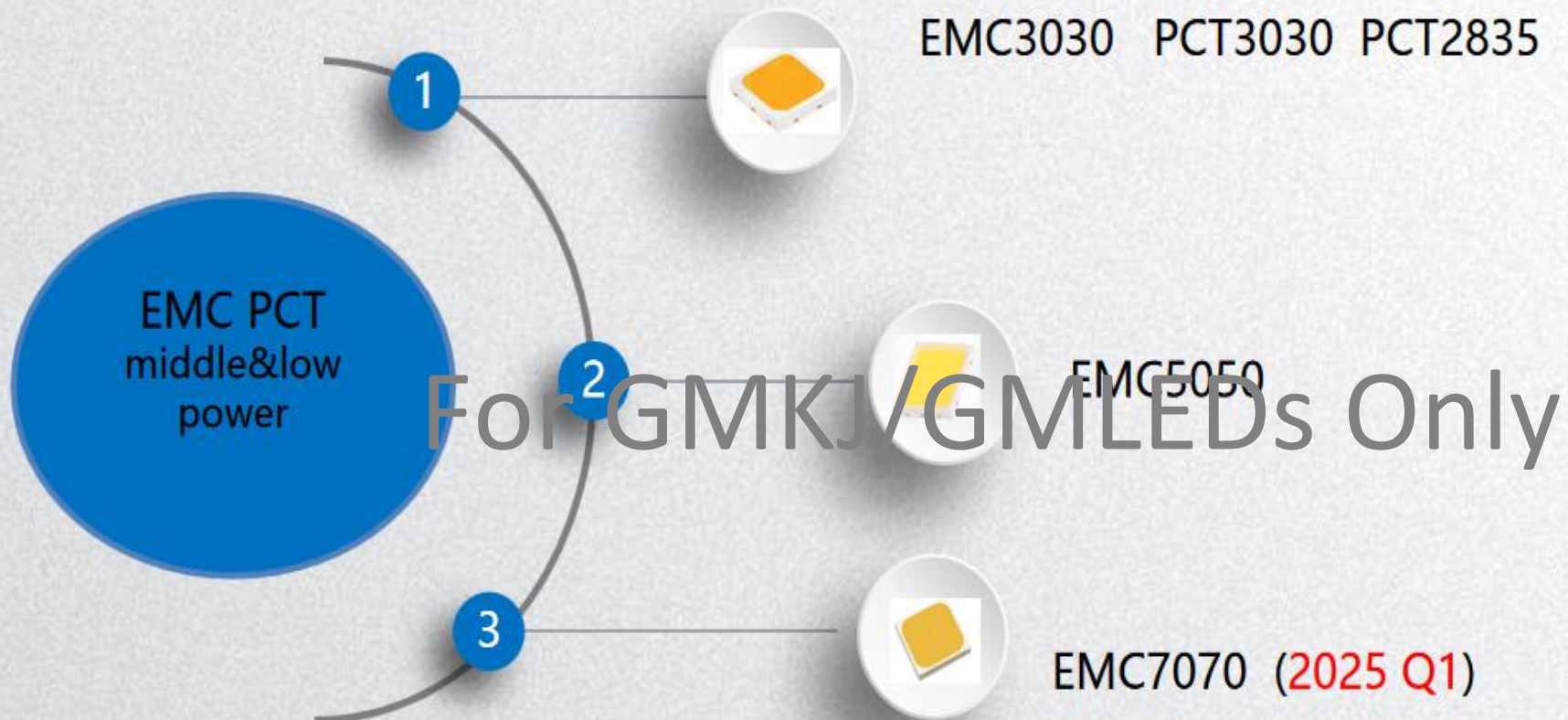


2024 R&D Project Plan



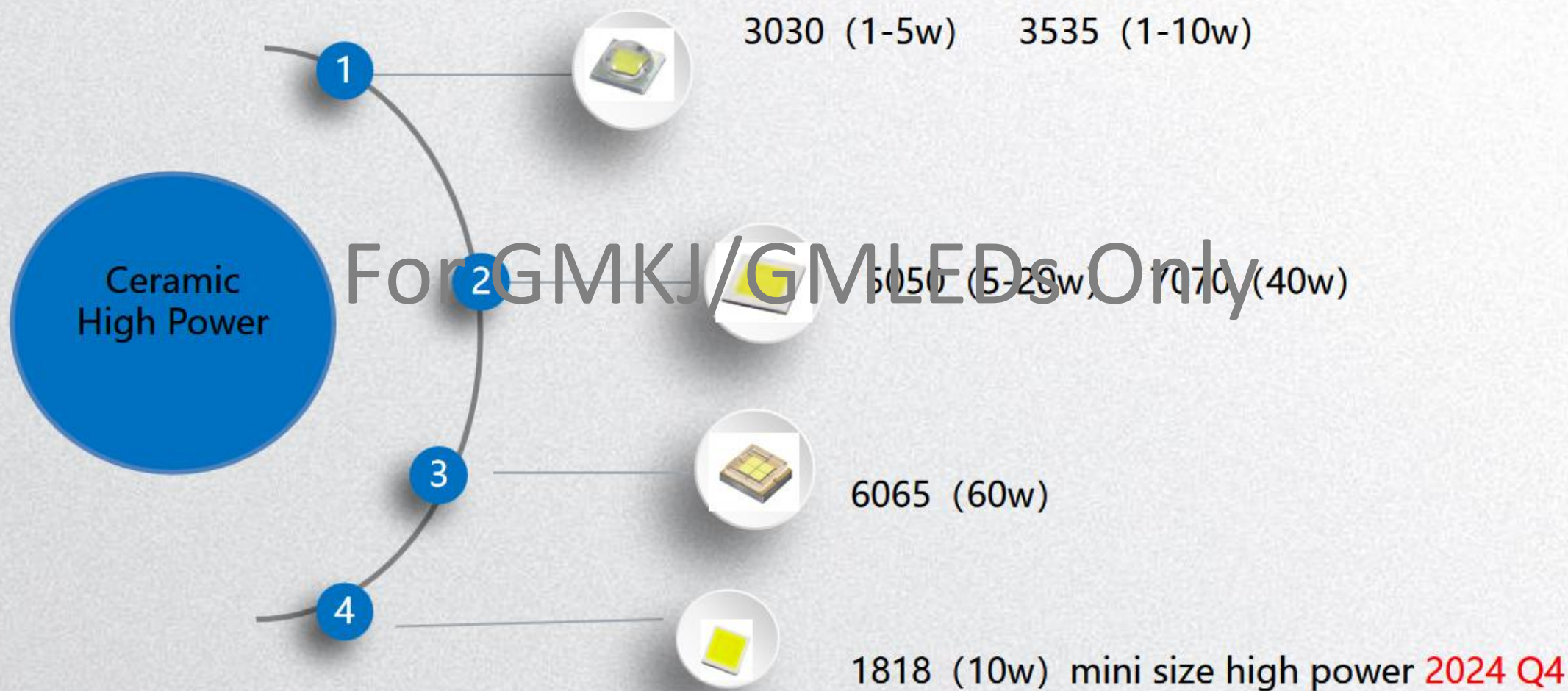


2024 R&D Project Plan





2024 R&D Project Plan



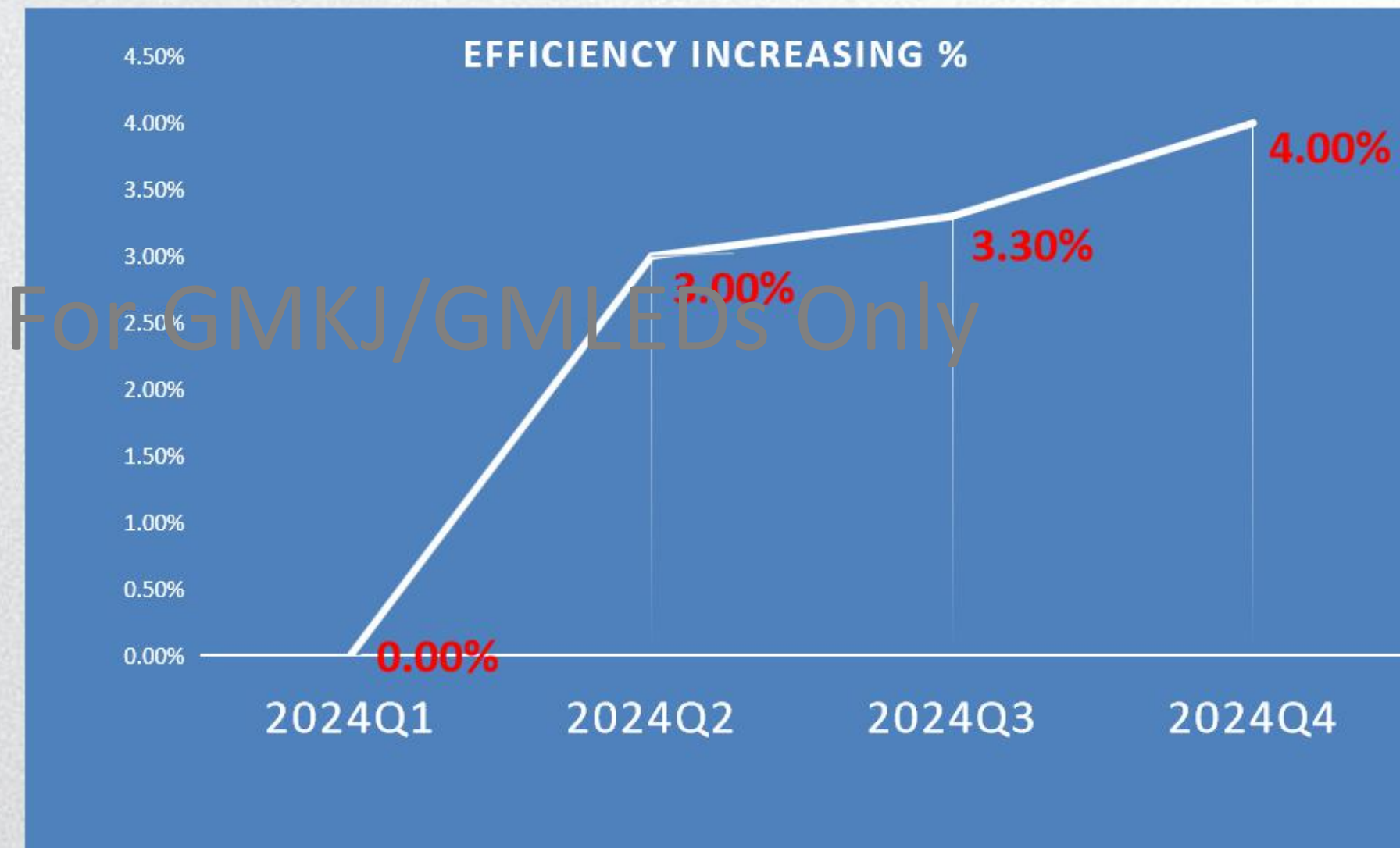


2024 R&D Project Plan

2024Q2

3030EMC MAX
230lm/W

5050EMC MAX
255lm/W

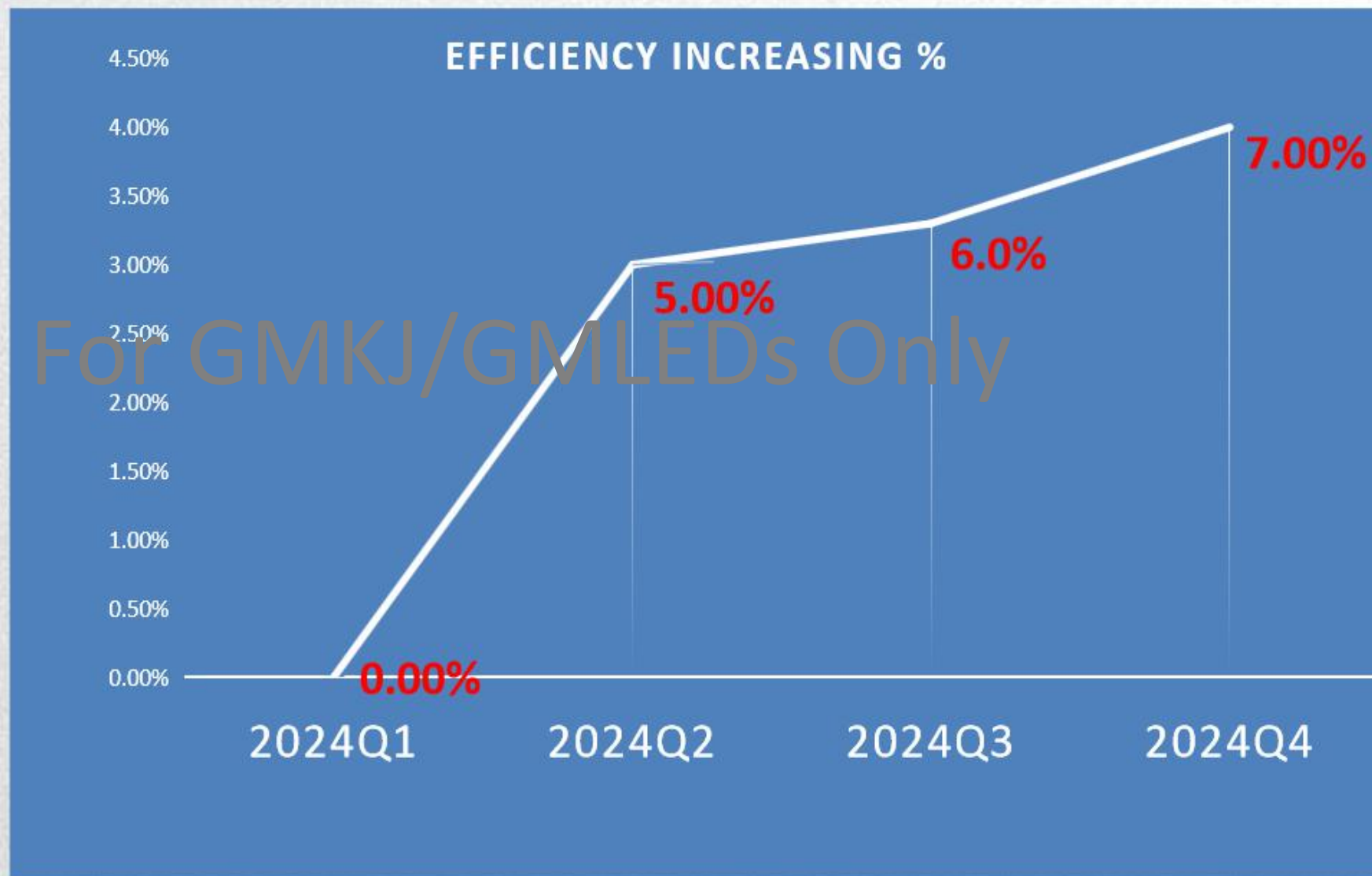




2024 R&D Project Plan

2024 Q2

3535 MAX 223lm/W





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GMKJ Strategic Business Partner



Business Partner

GMKJ work with over 1200 clients worldwide, including 30+ well-known brands. While the list shown represents only some of our strategic partners, our main goal is to collaborate with high-quality brands. We believe that consistently delivering excellent products and services is essential for our success as a top-notch brand.



创意感动生活
The Creative Life



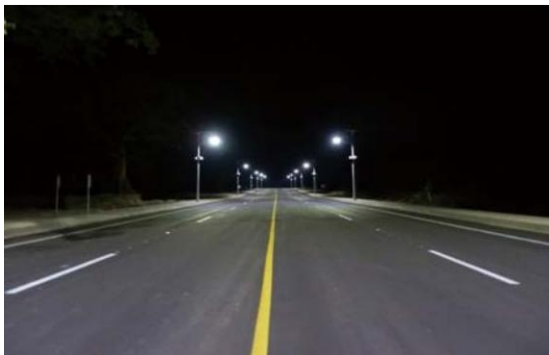


2024 R&D Project Plan



Case Sharing

We have extensive experience in overseas projects, spanning over 5 years, and maintain good working relationships with local lighting engineering companies.



LED street Light ,
Highway Road Project,
俄罗斯SKT集团合作工程项目



LED High bay light ,
University football field lighting in AUG,
墨西哥MAGG的足球场项目



LED industrial light ,
Basketball court project,
与Thorn Lighting在英国中学的体育馆项目



LED industrial light ,Factory Project,
德国LiteMaster的设计项目



LED flood Light for city Center
park project,
与FLS Lighting在中国



LED flood light,
Museum lighting solution,
澳洲Gerard Lighting博物馆项目



GMKJ Partner Projects



Case Sharing

World biggest oil company- Saudi Aramco and SABIC sign oilfield lighting contract, with the latter utilizing GMKJ high-efficiency LED technology to create customized solutions. This aims to enhance nighttime operational efficiency and safety, meet Saudi Aramco's growing lighting demands, and drive the digitalization of the country's energy industry, marking a new phase in the deep collaboration between the two energy giants.



Saudi Aramco OIL FIELD lighting project by SABIC in Saudi Arabia,
SABIC 公司承接的位于沙特阿美石油公司油田照明项目



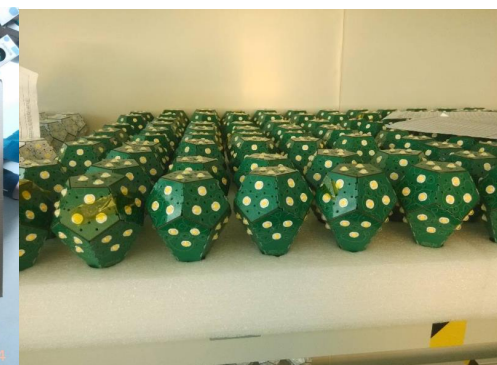
GMKJ Partner Projects



Case Sharing

Asia's richest man, Li Ka-shing, invested in Nanoleaf, an 5 million USD project of LED bulb project on Kickstarter Platform at its earlier time. It was touted as the world's brightest LED bulb at the time of year 2012, with a light efficiency of up to 180lm/w in 2012.

The project was developed and manufactured by a team of Canadian engineers led by Tom Samna with GMKJ Engineering team in GMKJ Factory over a span of 6 years.



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Family Culture & Team Building

1. Employee birthday celebration and Christmas celebration.
2. Life conversation between management team and employees.
3. Employee's birthday Party in Karaoke.
4. Factory workers celebrate the Winter arriving Festival.





Family Culture & Team Building

1. Company 2016
Year-end
Celebration
2. Company 2018
Xiamen Travel
3. Company 2017
Zhangjiajie, Hunan
Travel
4. Company 2019
Summer Outdoor
Teambuilding Event





Family Culture & Team Building

1. Company 2016
Year-end
Celebration
2. Company 2018
Xiamen Travel
3. Company 2017
Zhangjiajie, Hunan
Travel
4. Company 2019
Summer Outdoor
Teambuilding Event





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