

Ultimate Efficacy – Only from HIGNTEK

极致高光效，必有HIGNTEK

HIGH-EFFICACY LED CHIP

PRODUCT CATALOG

ENGINEERED FOR
HIGH-EFFICACY LIGHTING

专为高光效照明而设计

WHATSAPP



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ABOUT US 公司介绍

Ultimate Efficacy- Only from HIGNTEK

极致高光效，必有HIGNTEK

Higntek specializes in the development and manufacturing of high-performance, high-efficacy LED. Driven by a commitment to continuously push the boundaries of luminous efficacy, reliability, and long-term stability, we are dedicated to delivering more efficient, reliable, and competitive LED solutions to lighting companies worldwide.

By turning higher luminous efficacy into more usable light, and reliable quality into long-term value, HIGNTEK empowers every LED to unlock greater possibilities for the next generation of high-efficiency lighting.

以更高光效释放更多光能，以更可靠品质创造长期价值——赋能每一颗LED打造更高效、更具竞争力的下一代照明产品

Higntek 专注于高性能、高光效 LED 光源的研发与制造，以持续突破光效、可靠性与长期稳定性的技术边界为核心理念，致力于为全球照明企业提供更高效、更可靠、更具竞争力的光源解决方案。

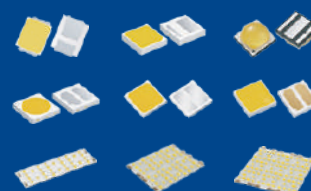
PRODUCT PORTFOLIO 产品概览

High-Efficacy LED Product Matrix

高光效产品矩阵

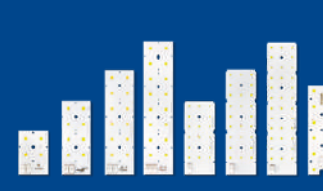
Our high-efficiency LED portfolio covers mainstream packages including 2835, 3030, and 5050, built on a mature LED technology platform. We combine customized LED module development with optical solutions and integrated supporting components, supporting customers from high-efficacy light sources to tailored lighting solutions.

我们的高效LED产品系列涵盖主流封装类型，覆盖2835、3030和5050，基于成熟的LED技术平台，融合模组定制开发、光学方案与周边配件整合能力，为客户提供从高效光源到定制化照明解决方案的全方位支持。



Hign-Efficacy LED Chip

高光效LED灯珠



Standard LED Module & Custom Development

LED标准模组&定制开发



Integrated Accessories

周边配件整合

Certification Reports

认证报告

All product series are certified to international standards and have passed third-party reliability testing. Original test reports are available upon request.

全部产品系列均通过国际标准认证与第三方可靠性测试，报告原件可应要求提供。



LM-80
光通维持率测试

Lumen Maintenance Test · LED光通维持率测试标准





ROHS
有害物质限制指令

Restriction of Hazardous Substances · 欧盟电子电气有害物质限制





IEC 62778
光生物安全认证

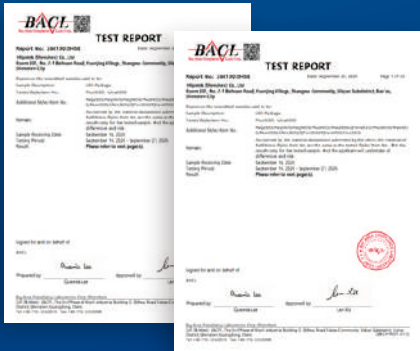
Blue Light Hazard · 蓝光危害风险分级





REACH
化学品注册与评估

EU Chemicals Regulation · 欧盟化学品注册、评估、授权



HIGNTEK LED · PRODUCT MATRIX 产品矩阵

Standard to Flagship 7 Series Precise Coverage

从标准到旗舰 · 7大系列精准覆盖

Full-scenario LED chip selection guide 全场景 LED 灯珠选型指南

◆ Same Wattage, Double Brightness 同等功率 · 双倍亮度

STRATEGIC POSITIONING - Performance Matrix 战略定位-性能矩阵





Reg
Regular High-Efficacy Baseline
常规高光效基准系列



Plus
Plus High-Efficacy Value Series
升级性价比高光效



Clux
Ceramic Luminous Excellence Series
陶瓷高光效卓越系列



Max
Maximum Luminous Efficacy at Low Current Series
小电流极致光效系列



Ultra
Ultra-High Luminous Efficacy at High Current Series
大电流超高光效系列



QTen
Quality 10-Year Ultra-High Luminous Series
质保10年超高光效系列



ESub
Elite Eutectic Substrate Ultra-Efficacy Series
精英共晶基底超高光效系列



Full Coverage
全场景全矩阵覆盖
R/P/C/M/U/Q/E

Three Core Technologies

三大关键技术

Silver-free packaging with zero sulfurization · Eutectic bonding for SMT-free assembly · RG0 blue-light safety — three key technologies that enhance LED reliability and safety.

无银封装0硫化·共晶工艺免SMT·RG0蓝光安全—三大关键技术构建灯珠可靠性与安全性壁垒。

01

Silver-free packaging · 0 sulfurization

无银封装 · 0硫化

Silver-free packaging throughout the entire structure, with zero silver in the lead frame, die-attach materials, and internal components, eliminates reactive materials at the source to prevent sulfur corrosion, electrode blackening, and lumen depreciation, delivering significantly enhanced long-term reliability in harsh corrosive environments.

全链路无银封装设计，支架、固晶介质、内部辅料零银材质，从化学反应源头消除反应基材，彻底杜绝硫化腐蚀、电极发黑、亮度衰减等行业通病，恶劣腐蚀环境下长期可靠性大幅提升。

Zero sulfide 0硫化

Zero silver 0含银

No electrode blackening 无电极黑化

10-Year warranty solution 质保十年

02

Eutectic process · no SMT

共晶工艺 · 免SMT

Vacuum eutectic metallurgical bonding forms a monolithic solid state joint with full area contact, no dangling wires and no weak individual solder joints. Bond strength far exceeds gold wire bonding, with larger conductive and thermal paths, lower internal resistance, lower temperature rise, and reduced line loss. Heat resistance and thermal shock performance are enhanced at the structural level.

真空共晶冶金熔接工艺实现一体化固态结合、全域面接触导通，无悬空引线、无薄弱独立焊点，结合强度远超金线点焊。导电导热通路更大，内阻更低、温升更小、线路损失更少，从结构根源提升耐热与抗冷热冲击性能。

"0" thermal resistance “0” 热阻

Zero source loss 光源 “0” 损耗

"0" wires “0” 线材

Reliability 可靠性

03

RG0 Blue Light Safety

RG0 蓝光安全技术

Tailored to customer needs, blue light hazard is controlled within the RG0 exempt to RG1 low risk range, safeguarding healthy lighting

可根据客户定制需求，将蓝光危害控制在 RG0豁免级—RG1低风险区间，守护健康照明。

RG0 Exemption Level RG0豁免级

IEC62778

×

R

Reg Series

Standard high-efficacy baseline 标准高效基准

P06

KEY MODELS

· R2835-A235

P07

· R2835-A230F

P09

· R2835-B230F

P11

· R2835-C230F

P13

· R2835-E235F

P15

· R3030-B215

P17

· R2835-A225F

P08

· R2835-A235F

P10

· R2835-B240F

P12

· R2835-C240F

P14

· R3030-B190

P16

· R3030-B215

P18

↗

P

Plus Series

Upgraded value-performance 升级性能性价比

P19

KEY MODELS

· P3030-B200

P20

· P3030-B235

P22

· P5050-F235

P24

· P3030-B215

P21

· P5050-F225

P23

· P5050-F245

P25

◆

C

CLux Series

Premium High-Efficacy Ceramic 高端高光效陶瓷

P26

KEY MODELS

· C3535-A215

P27

· C3535-A240

P29

· C3535-A230

P28

★

M

Max Series

Low-current peak efficacy 低电流极致光效

P30

KEY MODELS

· M2835-A250

P31

· M2835-C250

P33

· M2835-B250F

P35

· M2835-E250F

P37

· M2835-F250

P39

· M2835-B250

P32

· M2835-A250F

P34

· M2835-C250F

P36

· M5050-B245

P38

· M5050-F260

P40

▲

U

Ultra Series

High-current ultra-efficacy 大电流超高光效

P41

KEY MODELS

· U3030-B245

P42

· U5050-B265

P44

· U5050-F265

P46

· U5050-F255B 7%

P48

· U5050-B255

P43

· B5050-F255

P45

· U5050-F255B 1%

P47

★

Q

QTen Series

10-year warranty ultra-efficacy 十年质保超高光效

P49

KEY MODELS

· Q3030-B255

P50

· Q5050-B245

P52

· Q5050-B270

P54

· Q5050-F255

P56

· M2835-B270

P51

· Q5050-B255

P53

· Q5050-F245

P55

· Q5050-F270

P57

E

ESub Series · Eutectic Substrate Flagship

Technology leader + peak efficacy Eutectic substrate custom solutions (contact sales)
技术引领 + 峰值光效 · 共晶基板定制方案（联系销售）

P58-59

◆ Flagship Technology

Same Wattage · Double Brightness

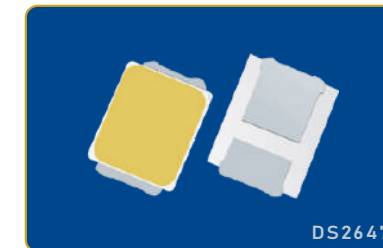
同等功率 · 双倍亮度



REG SERIES

Reg 2835-A235

Regular high luminous efficacy · 2.8mm x 3.5mm PPA
常规高光效 · 2.8mm x 3.5mm PPA



235

Lm/W
Max Efficacy @0.05W

0.5

W
Max Power

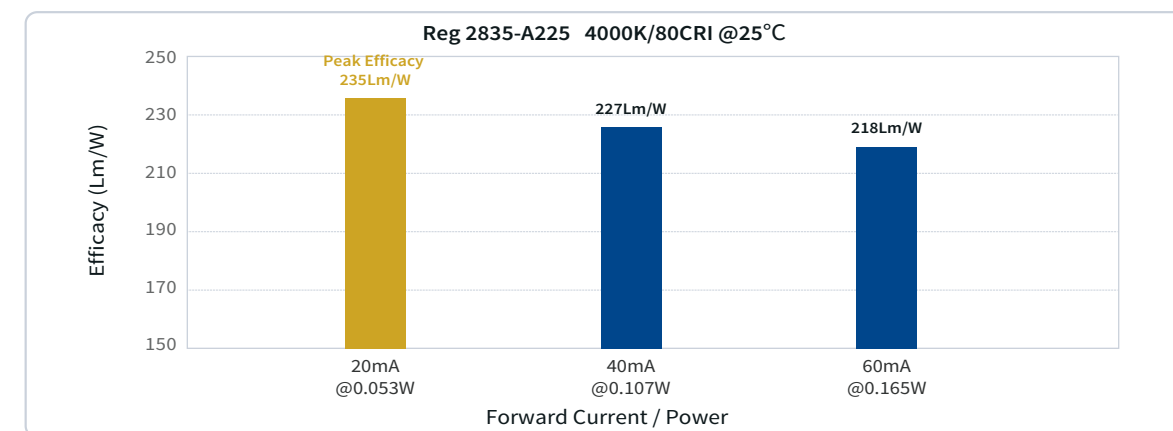
150

mA
Max Current

2.7

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 20mA - 60mA)



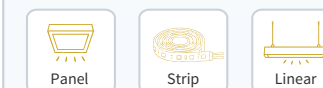
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)60mA	Efficacy(Lm/W)20mA
80	3000K	H-R28308A225-0101AB0	34.1	215-225
	4000K	H-R28408A225-0101AB0	36.6	230-240
	5000K	H-R28508A225-0101AB0	36.3	230-240
	6500K	H-R28658A225-0101AB0	35.2	220-230

Key Features 关键特性

- Low-Current High Efficacy with Up to 235 lm/W
低电流高光效，至高光效235 lm/w
- Made with PPA material specifically designed for high-
efficacy flexible LED strips.
采用ppa材质专为高光效软灯带设计

Application 应用



Reg Series - Standard High-Efficacy Baseline

常规高光效基准系列

Stable benchmark under standard drive 稳定的性能基准

BASELINE
基准

The cornerstone of Higntek's LED line, delivering stable high-efficacy output under standard drive conditions. Available in 2835 and 3030 packages with 3V-18 forward voltage options for general lighting, tubes, and panels.

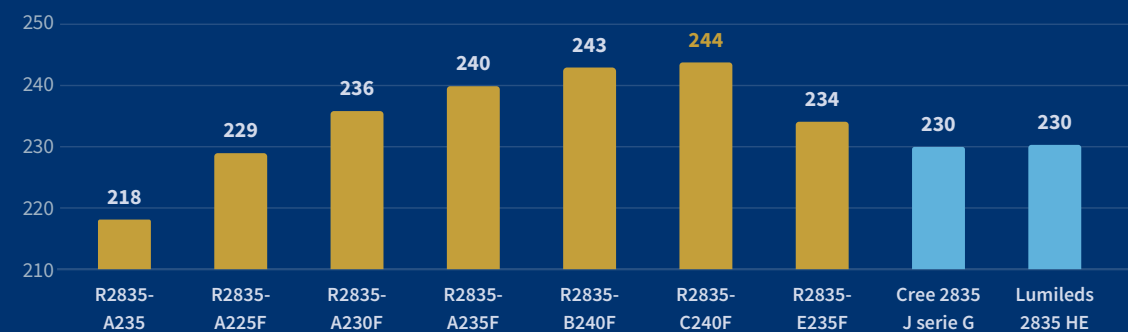
Reg系列是Higntek LED产品线的基石，在标准驱动条件下提供稳定的高光效输出。覆盖2835与3030两大封装，支持3V至18V多种正向电压配置，适配通用照明、室内灯管、面板灯等大批量应用场景。

- Dual 3030 & 2835 packages, full model range
- 190-240 lm/W, meets mainstream lighting standards
- PPA / PCT substrate, most cost-effective
- Multiple VF options (A=3V / B=6V / C=9V / E=18V)
- 3030与2835双封装，型号齐全
- 光效190-240lm/W，满足主流照明标准
- PPA/PCT支架可选，成本最优方案
- 多种正向电压配置

KEY MODILES 代表型号 R2835-A200 · R2835-B235 · R3030-B190 · R3030-B220

MAX EFFICACY BY PRODUCT 产品最大光效

单位lm/w · Ta=25°C @Ra80 & 4000K



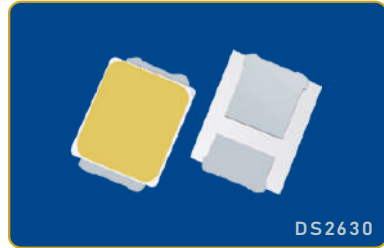
APPLICATION 应用

Panel 面板灯 Liner 线条灯 Downlight 筒灯 Strip 软灯带

REG SERIES

Reg 2835-A225F

Regular high luminous efficacy · 2.8mm x 3.5mm PCT
 常规高光效 · 2.8mm x 3.5mm PCT


229

Lm/W
Max Efficacy @0.2W

1.0

W
Max Power

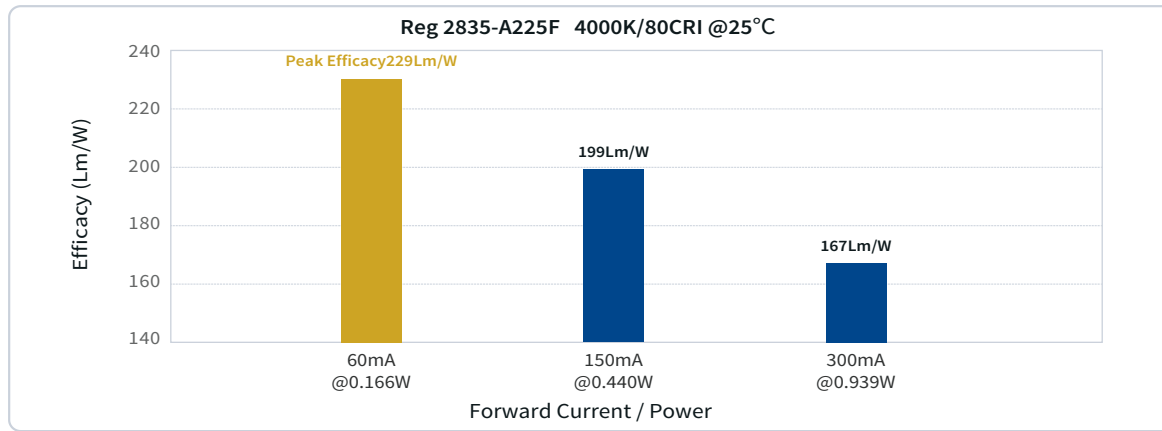
300

mA
Max Current

2.8

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 60mA - 300mA)



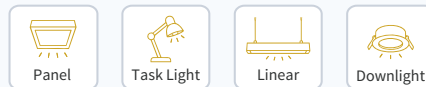
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)300mA	Efficacy(Lm/W)60mA
80	3000K	H-R28308A225-0102TBF	160	210-220
	4000K	H-R28408A225-0102TBF	170	225-235
	5000K	H-R28508A225-0102TBF	168	225-235
	6500K	H-R28658A225-0102TBF	163	215-225

⚡ Key Features 关键特性

- ▶ High-Efficacy Baseline Design, Up to 229 Lm/W
高光效基准设计, 至高光效229 Lm/W
- ▶ Ideal for High-Efficacy, High-CRI Lighting Applications
满足大部分高光效高显色灯具产品要求

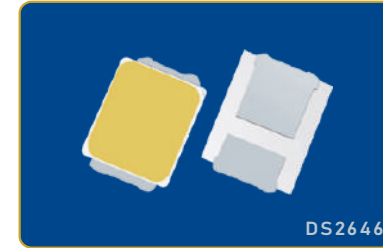
⊕ Application 应用



REG SERIES

Reg 2835-A230F

Regular high luminous efficacy · 2.8mm x 3.5mm PCT
 常规高光效 · 2.8mm x 3.5mm PCT


236

Lm/W
Max Efficacy @0.2W

1.0

W
Max Power

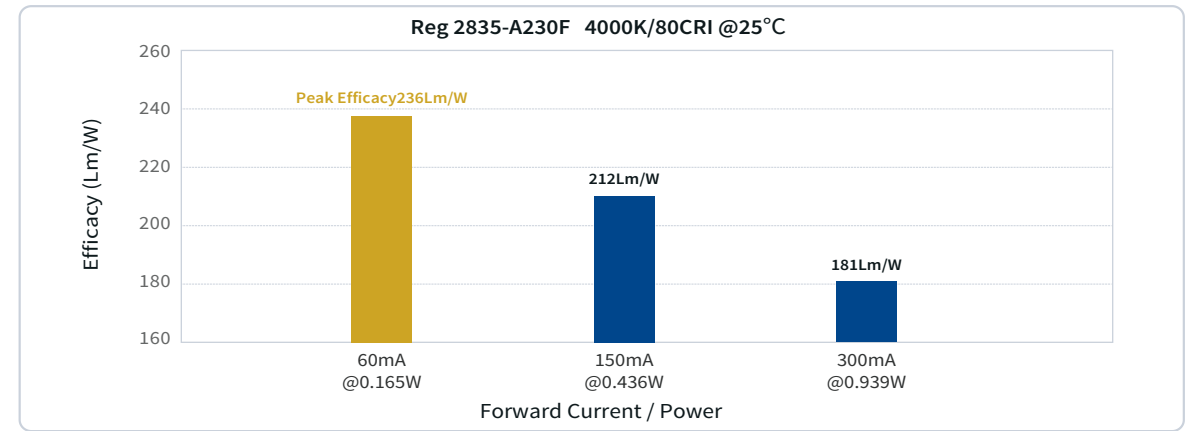
300

mA
Max Current

2.8

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 60mA - 300mA)



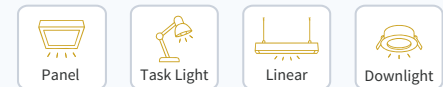
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)300mA	Efficacy(Lm/W)60mA
80	3000K	H-R28308A230-0102TBF	160	215-225
	4000K	H-R28408A230-0102TBF	170	230-240
	5000K	H-R28508A230-0102TBF	168	230-240
	6500K	H-R28658A230-0102TBF	163	220-230

⚡ Key Features 关键特性

- ▶ High-Efficacy Baseline Design, Up to 236 Lm/W
高光效基准设计, 至高光效236 Lm/W
- ▶ Ideal for High-Efficacy, High-CRI Lighting Applications
满足大部分高光效高显色灯具产品要求

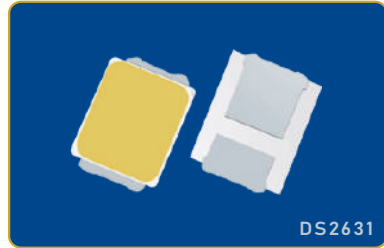
⊕ Application 应用



REG SERIES

Reg 2835-A235F

Regular high luminous efficacy · 2.8mm x 3.5mm PCT
 常规高光效 · 2.8mm x 3.5mm PCT



DS2631

240

 Lm/W
 Max Efficacy @0.2W

1.0

 W
 Max Power

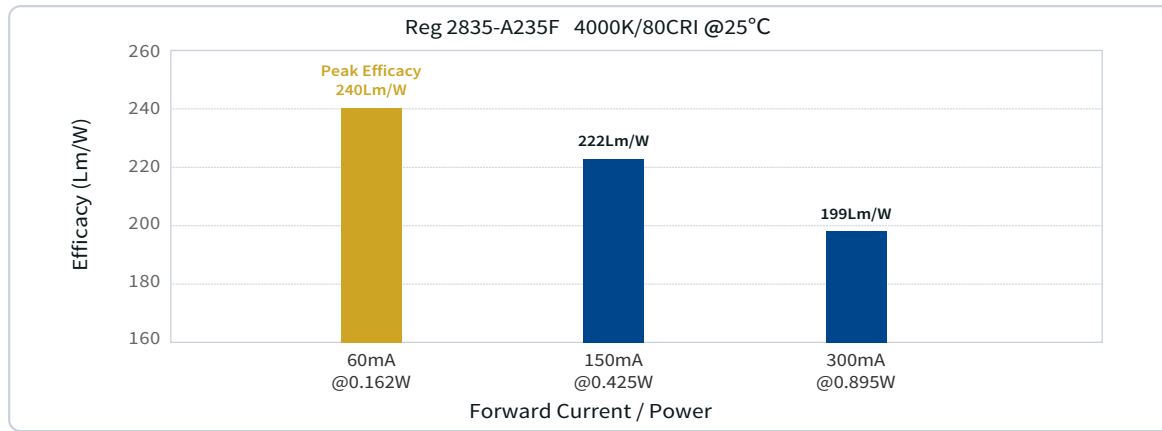
300

 mA
 Max Current

2.8

 V
 Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 60mA - 300mA)



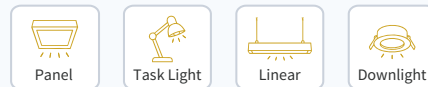
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)300mA	Efficacy(Lm/W)60mA
80	3000K	H-R28308A235-0103TBF	168	220-230
	4000K	H-R28408A235-0103TBF	178	235-245
	5000K	H-R28508A235-0103TBF	176	235-245
	6500K	H-R28658A235-0103TBF	171	225-235

⚡ Key Features 关键特性

- ▶ High-Efficacy Baseline Design, Up to 240 Lm/W
高光效基准设计, 至高光效240 Lm/W
- ▶ Ideal for High-Efficacy, High-CRI Lighting Applications
满足大部分高光效高显色灯具产品要求

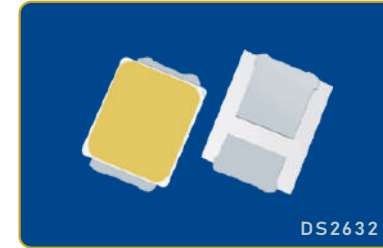
⊕ Application 应用



REG SERIES

Reg 2835-B230F

Regular high luminous efficacy · 2.8mm x 3.5mm PCT
 常规高光效 · 2.8mm x 3.5mm PCT



DS2632

240

 Lm/W
 Max Efficacy @0.2W

1.0

 W
 Max Power

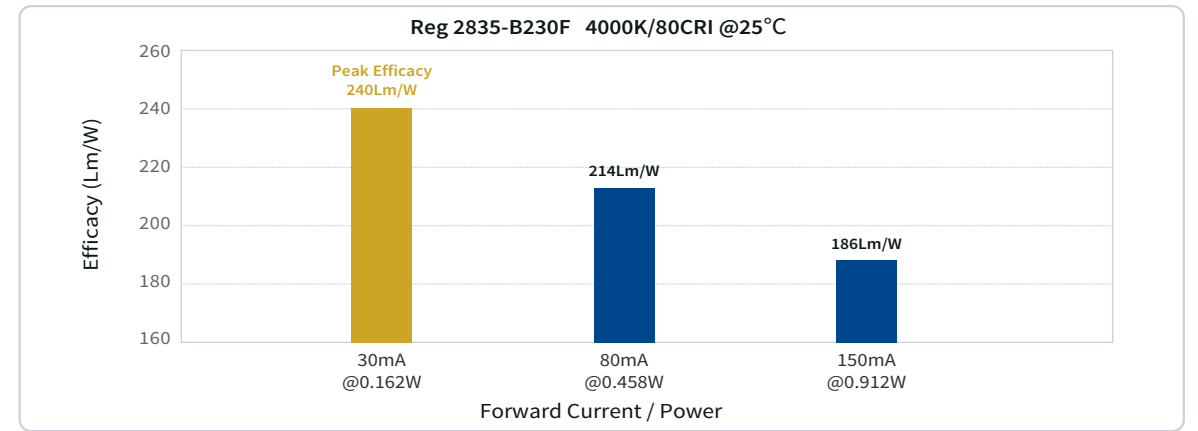
150

 mA
 Max Current

5.6

 V
 Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 30mA - 150mA)



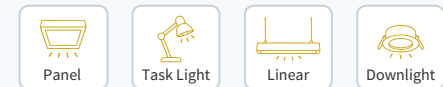
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)30mA
80	3000K	H-R28308B230-0201TBF	159	215-225
	4000K	H-R28408B230-0201TBF	169	230-240
	5000K	H-R28508B230-0201TBF	167	230-240
	6500K	H-R28658B230-0201TBF	162	220-230

⚡ Key Features 关键特性

- ▶ High-Efficacy Baseline Design, Up to 240 Lm/W
高光效基准设计, 至高光效240 Lm/W
- ▶ Ideal for High-Efficacy, High-CRI Lighting Applications
满足大部分高光效高显色灯具产品要求

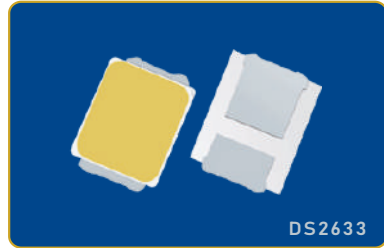
⊕ Application 应用



REG SERIES

Reg 2835-B240F

Regular high luminous efficacy · 2.8mm x 3.5mm PCT
常规高光效 · 2.8mm x 3.5mm PCT



243

Lm/W
Max Efficacy @0.2W

1.0

W
Max Power

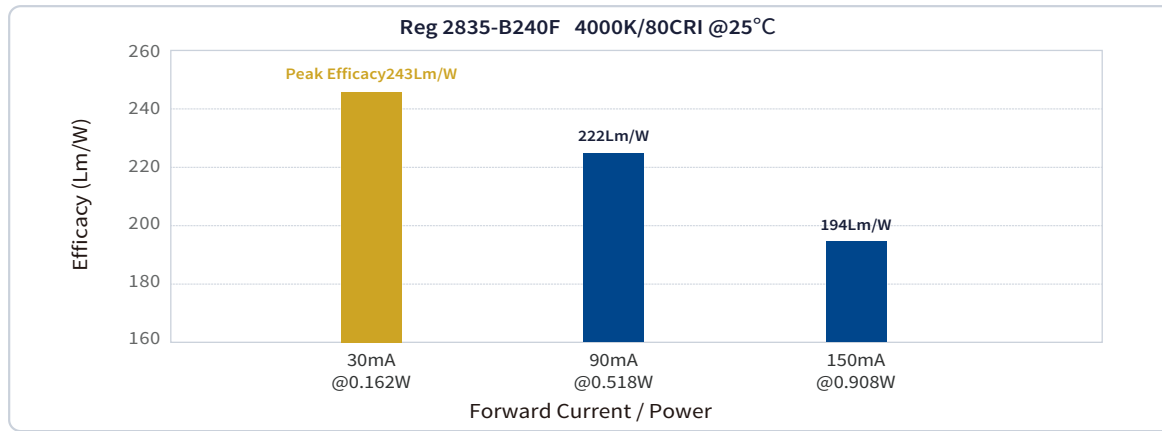
150

mA
Max Current

5.6

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 30mA - 150mA)



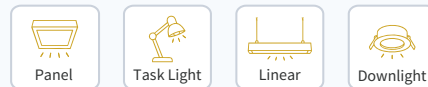
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)30mA
80	3000K	H-R28308B240-0201TBF	165	225-235
	4000K	H-R28408B240-0201TBF	176	240-250
	5000K	H-R28508B240-0201TBF	174	240-250
	6500K	H-R28658B240-0201TBF	169	230-240

Key Features 关键特性

- ▶ High-Efficacy Baseline Design, Up to 243 Lm/W
高光效基准设计, 至高光效243 Lm/W
- ▶ Ideal for High-Efficacy, High-CRI Lighting Applications
满足大部分高光效高显色灯具产品要求

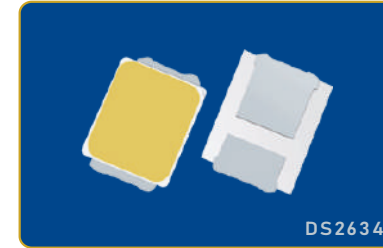
Application 应用



REG SERIES

Reg 2835-C230F

Regular high luminous efficacy · 2.8mm x 3.5mm PCT
常规高光效 · 2.8mm x 3.5mm PCT



235

Lm/W
Max Efficacy @0.2W

1.0

W
Max Power

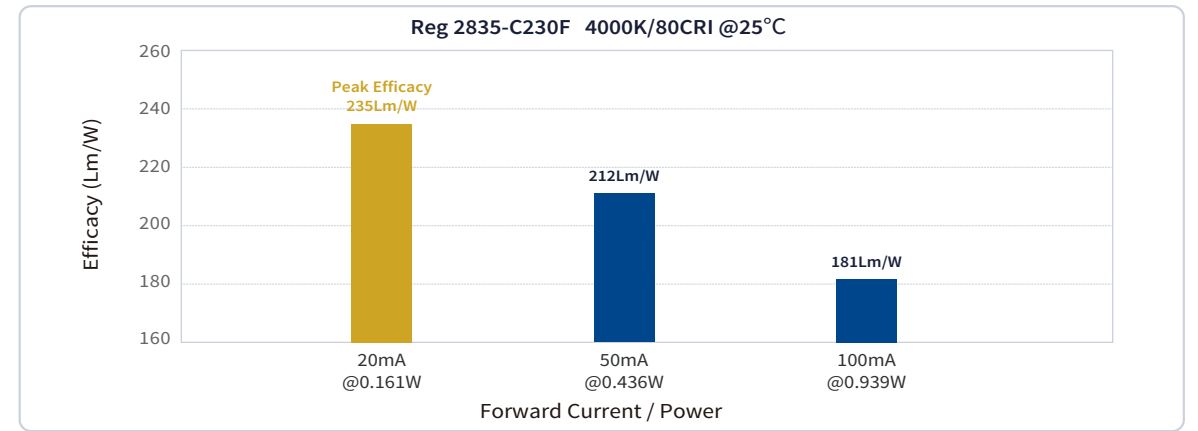
100

mA
Max Current

8.1

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 20mA - 100mA)



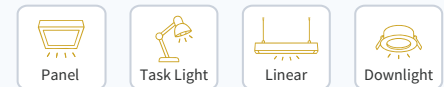
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)100mA	Efficacy(Lm/W)20mA
80	3000K	H-R28308C230-0301TBF	160	215-225
	4000K	H-R28408C230-0301TBF	170	230-240
	5000K	H-R28508C230-0301TBF	168	230-240
	6500K	H-R28658C230-0301TBF	163	220-230

Key Features 关键特性

- ▶ High-Efficacy Baseline Design, Up to 235 Lm/W
高光效基准设计, 至高光效235 Lm/W
- ▶ Ideal for High-Efficacy, High-CRI Lighting Applications
满足大部分高光效高显色灯具产品要求

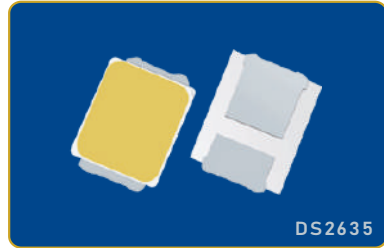
Application 应用



REG SERIES

Reg 2835-C240F

Regular high luminous efficacy · 2.8mm x 3.5mm PCT
常规高光效 · 2.8mm x 3.5mm PCT



244

Lm/W
Max Efficacy @0.2W

1.0

W
Max Power

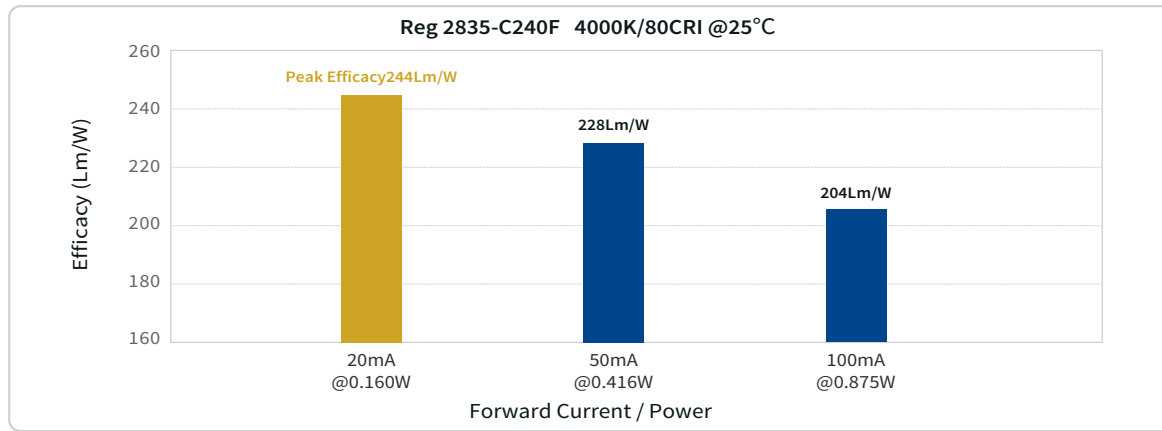
100

mA
Max Current

8.1

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 20mA - 100mA)



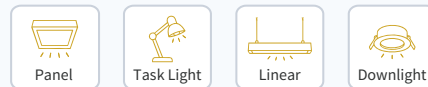
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)100mA	Efficacy(Lm/W)20mA
80	3000K	H-R28308C235-0301TBF	168	225-235
	4000K	H-R28408C235-0301TBF	179	240-250
	5000K	H-R28508C235-0301TBF	177	240-250
	6500K	H-R28658C235-0301TBF	171	230-240

Key Features 关键特性

- ▶ High-Efficacy Baseline Design, Up to 244 Lm/W
高光效基准设计, 至高光效244 Lm/W
- ▶ Ideal for High-Efficacy, High-CRI Lighting Applications
满足大部分高光效高显色灯具产品要求

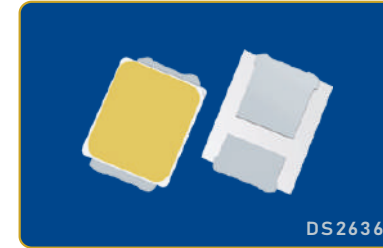
Application 应用



REG SERIES

Reg 2835-E235F

Regular high luminous efficacy · 2.8mm x 3.5mm PCT
常规高光效 · 2.8mm x 3.5mm PCT



234

Lm/W
Max Efficacy @0.2W

1.00

W
Max Power

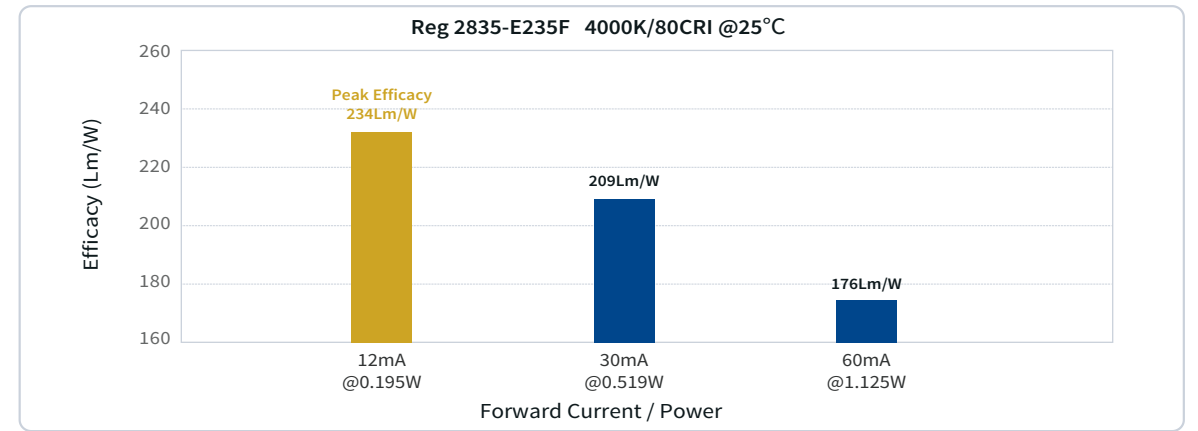
60

mA
Max Current

17.0

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 12mA - 60mA)



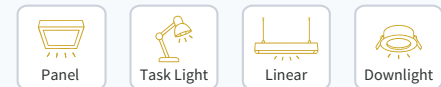
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)60mA	Efficacy(Lm/W)12mA
80	3000K	H-R28308E235-0201TBF	166	215-225
	4000K	H-R28408E235-0201TBF	176	230-240
	5000K	H-R28508E235-0201TBF	174	230-240
	6500K	H-R28658E235-0201TBF	169	220-230

Key Features 关键特性

- ▶ High-Efficacy Baseline Design, Up to 234 Lm/W
高光效基准设计, 至高光效234 Lm/W
- ▶ Ideal for High-Efficacy, High-CRI Lighting Applications
满足大部分高光效高显色灯具产品要求

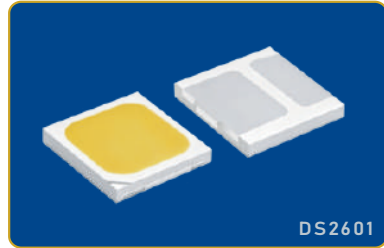
Application 应用



REG SERIES

Reg 3030-B190

Regular high luminous efficacy · 3.0mm x 3.0mm PCT
 常规高光效 · 3.0mm x 3.0mm PCT


235

Lm/W
Max Efficacy @0.2W

1.2

W
Max Power

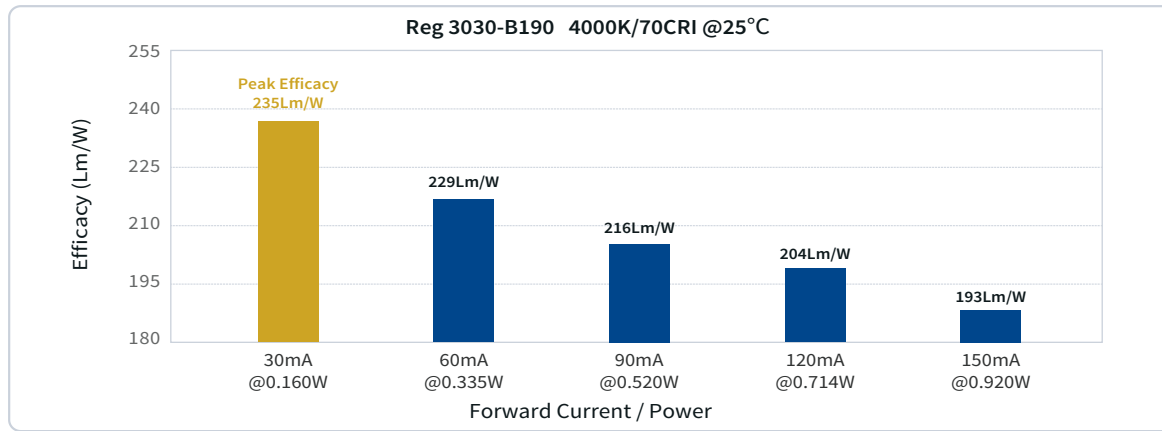
180

mA
Max Current

6.0

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 30mA - 150mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)150mA
70	3000K	H-R30307B190-0201TB0	167	175-185
	4000K	H-R30407B190-0201TB0	178	185-195
	5000K	H-R30507B190-0201TB0	176	185-195
	6500K	H-R30657B190-0201TB0	171	175-185
80	3000K	H-R30308B190-0201TB0	150	165-175
	4000K	H-R30408B190-0201TB0	160	165-175
	5000K	H-R30508B190-0201TB0	158	165-175
	6500K	H-R30658B190-0201TB0	153	160-170

Key Features 关键特性

- ▶ High-Efficacy Baseline Design, Up to 235 Lm/W
高光效基准设计, 至高光效235 Lm/W
- ▶ PCT Packaging for Cost-Effective High Efficacy in Industrial, Indoor and Outdoor Lighting Applications
PCT封装, 适用于工业及室内外结合性价比和光效的极致方案

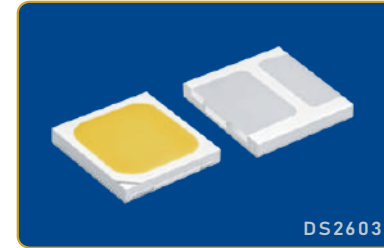
Application 应用



REG SERIES

Reg 3030-B215

Regular high luminous efficacy · 3.0mm x 3.0mm PCT
 常规高光效 · 3.0mm x 3.0mm PCT


242

Lm/W
Max Efficacy @0.2W

1.2

W
Max Power

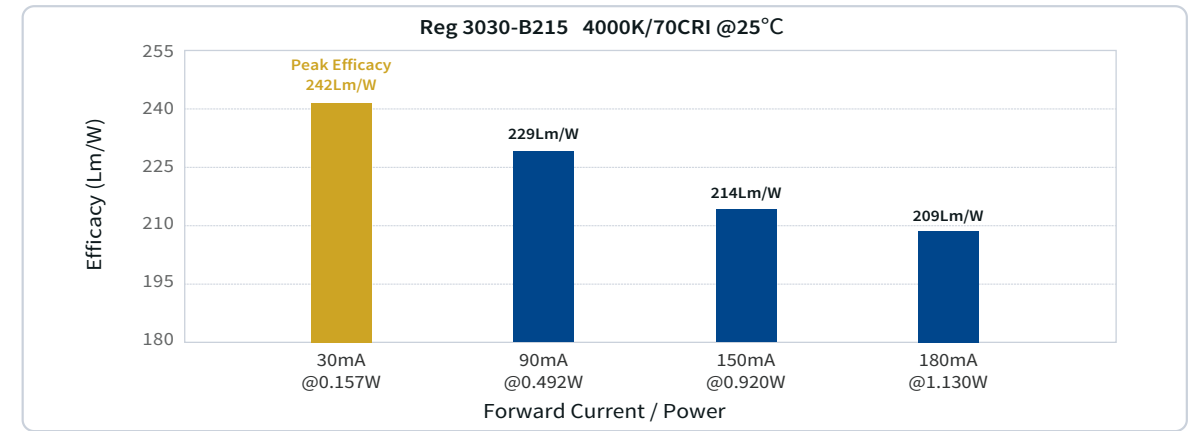
180

mA
Max Current

5.8

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 30mA - 180mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)150mA
70	3000K	H-R30307B215-0202TB0	171	195-205
	4000K	H-R30407B215-0202TB0	182	210-220
	5000K	H-R30507B215-0202TB0	180	210-220
	6500K	H-R30657B215-0202TB0	175	195-205
80	3000K	H-R30308B215-0202TB0	154	175-185
	4000K	H-R30408B215-0202TB0	164	190-200
	5000K	H-R30508B215-0202TB0	162	190-200
	6500K	H-R30658B215-0202TB0	157	180-190

Key Features 关键特性

- ▶ High-Efficacy Baseline Design, Up to 242 Lm/W
高光效基准设计, 至高光效242 Lm/W
- ▶ PCT Packaging for Cost-Effective High Efficacy in Industrial, Indoor and Outdoor Lighting Applications
PCT封装, 适用于工业及室内外结合性价比和光效的极致方案

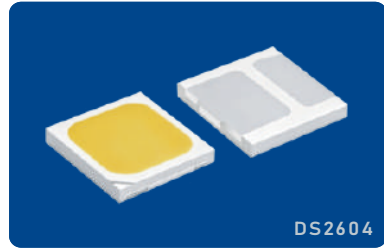
Application 应用



REG SERIES

Reg 3030-B230

Regular high luminous efficacy · 3.0mm x 3.0mm PCT
常规高光效 · 3.0mm x 3.0mm PCT



DS2604

264

Lm/W
Max Efficacy @0.2W

1.2

W
Max Power

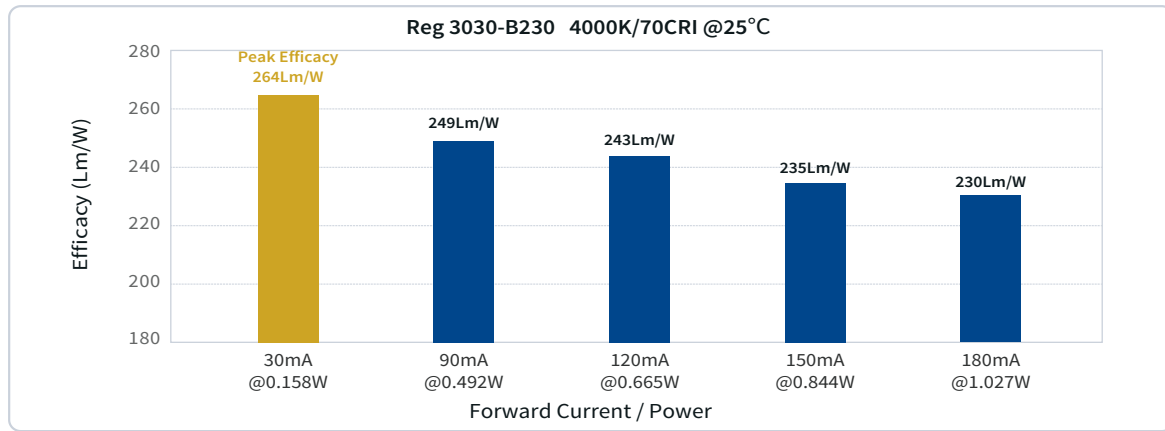
180

mA
Max Current

5.8

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 30mA - 180mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)150mA
70	3000K	H-R30307B230-0202TB0	186	210-220
	4000K	H-R30407B230-0202TB0	198	225-235
	5000K	H-R30507B230-0202TB0	196	225-235
	6500K	H-R30657B230-0202TB0	190	210-220
80	3000K	H-R30308B230-0202TB0	167	190-200
	4000K	H-R30408B230-0202TB0	178	200-210
	5000K	H-R30508B230-0202TB0	176	200-210
	6500K	H-R30658B230-0202TB0	171	195-205

Key Features 关键特性

- ▶ High-Efficacy Baseline Design, Up to 264 Lm/W
高光效基准设计, 至高光效264 Lm/W
- ▶ PCT Packaging for Cost-Effective High Efficacy in Industrial, Indoor and Outdoor Lighting Applications
PCT封装, 适用于工业及室内外结合性价比和光效的极致方案

Application 应用



Plus Series - Upgraded Value & Performance

升级性价比高光效系列

Higher brightness at lower cost 性能升级·性价比更优

UPGRADE
升级

Upgrades efficacy over Reg, delivering higher brightness at lower cost. 3030 and 5050 packages cover mid-power scenarios; the 5050-F245 excels at 245 lm/W.

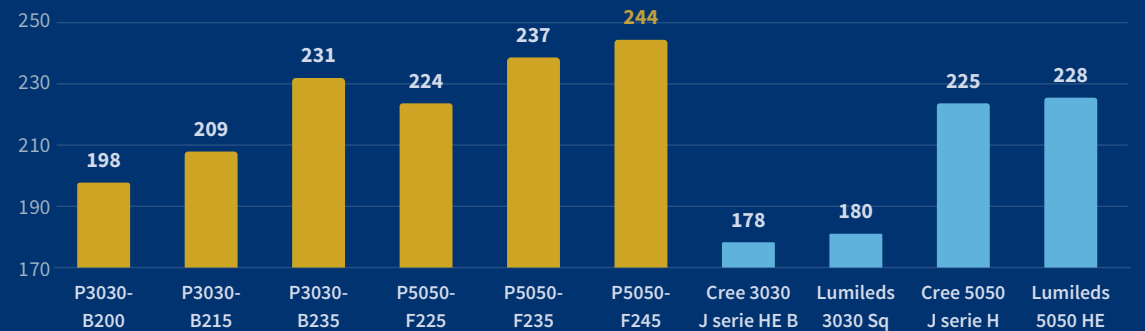
Plus系列在Reg基础上全面升级光效表现, 用更低的成本实现更高的亮度输出。3030与5050两大封装覆盖中小功率全场景, 5050-F245系列在大功率照明中表现突出, 光效达245lm/W。

- 3030 up to 235 lm/W, 10-15% upgrade over Reg
- 5050-F245 at 245 lm/W - value benchmark
- EMC substrate, longer life, lower decay
- 3030封装至高235lm/W, 较Reg升级10-15%
- 5050-F245大功率245lm/W, 性价比标杆
- EMC支架, 寿命更长、衰减更低

KEY MODELOS 代表型号 P3030-B235 · P5050-F245

MAX EFFICACY BY PRODUCT 产品最大光效

单位lm/w · Ta=25°C @Ra70 & 4000K



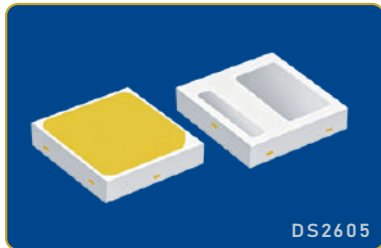
APPLICATION 应用

streetlight 路灯 High Bay 工矿灯 Floodlight 投光灯 Stadium Light 球场灯

PLUS SERIES

Plus 3030-B200

Upgraded cost-effective high luminous efficacy· 3.0mm x 3.0mm EMC
 升级性价比高光效· 3.0mm x 3.0mm EMC


231

 Lm/W
 Max Efficacy @0.2W

1.5

 W
 Max Power

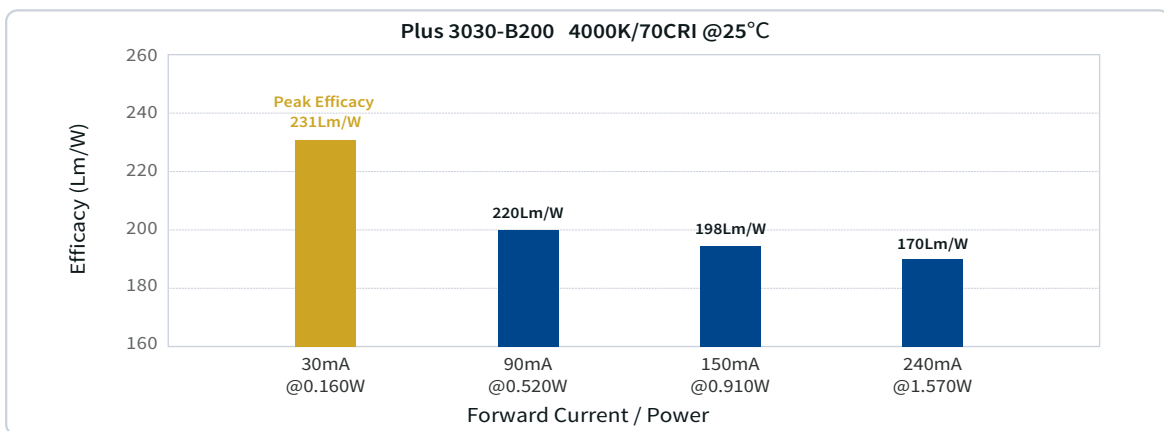
240

 mA
 Max Current

6.0

 V
 Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 30mA - 240mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)150mA
70	3000K	H-P30307B200-0201EB0	170	185-195
	4000K	H-P30407B200-0201EB0	181	195-205
	5000K	H-P30507B200-0201EB0	179	195-205
	6500K	H-P30657B200-0201EB0	174	185-195
80	3000K	H-P30308B200-0201EB0	153	165-175
	4000K	H-P30408B200-0201EB0	163	175-185
	5000K	H-P30508B200-0201EB0	161	175-185
	6500K	H-P30658B200-0201EB0	156	170-180

Key Features 关键特性

- Cost-Effective High-Efficacy Solution with Up to 231 lm/W
性价比高光效方案，至高光效231 lm/w
- Enhanced EMC Packaging for a High-Performance Replacement of Standard 3030/5050 LEDs
结合EMC封装升级性能完美替代市场常规3030/5050

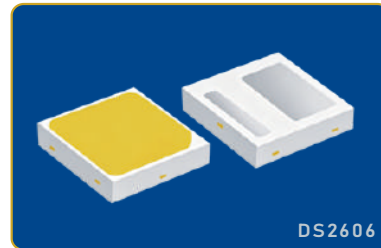
Application 应用



PLUS SERIES

Plus 3030-B215

Upgraded cost-effective high luminous efficacy· 3.0mm x 3.0mm EMC
 升级性价比高光效· 3.0mm x 3.0mm EMC


236

 Lm/W
 Max Efficacy @0.2W

1.5

 W
 Max Power

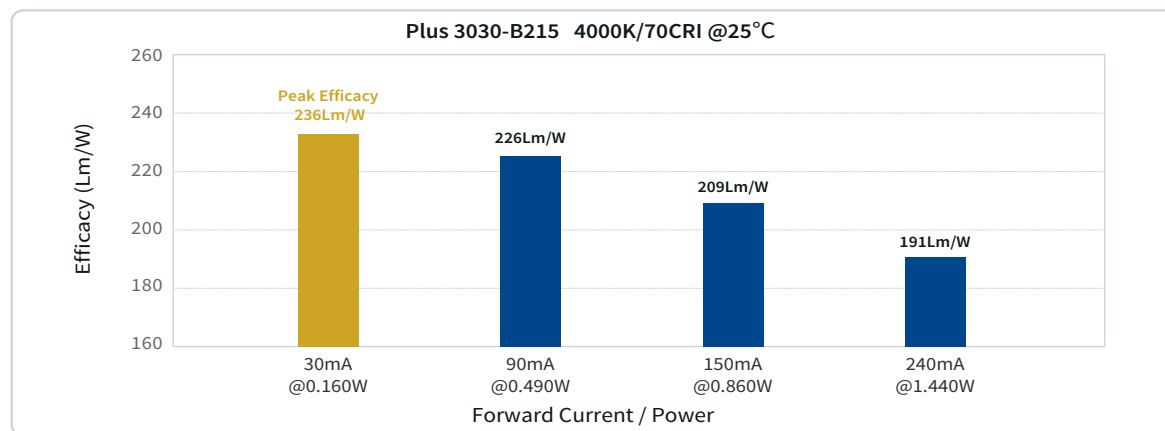
240

 mA
 Max Current

6.0

 V
 Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 30mA - 240mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)150mA
70	3000K	H-P30307B215-0202EB0	169	190-200
	4000K	H-P30407B215-0202EB0	180	205-215
	5000K	H-P30507B215-0202EB0	178	205-215
	6500K	H-P30657B215-0202EB0	173	190-200
80	3000K	H-P30308B215-0202EB0	155	175-185
	4000K	H-P30408B215-0202EB0	165	190-200
	5000K	H-P30508B215-0202EB0	163	190-200
	6500K	H-P30658B215-0202EB0	158	180-190

Key Features 关键特性

- Cost-Effective High-Efficacy Solution with Up to 236 lm/W
性价比高光效方案，至高光效236 lm/w
- Enhanced EMC Packaging for a High-Performance Replacement of Standard 3030/5050 LEDs
结合EMC封装升级性能完美替代市场常规3030/5050

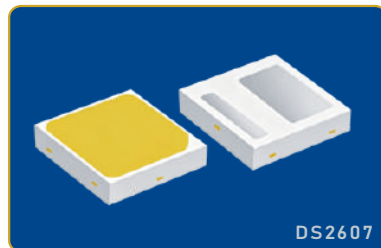
Application 应用



PLUS SERIES

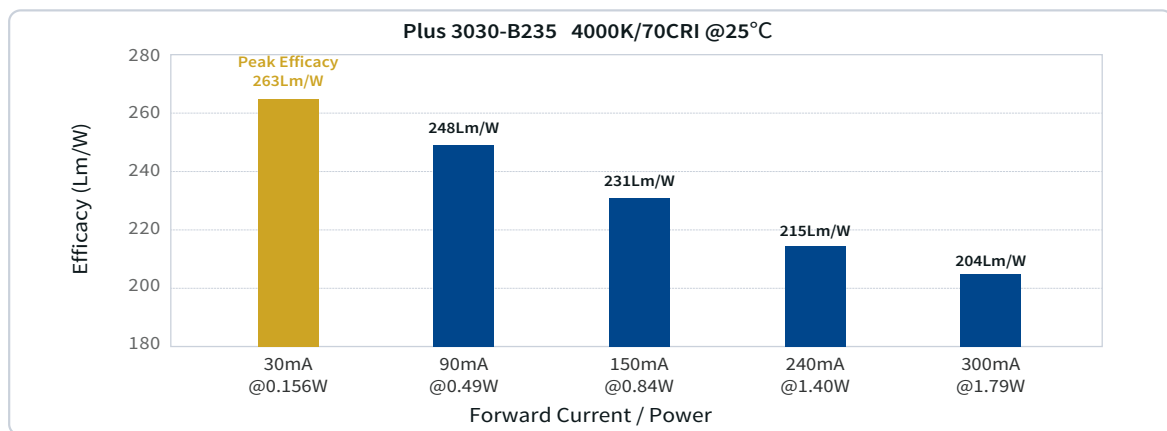
Plus 3030-B235

Regular high luminous efficacy · 2.8mm x 3.5mm PCT
 常规高光效 · 2.8mm x 3.5mm PCT



263 Lm/W Max Efficacy @0.2W	2.0 W Max Power
300 mA Max Current	5.8 V Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 30mA - 300mA)



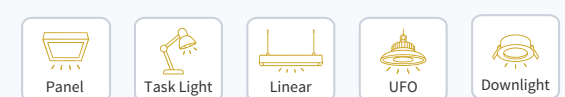
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)150mA
70	3000K	H-P30307B235-0202EB0	182	210-220
	4000K	H-P30407B235-0202EB0	194	225-235
	5000K	H-P30507B235-0202EB0	192	225-235
	6500K	H-P30657B235-0202EB0	186	210-220

Key Features 关键特性

- Cost-Effective High-Efficacy Solution with Up to 263 lm/w
性价比高光效方案，至高光效263 lm/w
- Enhanced EMC Packaging for a High-Performance Replacement of Standard 3030/5050 LEDs
结合EMC封装升级性能完美替代市场常规3030/5050

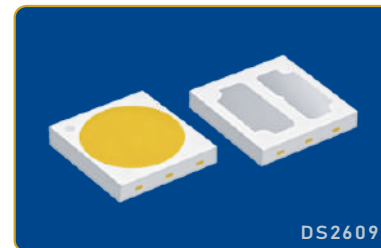
Application 应用



PLUS SERIES

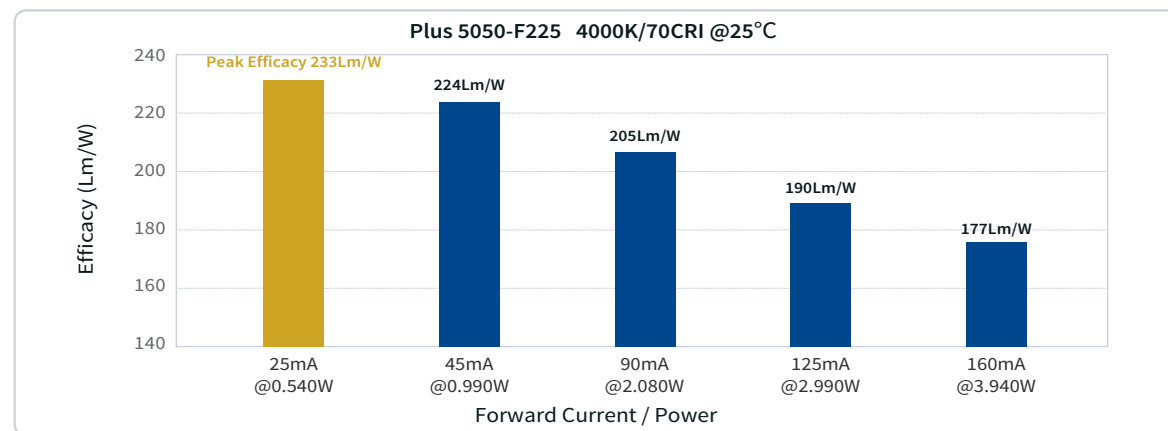
Plus 5050-F225

Upgraded cost-effective high luminous efficacy · 5.0mm x 5.0mm EMC
 升级性价比高光效 · 5.0mm x 5.0mm EMC



233 Lm/W Max Efficacy @0.5W	4.0 W Max Power
160 mA Max Current	22.0 V Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 25mA - 160mA)



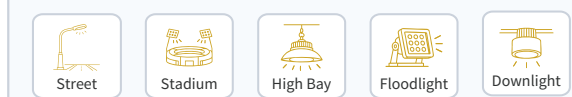
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)160mA	Efficacy(Lm/W)45mA
70	3000K	H-P50307F225-0801EA0	655	205-215
	4000K	H-P50407F225-0801EA0	696	220-230
	5000K	H-P50507F225-0801EA0	689	220-230
	6500K	H-P50657F225-0801EA0	669	205-215
80	3000K	H-P50308F225-0801EA0	589	185-195
	4000K	H-P50408F225-0801EA0	627	195-205
	5000K	H-P50508F225-0801EA0	621	195-205
	6500K	H-P50658F225-0801EA0	602	190-200

Key Features 关键特性

- Cost-Effective High-Efficacy Solution with Up to 233 lm/w
性价比高光效方案，至高光效233 lm/w
- Enhanced EMC Packaging for a High-Performance Replacement of Standard 3030/5050 LEDs
结合EMC封装升级性能完美替代市场常规3030/5050

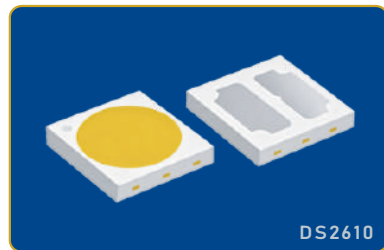
Application 应用



PLUS SERIES

Plus 5050-F235

Upgraded cost-effective high luminous efficacy· 5.0mm x 5.0mm EMC
升级性价比高光效· 5.0mm x 5.0mm EMC



242

Lm/W
Max Efficacy @0.5W

4.0

W
Max Power

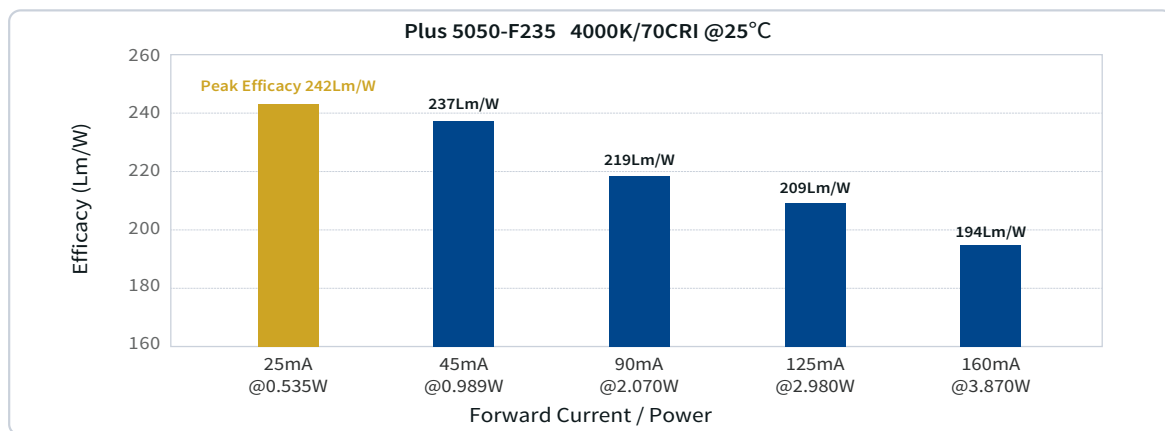
160

mA
Max Current

22.0

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 25mA - 160mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)160mA	Efficacy(Lm/W)45mA
70	3000K	H-P50307F235-0801EA0	693	215-225
	4000K	H-P50407F235-0801EA0	737	230-240
	5000K	H-P50507F235-0801EA0	730	230-240
	6500K	H-P50657F235-0801EA0	707	215-225
80	3000K	H-P50308F235-0801EA0	624	190-200
	4000K	H-P50408F235-0801EA0	663	205-215
	5000K	H-P50508F235-0801EA0	657	205-215
	6500K	H-P50658F235-0801EA0	637	200-210

Key Features 关键特性

- Cost-Effective High-Efficacy Solution with Up to 242 lm/W
性价比高光效方案，至高光效242 lm/w
- Enhanced EMC Packaging for a High-Performance Replacement of Standard 3030/5050 LEDs
结合EMC封装升级性能完美替代市场常规3030/5050

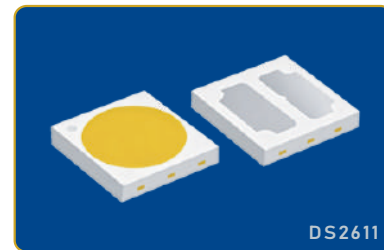
Application 应用



PLUS SERIES

Plus 5050-F245

Upgraded cost-effective high luminous efficacy· 5.0mm x 5.0mm EMC
升级性价比高光效· 5.0mm x 5.0mm EMC



253

Lm/W
Max Efficacy @0.5W

4.0

W
Max Power

160

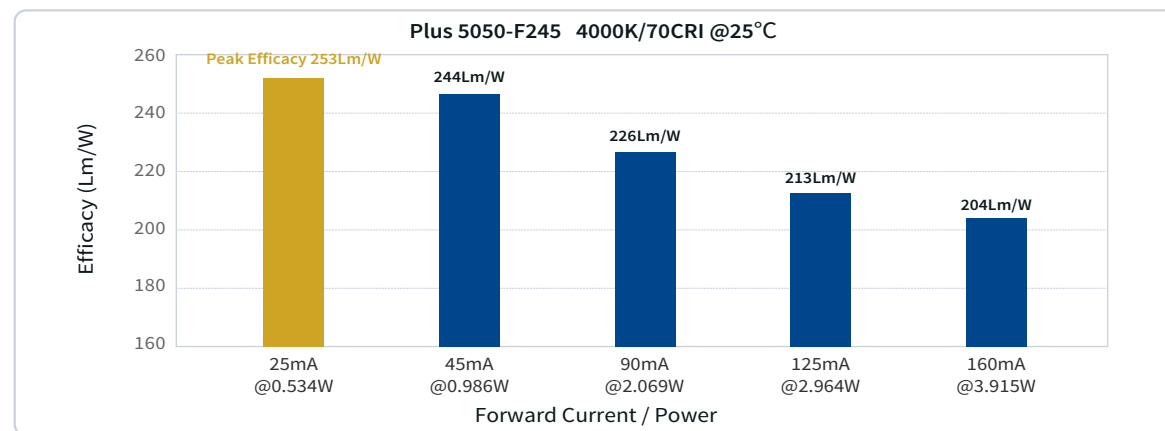
mA
Max Current

22.0

V
Typ.Forward Voltage



Efficacy vs Current 光效 VS 电流 (IF 25mA - 160mA)



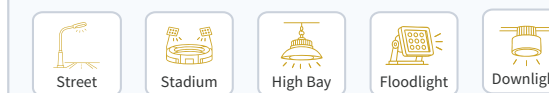
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)160mA	Efficacy(Lm/W)45mA
70	3000K	H-P50307F245-0801EA0	749	225-235
	4000K	H-P50407F245-0801EA0	797	240-250
	5000K	H-P50507F245-0801EA0	789	240-250
	6500K	H-P50657F245-0801EA0	765	225-235
80	3000K	H-P50308F245-0801EA0	674	200-210
	4000K	H-P50408F245-0801EA0	717	215-225
	5000K	H-P50508F245-0801EA0	710	215-225
	6500K	H-P50658F245-0801EA0	688	210-220

Key Features 关键特性

- Cost-Effective High-Efficacy Solution with Up to 253 lm/W
性价比高光效方案，至高光效253 lm/w
- Enhanced EMC Packaging for a High-Performance Replacement of Standard 3030/5050 LEDs
结合EMC封装升级性能完美替代市场常规3030/5050

Application 应用





CLUX SERIES



CERAMIC
陶瓷

CLux Series - Ceramic High-Efficacy Premium

陶瓷高光效卓越系列

Ceramic substrate · premium efficacy 陶瓷封装 · 卓越光效

Features a ceramic substrate with lower thermal resistance than PPA/ PCT /EMC. The 3535 sustains 215-240 lm/W under high-power drive ideal for outdoor and industrial lighting where thermal performance is critical.

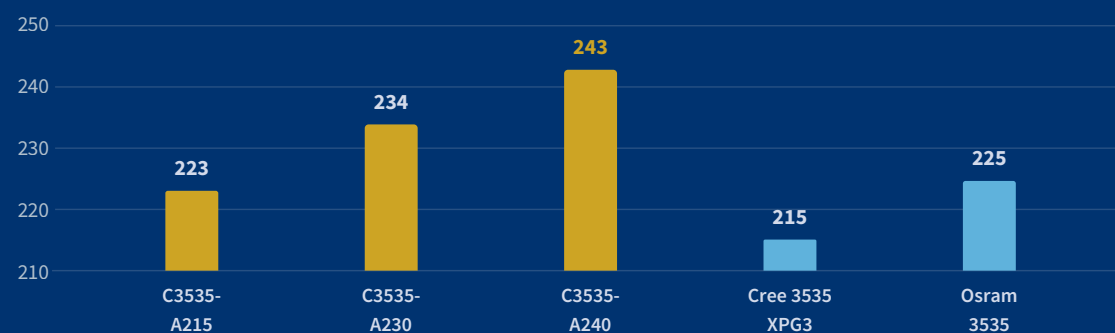
CLux 系列采用陶瓷封装基板，相比 PPA/PCT/EMC 方案具有更低的热阻。3535封装平台在大功率驱动下仍可保持 215 – 240 lm/W 的超高光效输出，特别适合户外照明、工矿灯等对温度和光效要求严苛的场合。

- Ceramic substrate, low thermal resistance, minimal decay at high current
- Ceramic package substrate, with an excellent luminous efficacy of 215-245 lm/W
- Heat-resistant, long-lasting, Ideal for outdoor lighting
- 陶瓷基板低热阻，大电流下光衰依然低
- 陶瓷封装基板，215-245lm/W卓越光效
- 耐高温长寿命，户外照明优选方案

KEY MODELES 代表型号 C3535-A230 · C3535-A240

• MAX EFFICACY BY PRODUCT 产品最大光效

单位lm/w · Ta=25°C @Ra70 & 4000K

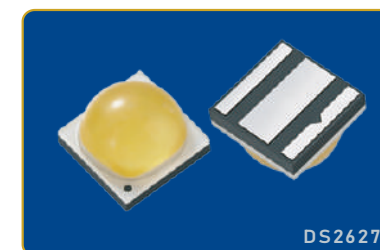


• APPLICATION 应用 Streetlight 路灯 High Bay 工矿灯 Floodlight 投光灯 Stadium Light 球场灯

CLUX SERIES

CLux 3535-A215

Ceramic excellent high efficacy · 3.5mm x 3.5mm CMO
陶瓷卓越高效 · 3.5mm x 3.5mm CMO



223

Lm/W
Max Efficacy @1W

5.0

W
Max Power

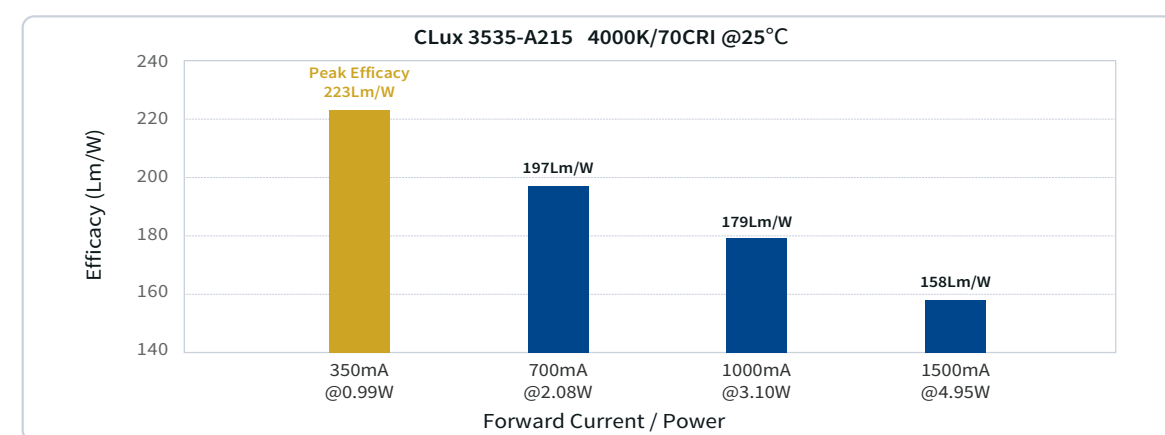
1500

mA
Max Current

3.2

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 350mA - 1500mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)350mA	Efficacy(Lm/W)350mA
70	3000K	H-C35307A215-0101CA0	206	205-215
	4000K	H-C35407A215-0101CA0	220	215-225
	5000K	H-C35507A215-0101CA0	217	215-225
	6500K	H-C35657A215-0101CA0	210	210-220

⚡ Key Features 关键特性

- ▶ Ceramic package, fast thermal dissipation
陶瓷封装，快速散热
- ▶ Superior choice for demanding road & stadium lighting applications
适用于严苛道路和体育场照明应用的优质选择

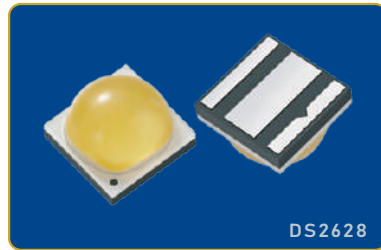
⊕ Application 应用



CLUX SERIES

CLux 3535-A230

Ceramic excellent high efficacy · 3.5mm x 3.5mm CMN
陶瓷卓越高效 · 3.5mm x 3.5mm CMN



234

Lm/W
Max Efficacy @1W

6.0

W
Max Power

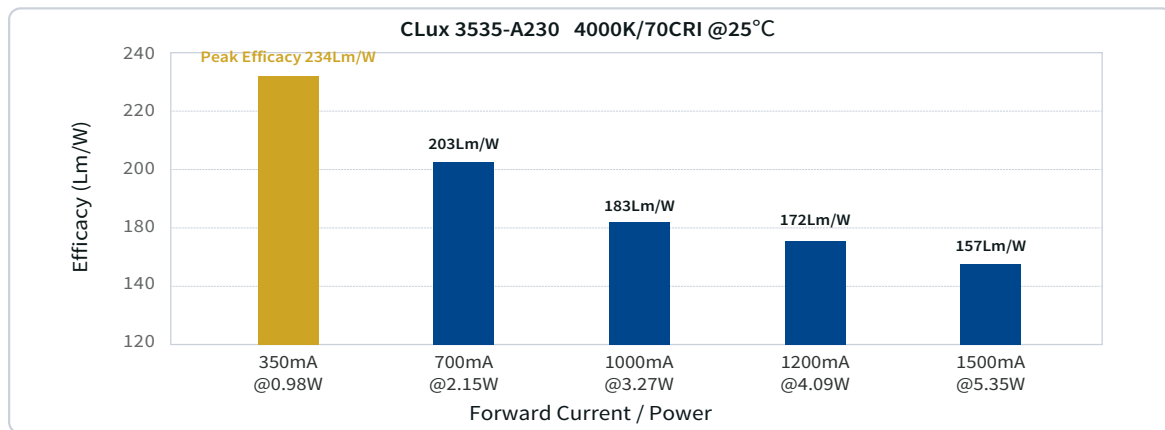
2000

mA
Max Current

3.0

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 350mA - 1500mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)350mA	Efficacy(Lm/W)350mA
70	3000K	H-C35307A230-0101CB0	205-215	215-225
	4000K	H-C35407A230-0101CB0	225-235	230-240
	6500K	H-C35657A230-0101CB0	215-225	220-230
80	3000K	H-C35308A230-0101CB0	200-210	200-210
	4000K	H-C35408A230-0101CB0	210-220	210-220
	6500K	H-C35658A230-0101CB0	195-205	200-210
90	4000K	H-C35409A230-0101CB0	175-185	175-185
	6500K	H-C35659A230-0101CB0	165-175	165-176

Key Features 关键特性

- Ceramic package, fast thermal dissipation
陶瓷封装, 快速散热
- Superior choice for demanding road & stadium lighting applications
适用于严苛道路和体育场照明应用的优质选择

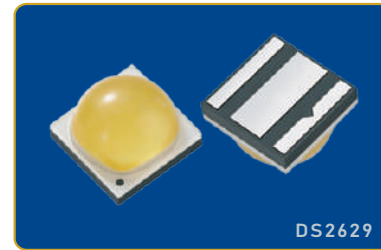
Application 应用



CLUX SERIES

CLux 3535-A240

Ceramic excellent high efficacy · 3.5mm x 3.5mm CMN
陶瓷卓越高效 · 3.5mm x 3.5mm CMN



243

Lm/W
Max Efficacy @1W

6.0

W
Max Power

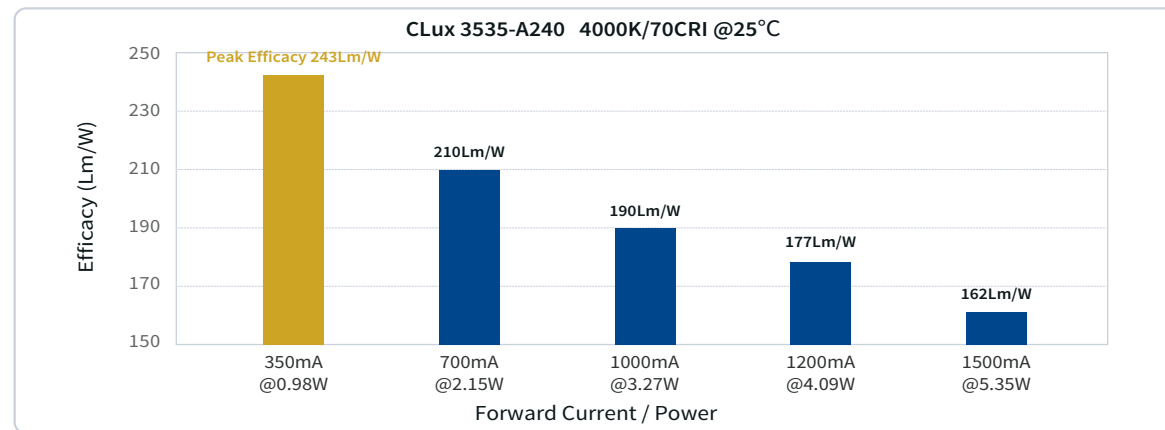
2000

mA
Max Current

3.0

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 350mA - 1500mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)350mA	Efficacy(Lm/W)350mA
70	3000K	H-C35307A240-0101CB0	220-230	225-235
	4000K	H-C35407A240-0101CB0	235-245	235-245
	5000K	H-C35507A240-0101CB0	230-240	235-245
	6500K	H-C35657A240-0101CB0	225-235	225-235
80	3000K	H-C35308A240-0101CB0	195-205	200-210
	4000K	H-C35408A240-0101CB0	210-220	210-220
	5000K	H-C35508A240-0101CB0	210-220	210-220
	6500K	H-C35658A240-0101CB0	205-215	205-215

Key Features 关键特性

- Ceramic package, fast thermal dissipation
陶瓷封装, 快速散热
- Superior choice for demanding road & stadium lighting applications
适用于严苛道路和体育场照明应用的优质选择

Application 应用

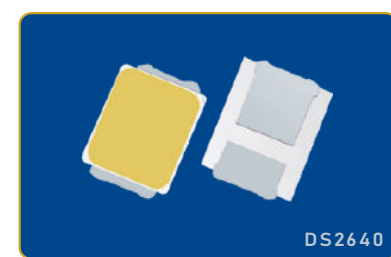




MAX SERIES

Max 2835-A250

Low current ultra-high luminous efficacy- 3.0 mm x 3.6 mm PCT
小电流超高光效 · 3.0 mm x 3.6 mm PCT



268
Lm/W
Max Efficacy @0.2W

1.5
W
Max Power

240
mA
Max Current

2.8
V
Typ.Forward Voltage



Max Series - Low-Current Peak Efficacy

小电流极致光效系列

Low-current drive · 260+ lm/W 小电流驱动 · 光效270+lm/W

PEAK
极致

Engineered for low-current drive, achieving 250-275 lm/W under low power. This enables designers to achieve higher brightness with lower energy consumption, making it ideal for commercial, emergency lighting, and backlighting applications.

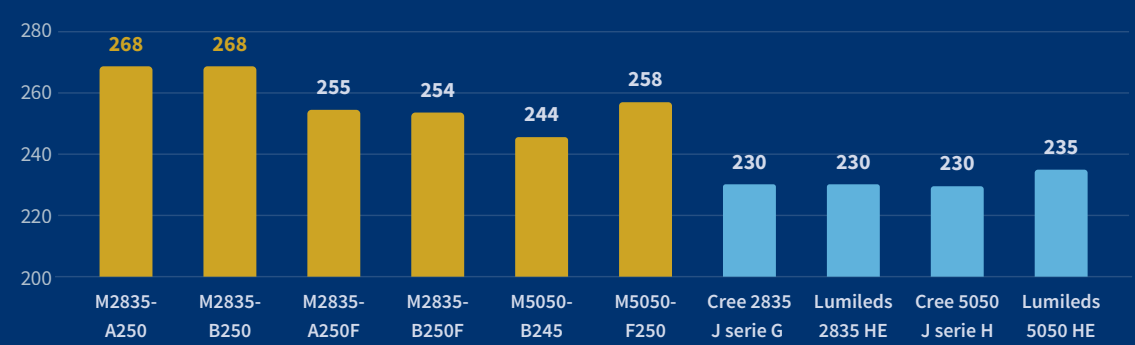
Max系列专为小电流驱动场景设计，在低功耗条件下仍可达到250-275 lm/W的极致光效。这让灯具设计师能用更少的电费实现更高的亮度，完美适配商业照明、应急照明、背光模组等对功耗敏感的应用。

- Ra80+ at low current 230-260 lm/W, industry-leading
- Same wattage, double brightness - ultimate energy-saving solution
- 2835 / 5050 packages, full coverage for power-sensitive apps
- Ra80+小电流下230-260lm/W，业界领先
- 同样的电费，两倍的亮度——节能照明终极解
- 2835与5050封装，功耗敏感场景全覆盖

KEY MODELES 代表型号 M2835-A250 · M5050-A260

MAX EFFICACY BY PRODUCT 产品最大光效

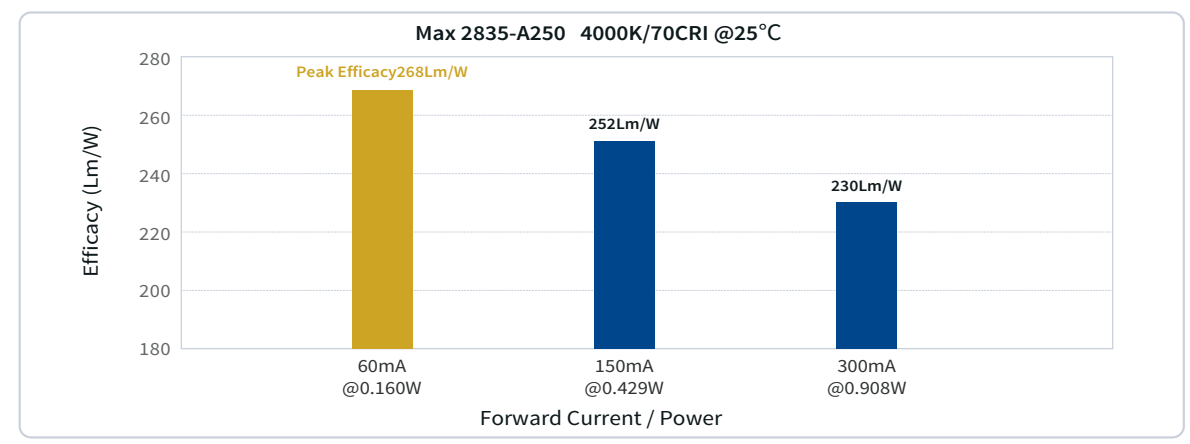
单位lm/w · Ta=25°C @Ra70 & 4000K



APPLICATION 应用

- Bulb 球泡灯
- Downlights 筒灯
- Streetlight 路灯
- High Bay 工矿灯
- UFO

Efficacy vs Current 光效 VS 电流 (IF 60mA - 300mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)300mA	Efficacy(Lm/W)60mA
70	3000K	H-M28307A250-0103TB0	196	255-265
	4000K	H-M28407A250-0103TB0	209	265-275
	5000K	H-M28507A250-0103TB0	207	265-275
	6500K	H-M28657A250-0103TB0	200	250-260
80	3000K	H-M28308A250-0103TB0	172	230-240
	4000K	H-M28408A250-0103TB0	183	245-255
	5000K	H-M28508A250-0103TB0	181	245-255
	6500K	H-M28658A250-0103TB0	175	235-245

Key Features 关键特性

- ▶ Low-Power High-Efficiency Solution with Up to 268 lm/W 低功率高效率解决方案，最高可达268 m/w
- ▶ Designed for High-Efficiency Lighting in Industrial and Outdoor Applications 专为工业照明和户外应用中需要极高能效的灯具设计

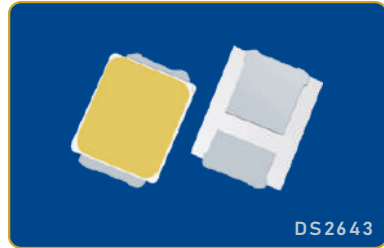
Application 应用

- Panel
- Task Light
- Linear
- UFO
- Downlight

MAX SERIES

Max 2835-B250

Low current ultra-high luminous efficacy- 3.0 mm x 3.6 mm PCT
 小电流超高光效 · 3.0 mm x 3.6 mm PCT


268

Lm/W
Max Efficacy @0.2W

1.5

W
Max Power

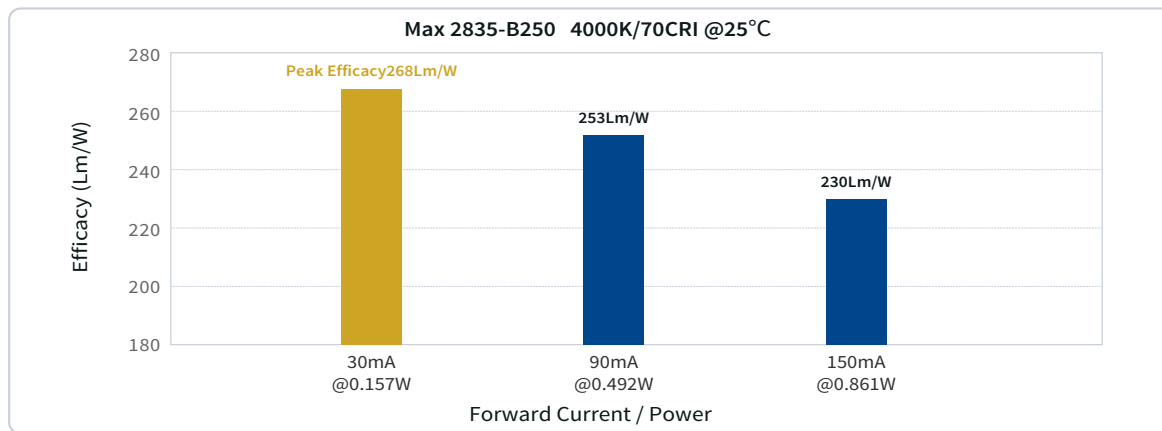
240

mA
Max Current

5.6

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 30mA - 150mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)30mA
70	3000K	H-M28307B250-0202TB0	187	250-260
	4000K	H-M28407B250-0202TB0	198	265-275
	5000K	H-M28507B250-0202TB0	196	265-275
	6500K	H-M28657B250-0202TB0	190	250-260
80	3000K	H-M28308B250-0202TB0	167	230-240
	4000K	H-M28408B250-0202TB0	178	245-255
	5000K	H-M28508B250-0202TB0	176	245-255
	6500K	H-M28658B250-0202TB0	171	235-245

Key Features 关键特性

- ▶ Low-Power High-Efficiency Solution with Up to 268 lm/W
低功率高效率解决方案，至高可达268 m/w
- ▶ Designed for High-Efficiency Lighting in Industrial and Outdoor Applications
专为工业照明和户外应用中需要极高能效的灯具设计

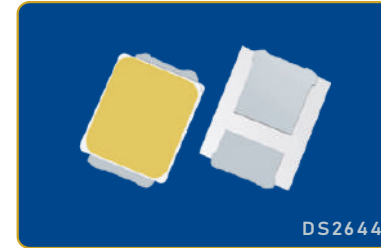
Application 应用



MAX SERIES

Max 2835-C250

Low current ultra-high luminous efficacy- 3.0 mm x 3.6 mm PCT
 小电流超高光效 · 3.0mm x 3.6 mm PCT


268

Lm/W
Max Efficacy @0.2W

1.5

W
Max Power

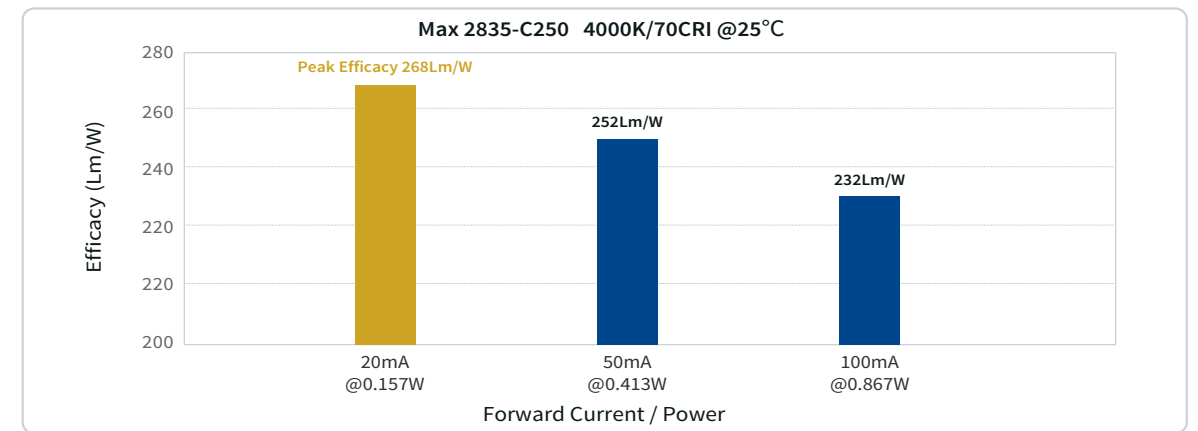
160

mA
Max Current

8.1

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 20mA - 100mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)100mA	Efficacy(Lm/W)20mA
70	3000K	H-M28307C250-0301TB0	188	250-260
	4000K	H-M28407C250-0301TB0	200	265-275
	5000K	H-M28507C250-0301TB0	198	265-275
	6500K	H-M28657C250-0301TB0	192	250-260
80	3000K	H-M28308C250-0301TB0	173	230-240
	4000K	H-M28408C250-0301TB0	184	245-255
	5000K	H-M28508C250-0301TB0	182	245-255
	6500K	H-M28658C250-0301TB0	177	235-245

Key Features 关键特性

- ▶ Low-Power High-Efficiency Solution with Up to 268 lm/W
低功率高效率解决方案，至高可达268 lm/w
- ▶ Designed for High-Efficiency Lighting in Industrial and Outdoor Applications
专为工业照明和户外应用中需要极高能效的灯具设计

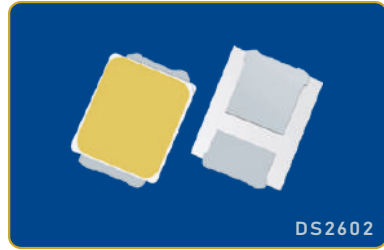
Application 应用



MAX SERIES

Max 2835-A250F

Low current ultra-high luminous efficacy- 3.0 mm x 3.6 mm PCT
 小电流超高光效 · 3.0 mm x 3.6 mm PCT


255

Lm/W
Max Efficacy @0.2W

1.5

W
Max Power

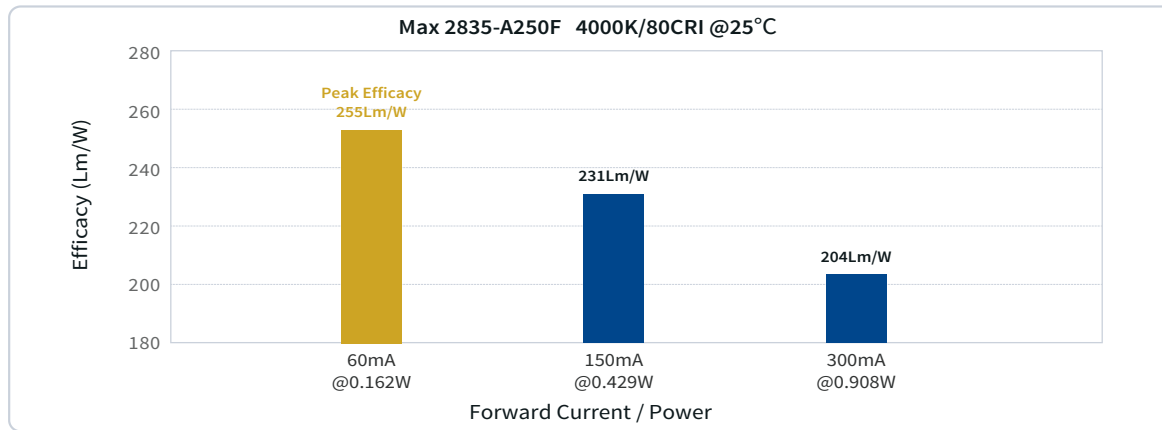
480

mA
Max Current

2.8

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 60mA - 300mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)300mA	Efficacy(Lm/W)60mA
80	3000K	H-M28308A250-0103TBF	172	235-245
	4000K	H-M28408A250-0103TBF	183	250-260
	5000K	H-M28508A250-0103TBF	181	250-260
	6500K	H-M28658A250-0103TBF	175	240-250

Key Features 关键特性

- ▶ Low-Power High-Efficiency Solution with Up to 255 lm/W
低功率高效率解决方案，至高可达255 lm/w
- ▶ CRI 80+ High-Efficacy Solution to Meet the Requirements for Extreme Efficacy in Indoor Lighting
80显高光效方案，满足室内照明对极致光效的要求

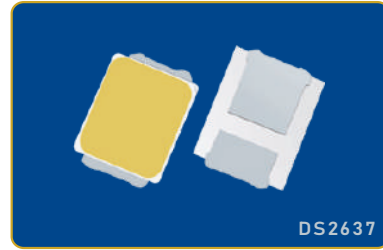
Application 应用



MAX SERIES

Max 2835-B250F

Low current ultra-high luminous efficacy- 3.0 mm x 3.6 mm PCT
 小电流超高光效 · 3.0 mm x 3.6 mm PCT


254

Lm/W
Max Efficacy @0.2W

1.5

W
Max Power

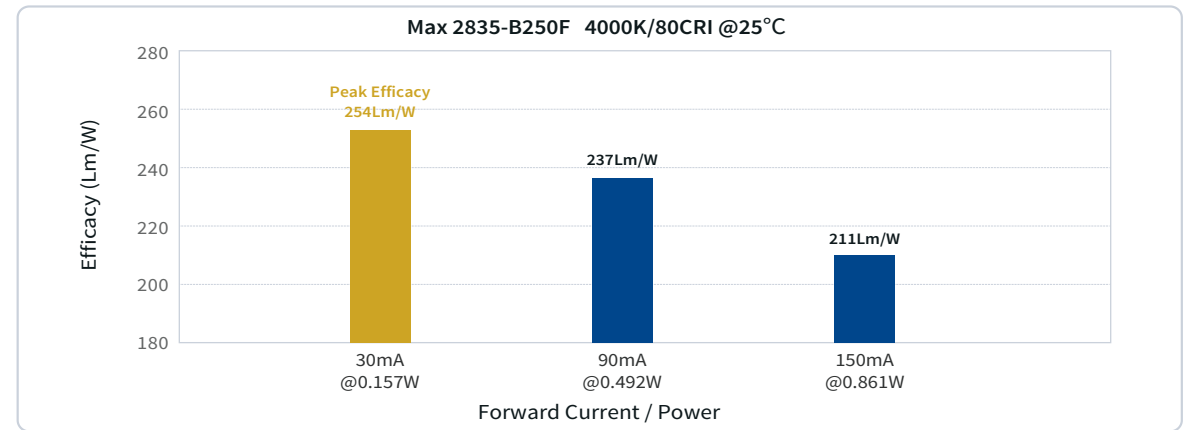
240

mA
Max Current

5.6

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 30mA - 150mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)30mA
80	3000K	H-M28308B250-0202TBF	171	235-245
	4000K	H-M28408B250-0202TBF	182	250-260
	5000K	H-M28508B250-0202TBF	180	250-260
	6500K	H-M28658B250-0202TBF	174	240-250

Key Features 关键特性

- ▶ Low-Power High-Efficiency Solution with Up to 254 lm/W
低功率高效率解决方案，至高可达254 lm/w
- ▶ CRI 80+ High-Efficacy Solution to Meet the Requirements for Extreme Efficacy in Indoor Lighting
80显高光效方案，满足室内照明对极致光效的要求

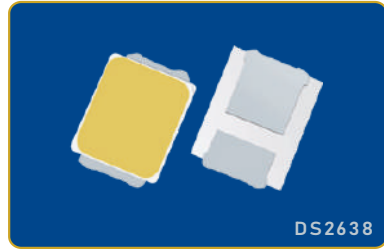
Application 应用



MAX SERIES

Max 2835-C250F

Low current ultra-high luminous efficacy- 3.0 mm x 3.6 mm PCT
 小电流超高光效 · 3.0 mm x 3.6 mm PCT


251

Lm/W
Max Efficacy @0.2W

1.5

W
Max Power

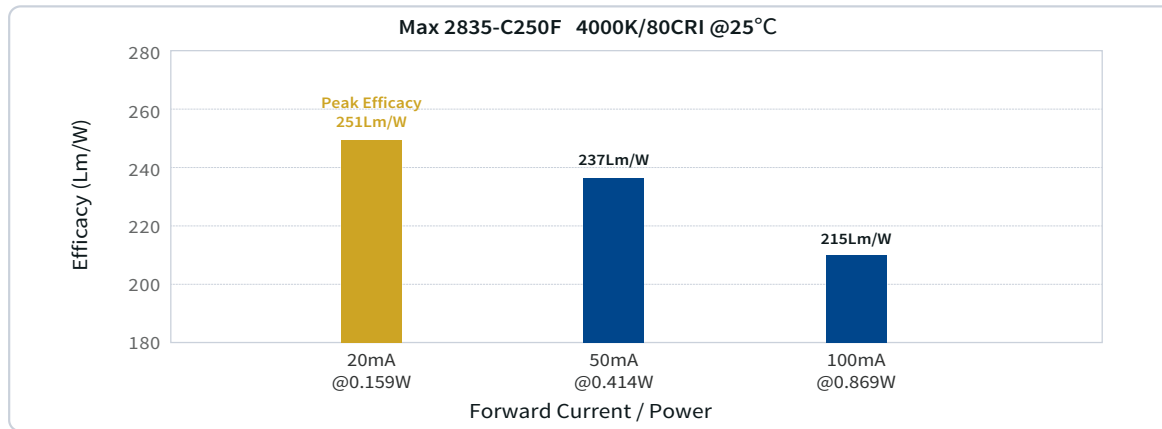
160

mA
Max Current

8.1

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 20mA - 100mA)



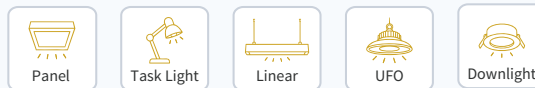
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)100mA	Efficacy(Lm/W)20mA
80	3000K	H-M28308C250-0301TBF	176	235-245
	4000K	H-M28408C250-0301TBF	187	250-260
	5000K	H-M28508C250-0301TBF	185	250-260
	6500K	H-M28658C250-0301TBF	180	235-245

Key Features 关键特性

- ▶ Low-Power High-Efficiency Solution with Up to 251 lm/W
低功率高效率解决方案，至高可达251 lm/w
- ▶ CRI 80+ High-Efficacy Solution to Meet the Requirements for Extreme Efficacy in Indoor Lighting
80显高光效方案，满足室内照明对极致光效的要求

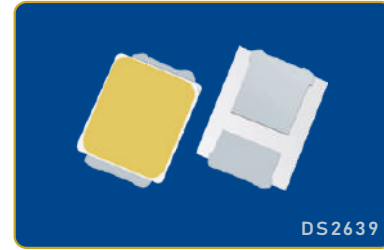
Application 应用



MAX SERIES

Max 2835-E250F

Low current ultra-high luminous efficacy- 3.0 mm x 3.6 mm PCT
 小电流超高光效 · 3.0 mm x 3.6 mm PCT


256

Lm/W
Max Efficacy @0.2W

1.0

W
Max Power

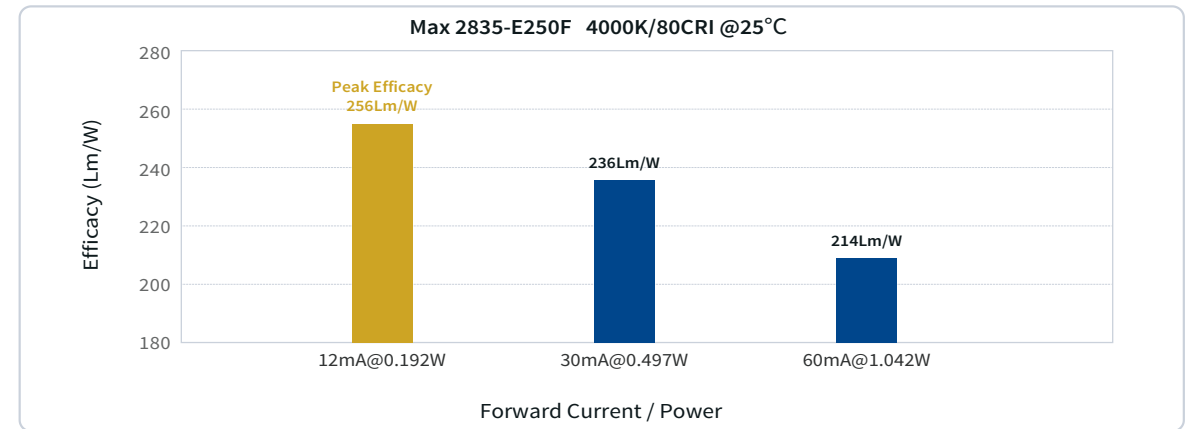
60

mA
Max Current

17.0

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 12mA - 60mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)60mA	Efficacy(Lm/W)12mA
80	3000K	H-M28308E250-0202TBF	209	240-250
	4000K	H-M28408E250-0202TBF	223	250-260
	5000K	H-M28508E250-0202TBF	220	250-260
	6500K	H-M28658E250-0202TBF	214	240-250

Key Features 关键特性

- ▶ Low-Power High-Efficiency Solution with Up to 256 lm/W
低功率高效率解决方案，至高可达256 lm/w
- ▶ CRI 80+ High-Efficacy Solution to Meet the Requirements for Extreme Efficacy in Indoor Lighting
80显高光效方案，满足室内照明对极致光效的要求

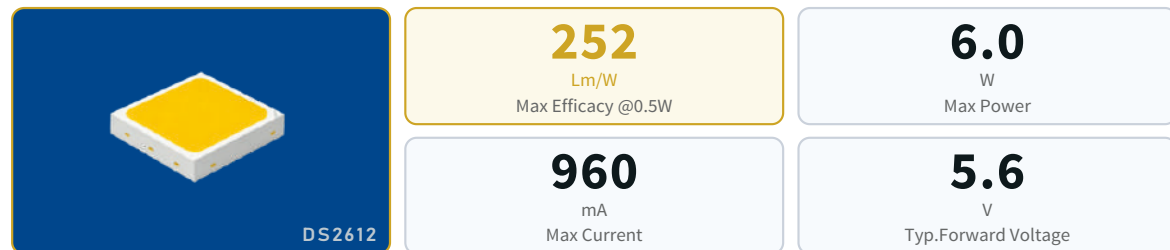
Application 应用



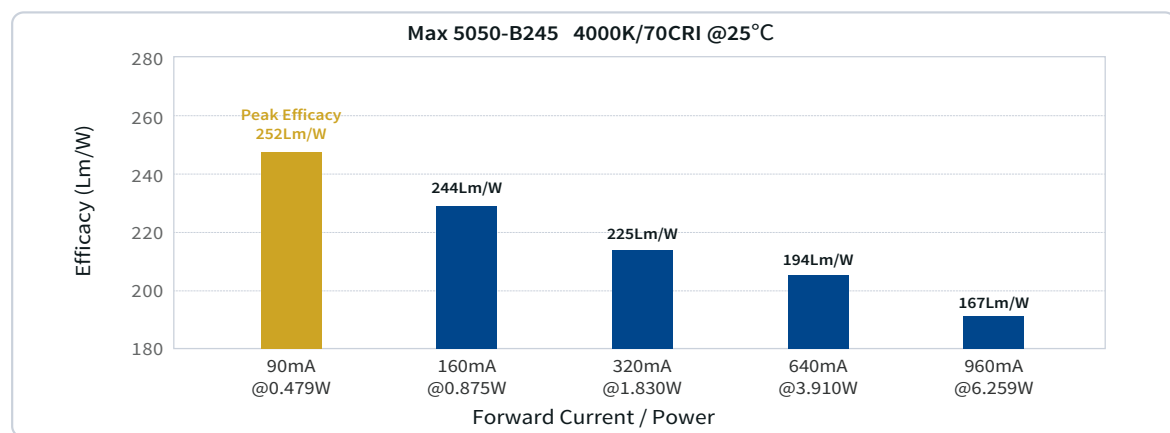
MAX SERIES

Max 5050-B245

Low current ultra-high luminous efficacy- 5.3mm x 5.3mm EMC
 小电流超高光效 · 5.3mm x 5.3mm EMC



Efficacy vs Current 光效 VS 电流 (IF 90mA - 960mA)



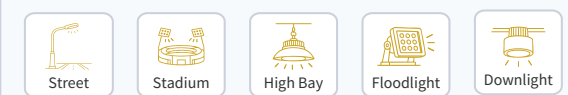
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)960mA	Efficacy(Lm/W)160mA
70	3000K	H-M50307B245-0206EA0	983	225-235
	4000K	H-M50407B245-0206EA0	1045	240-250
	5000K	H-M50507B245-0206EA0	1035	240-250
	6500K	H-M50657B245-0206EA0	1004	225-235
80	3000K	H-M50308B245-0206EA0	884	200-210
	4000K	H-M50408B245-0206EA0	941	215-225
	5000K	H-M50508B245-0206EA0	931	215-225
	6500K	H-M50658B245-0206EA0	903	210-220

Key Features 关键特性

- Low-Power High-Efficiency Solution with Up to 252 lm/W
低功率高效率解决方案，至高达252 lm/w
- EMC Package Material for Superior Thermal Stability
EMC材质封装，高热稳定性
- Cost-effective low-current solution, optimal at 1.0-1.5W
经济高效的低电流解决方案，最佳使用功率：1.0-1.5瓦

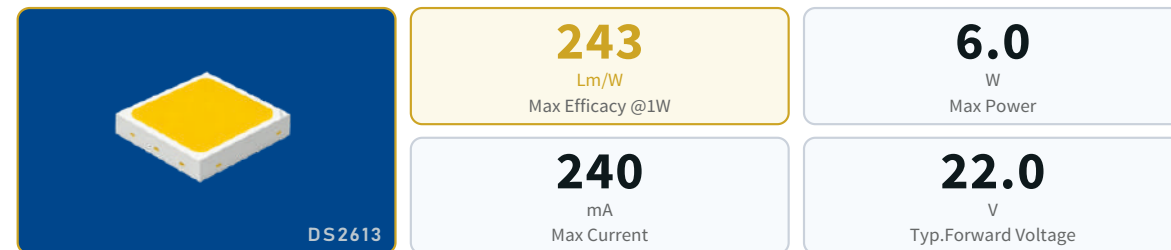
Application 应用



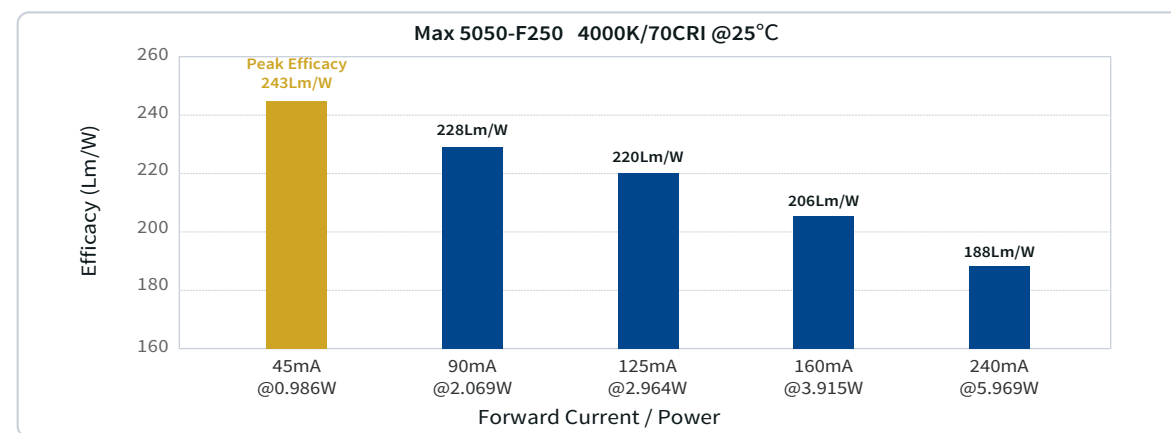
MAX SERIES

Max 5050-F250

Low current ultra-high luminous efficacy- 5.3mm x 5.3mm EMC
 小电流超高光效 · 5.3mm x 5.3mm EMC



Efficacy vs Current 光效 VS 电流 (IF 45mA - 240mA)



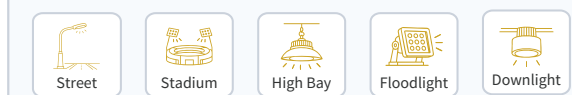
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)240mA	Efficacy(Lm/W)45mA
70	3000K	H-M50307F250-0801EA0	1053	225-235
	4000K	H-M50407F250-0801EA0	1120	240-250
	5000K	H-M50507F250-0801EA0	1109	240-250
	6500K	H-M50657F250-0801EA0	1075	225-235
80	3000K	H-M50308F250-0801EA0	947	200-210
	4000K	H-M50408F250-0801EA0	1008	215-225
	5000K	H-M50508F250-0801EA0	998	215-225
	6500K	H-M50658F250-0801EA0	968	210-220

Key Features 关键特性

- Low-Power High-Efficiency Solution with Up to 243 lm/W
低功率高效率解决方案，至高达243 lm/w
- EMC Package Material for Superior Thermal Stability
EMC材质封装，高热稳定性
- Cost-effective low-current solution, optimal at 1.0-1.5W
经济高效的低电流解决方案，最佳使用功率：1.0-1.5瓦

Application 应用



MAX SERIES

Max 5050-F260

Low current ultra-high luminous efficacy- 5.3mm x 5.3mm EMC
小电流超高光效 · 5.3mm x 5.3mm EMC



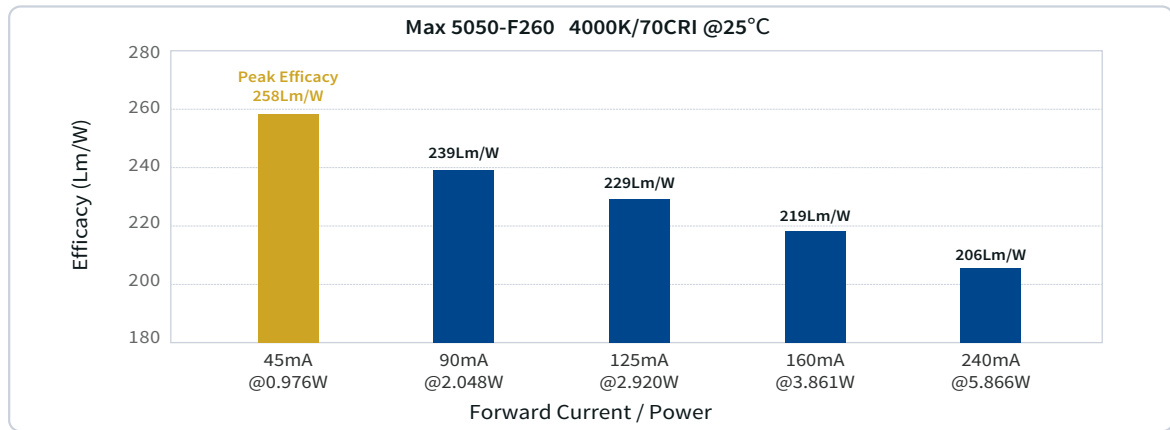
258
Lm/W
Max Efficacy @1W

240
mA
Max Current

6.0
W
Max Power

22.0
V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 45mA - 240mA)



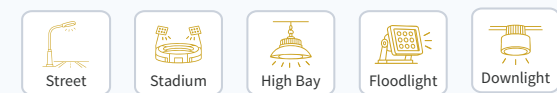
Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)240mA	Efficacy(Lm/W)45mA
70	3000K	H-M50307F260-0801EA0	1136	240-250
	4000K	H-M50407F260-0801EA0	1208	255-265
	5000K	H-M50507F260-0801EA0	1196	255-265
	6500K	H-M50657F260-0801EA0	1159	240-250
80	3000K	H-M50308F260-0801EA0	1022	215-225
	4000K	H-M50408F260-0801EA0	1087	230-240
	5000K	H-M50508F260-0801EA0	1065	230-240
	6500K	H-M50658F260-0801EA0	1044	220-230

Key Features 关键特性

- ▶ Low-Power High-Efficiency Solution with Up to 258 lm/W
低功率高效率解决方案，至高达258 lm/w
- ▶ EMC Package Material for Superior Thermal Stability
EMC材质封装，高热稳定性
- ▶ Cost-effective low-current solution, optimal at 1.0-1.5W
经济高效的低电流解决方案，最佳使用功率：1.0-1.5瓦

Application 应用



ULTRA-HIGH
超高

Ultra Series - High-Current Ultra-Efficacy

大电流超高光效系列

High-current drive · 265+lm/W 大电流驱动 · 光效265+lm/W

Targets high-current drive, maintaining 245-265 lm/W under high power. 3030 and 5050 packages support high-power needs; an ultra-low blue light option (F255B 1%) meets premium RG0 and eye protection standards.

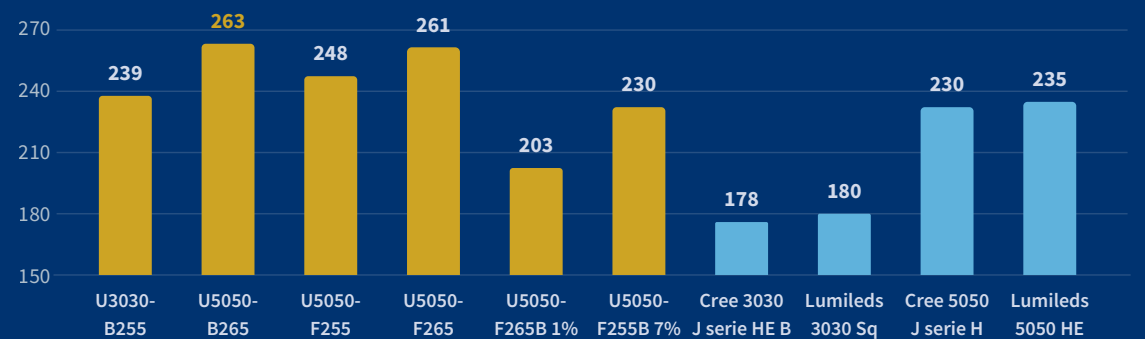
Ultra系列面向大电流驱动场景，在高功率条件下依然保持 245-265 lm/W 的超高光效。3030和5050双封装支撑大功率照明需求，特别提供超低蓝光占比选项(F255B 1%)，满足高端户外RG0标准和极致护眼的要求。

- High-current 245-265 lm/W, dual breakthrough in power & efficiency
- Ultra-low blue light ratio for premium health lighting customization
- 3030 / 5050 full range, all-scenario high-power coverage
- 大电流驱动245-265lm/W，功率与效率双突破
- 超低蓝光占比，满足高端健康照明定制化需求
- 3030与5050封装齐全，大功率全应用覆盖

KEY MODELES 代表型号 U3030-B255 · U5050-B265 · U5050-F255

MAX EFFICACY BY PRODUCT 产品最大光效

单位lm/w · Ta=25°C @Ra70 & 4000K



APPLICATION 应用

- Floodlight 投光灯
- Tunnel 隧道灯
- Streetlight 路灯
- High Bay 工矿灯

ULTRA SERIES

Ultra 3030-B245

Ultra-High Luminous Efficacy at High Current· 3.4mm x 3.4mm EMC
 大电流超高光效 · 3.4mm x 3.4mm EMC


264

Lm/W
Max Efficacy @0.2W

3.0

W
Max Power

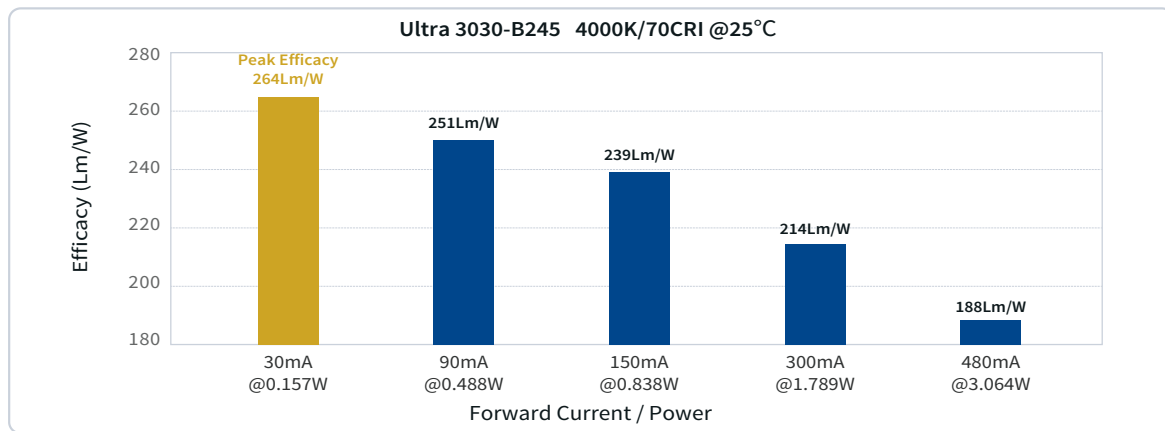
450

mA
Max Current

5.6

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 30mA - 480mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)150mA
70	3000K	H-U30307B245-0202EA0	188	220-230
	4000K	H-U30407B245-0202EA0	200	235-245
	5000K	H-U30507B245-0202EA0	198	235-245
	6500K	H-U30657B245-0202EA0	192	220-230
80	3000K	H-U30308B245-0202EA0	173	200-210
	4000K	H-U30408B245-0202EA0	184	215-225
	5000K	H-U30508B245-0202EA0	182	215-225
	6500K	H-U30658B245-0202EA0	177	210-220

Key Features 关键特性

- ▶ High-Current Design, Up to 264 lm/W High Efficacy
大电流设计，至高光效264 lm/w
- ▶ EMC Package Material for Superior Thermal Stability
EMC材质封装，高热稳定性
- ▶ Optimized for High-Power Outdoor Lighting Applications
精准适配户外大功率灯具

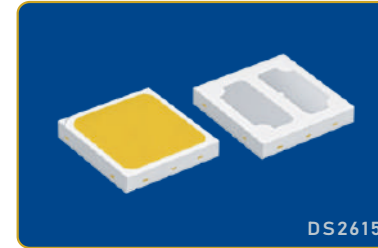
Application 应用



ULTRA SERIES

Ultra 5050-B255

Ultra-High Luminous Efficacy at High Current· 5.3mm x 5.3mm EMC
 大电流超高光效 · 5.3mm x 5.3mm EMC


247

Lm/W
Max Efficacy @1W

6.0

W
Max Power

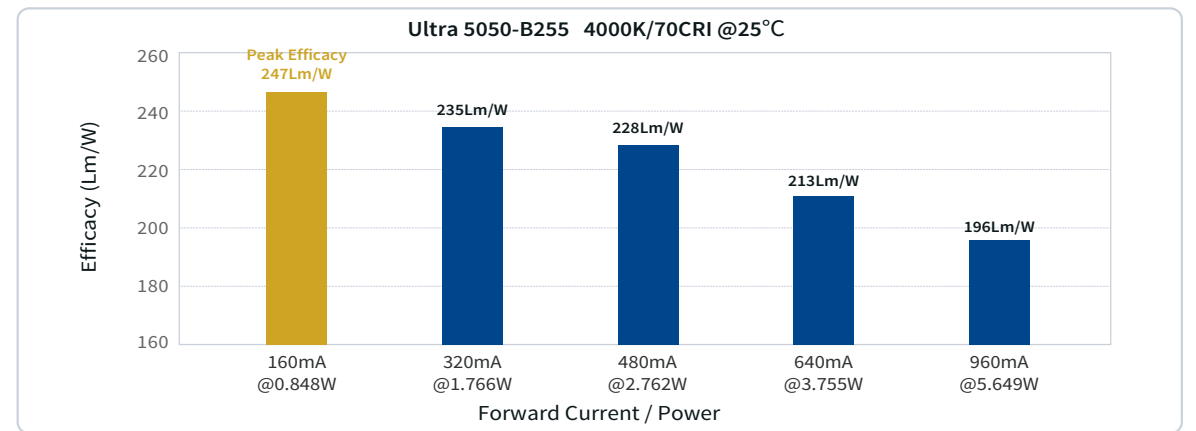
960

mA
Max Current

5.4

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 160mA - 960mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)960mA	Efficacy(Lm/W)160mA
70	3000K	H-U50307B255-0208EA0	1039	230-240
	4000K	H-U50407B255-0208EA0	1105	245-255
	5000K	H-U50507B255-0208EA0	1094	245-255
	6500K	H-U50657B255-0208EA0	1061	230-240
80	3000K	H-U50308B255-0208EA0	935	205-215
	4000K	H-U50408B255-0208EA0	995	220-230
	5000K	H-U50508B255-0208EA0	985	220-230
	6500K	H-U50658B255-0208EA0	955	210-220

Key Features 关键特性

- ▶ High-Current Design, Up to 247 lm/W High Efficacy
大电流设计，至高光效247 lm/w
- ▶ EMC Package Material for Superior Thermal Stability
EMC材质封装，高热稳定性
- ▶ Optimized for High-Power Outdoor Lighting Applications
精准适配户外大功率灯具

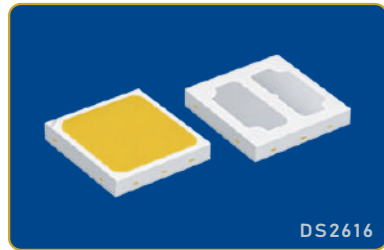
Application 应用



ULTRA SERIES

Ultra 5050-B265

Ultra-High Luminous Efficacy at High Current · 5.3mm x 5.3mm EMC
 大电流超高光效 · 5.3 mm x 5.3 mm EMC


263

 Lm/W
 Max Efficacy @1W

6.0

 W
 Max Power

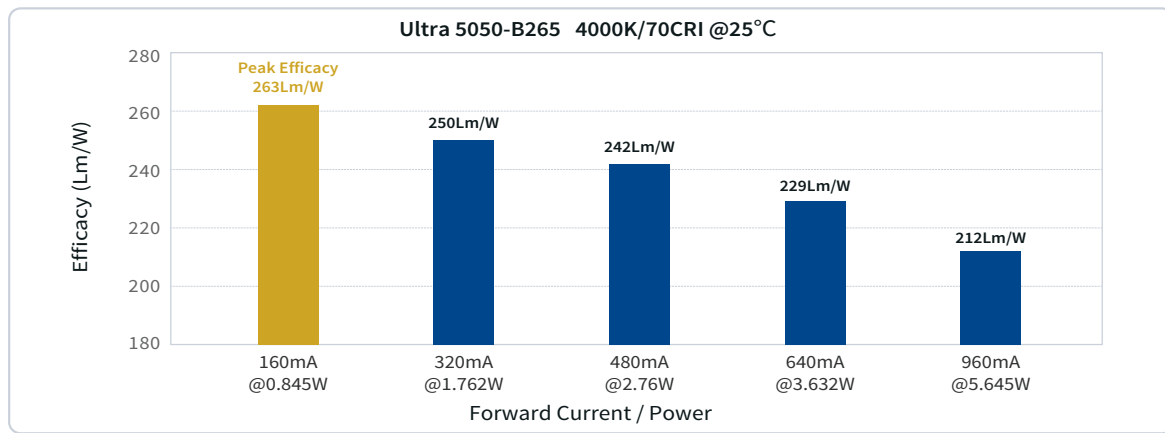
960

 mA
 Max Current

5.4

 V
 Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 160mA - 960mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)960mA	Efficacy(Lm/W)160mA
70	3000K	H-U50307B265-0208EA0	1124	245-255
	4000K	H-U50407B265-0208EA0	1196	260-270
	5000K	H-U50507B265-0208EA0	1184	260-270
	6500K	H-U50657B265-0208EA0	1148	245-255
80	3000K	H-U50308B265-0208EA0	1011	220-230
	4000K	H-U50408B265-0208EA0	1076	235-245
	5000K	H-U50508B265-0208EA0	1065	235-245
	6500K	H-U50658B265-0208EA0	1033	225-235

Key Features 关键特性

- ▶ High-Current Design, Up to 263 lm/W High Efficacy
大电流设计，至高光效263 lm/w
- ▶ EMC Package Material for Superior Thermal Stability
EMC材质封装，高热稳定性
- ▶ Optimized for High-Power Outdoor Lighting Applications
精准适配户外大功率灯具

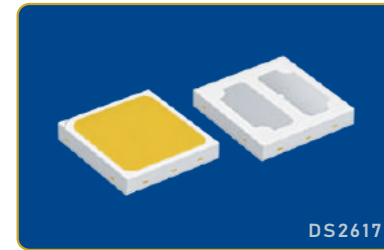
Application 应用



ULTRA SERIES

Ultra 5050-F255

Ultra-High Luminous Efficacy at High Current· 5.3mm x 5.3mm EMC
 大电流超高光效 · 5.3mm x 5.3mm EMC


248

 Lm/W
 Max Efficacy @1W

6.0

 W
 Max Power

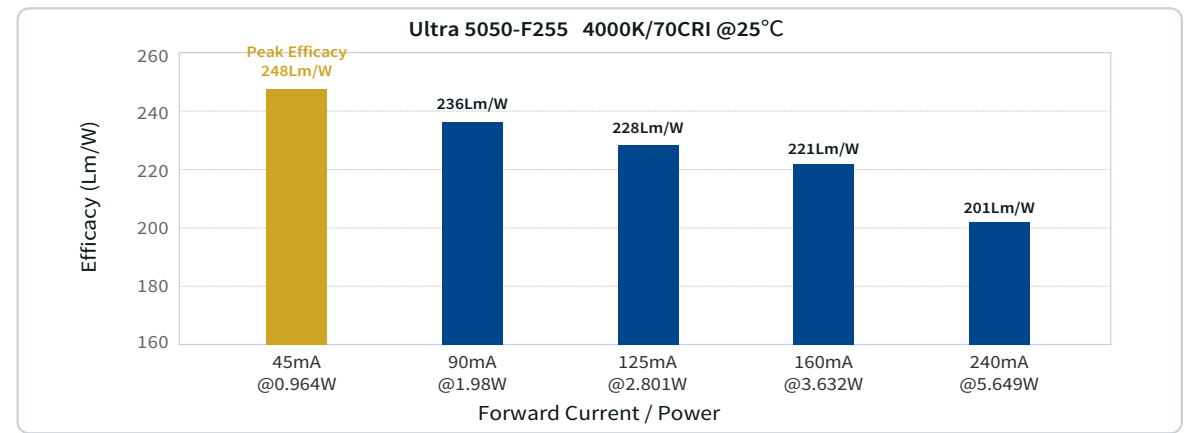
240

 mA
 Max Current

5.4

 V
 Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 45mA - 240mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)240mA	Efficacy(Lm/W)45mA
70	3000K	H-U50307F255-0802EA0	1065	230-240
	4000K	H-U50407F255-0802EA0	1133	245-255
	5000K	H-U50507F255-0802EA0	1122	245-255
	6500K	H-U50657F255-0802EA0	1088	230-240
80	3000K	H-U50308F255-0802EA0	959	205-215
	4000K	H-U50408F255-0802EA0	1020	220-230
	5000K	H-U50508F255-0802EA0	1010	220-230
	6500K	H-U50658F255-0802EA0	979	210-220

Key Features 关键特性

- ▶ High-Current Design, Up to 248 lm/W High Efficacy
大电流设计，至高光效248 lm/w
- ▶ EMC Package Material for Superior Thermal Stability
EMC材质封装，高热稳定性
- ▶ Optimized for High-Power Outdoor Lighting Applications
精准适配户外大功率灯具

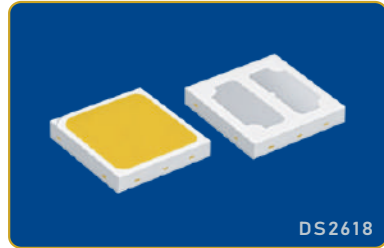
Application 应用



ULTRA SERIES

Ultra 5050-F265

Ultra-High Luminous Efficacy at High Current· 5.3mm x 5.3mm EMC
大电流超高光效 · 5.3mm x 5.3mm EMC



DS2618

261

Lm/W
Max Efficacy @1W

6.0

W
Max Power

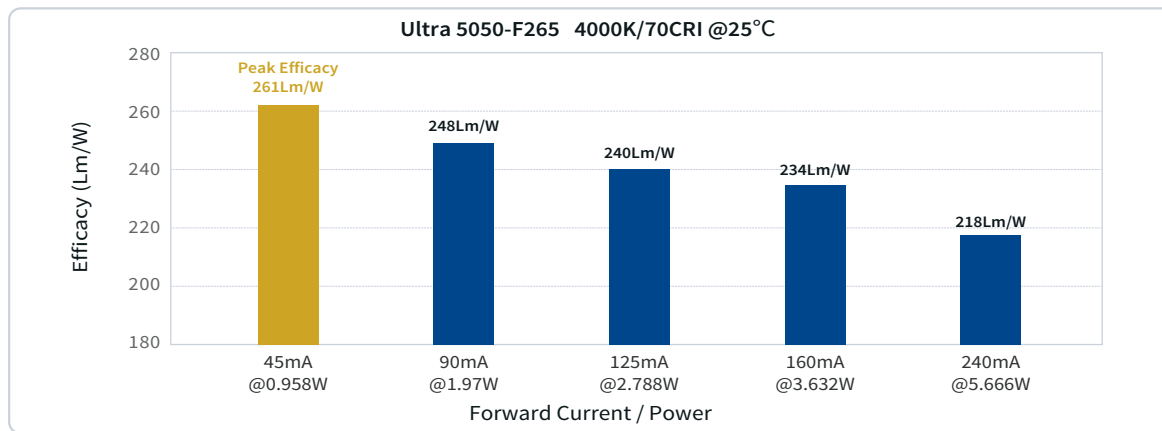
240

mA
Max Current

22.0

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 45mA - 240mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)240mA	Efficacy(Lm/W)45mA
70	3000K	H-U50307F265-0802EA0	1160	245-255
	4000K	H-U50407F265-0802EA0	1234	260-270
	5000K	H-U50507F265-0802EA0	1222	260-270
	6500K	H-U50657F265-0802EA0	1184	245-255
80	3000K	H-U50308F265-0802EA0	1044	220-230
	4000K	H-U50408F265-0802EA0	1110	235-245
	5000K	H-U50508F265-0802EA0	1099	235-245
	6500K	H-U50658F265-0802EA0	1066	225-235

Key Features 关键特性

- ▶ High-Current Design, Up to 261 lm/W High Efficacy
大电流设计，至高光效261 lm/w
- ▶ EMC Package Material for Superior Thermal Stability
EMC材质封装，高热稳定性
- ▶ Optimized for High-Power Outdoor Lighting Applications
精准适配户外大功率灯具

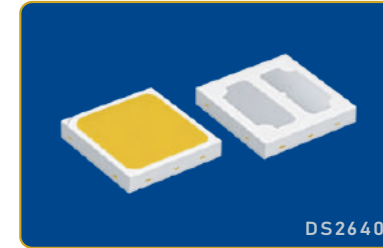
Application 应用



ULTRA SERIES

Ultra 5050-F255B 1%

Ultra-High Luminous Efficacy at High Current· 5.3mm x 5.3mm EMC
大电流超高光效 · 5.3mm x 5.3mm EMC



DS2640

203

Lm/W
Max Efficacy @1W

6.0

W
Max Power

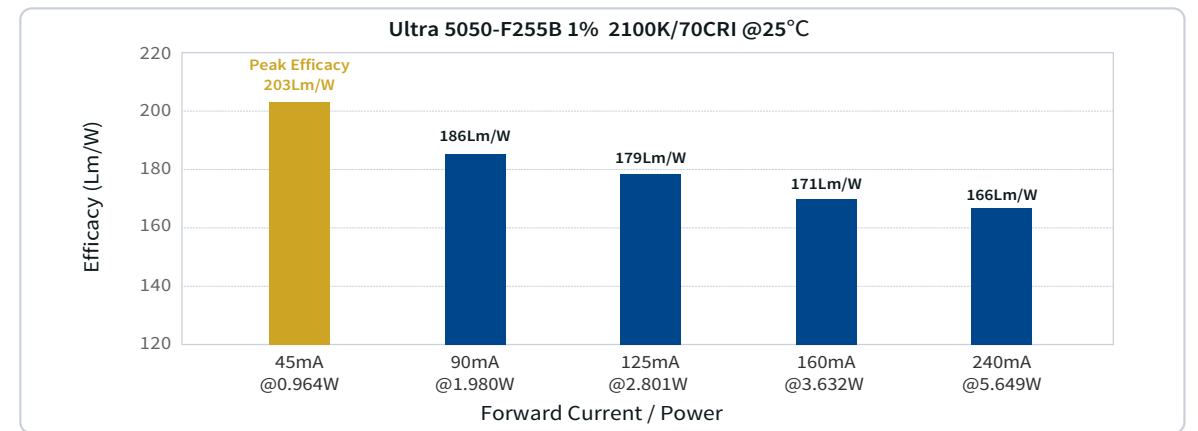
240

mA
Max Current

22.0

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 45mA - 240mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)240mA	Efficacy(Lm/W)45mA
70	2100	H-U50217F255-0802EA1	939	200-210
65	1800	H-U50186F255-0802EA1	802	170-180

Key Features 关键特性

- ▶ High-Current Design, Up to 203 lm/W High Efficacy
大电流设计，至高光效203 lm/w
- ▶ EMC Package Material for Superior Thermal Stability
EMC材质封装，高热稳定性
- ▶ Tunable blue light ratio for special applications
适用于特殊应用的可调蓝光比

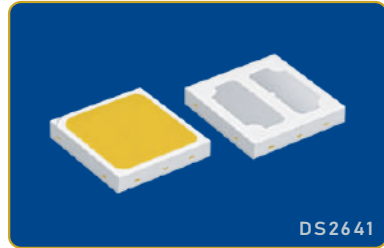
Application 应用



ULTRA SERIES

Ultra 5050-F255B 7%

Ultra-High Luminous Efficacy at High Current · 5.3mm x 5.3mm EMC
大电流超高光效 · 5.3mm x 5.3mm EMC



DS2641

230

Lm/W
Max Efficacy @1W

6.0

W
Max Power

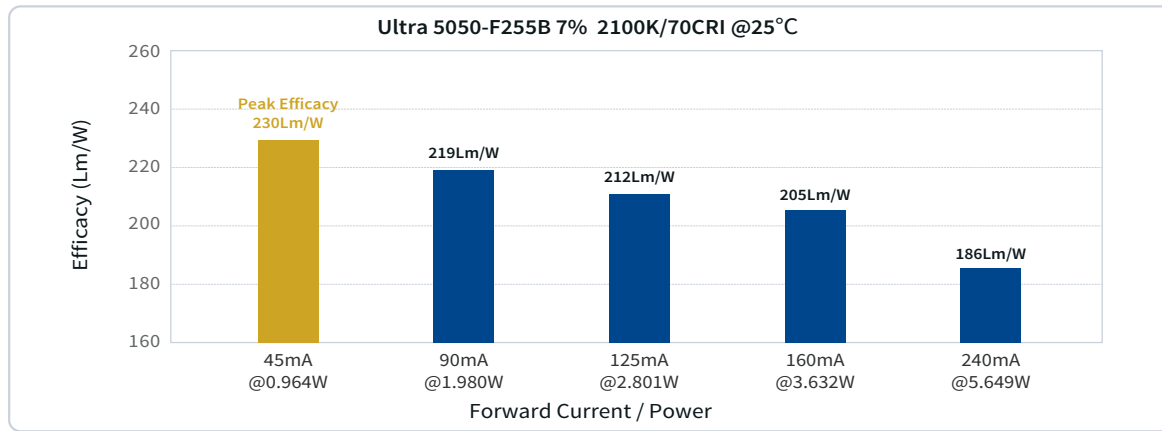
240

mA
Max Current

22.0

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 45mA - 240mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)240mA	Efficacy(Lm/W)45mA
70	2700	H-U50277F255-0802EA7	1052	225-235

Key Features 关键特性

- ▶ High-Current Design, Up to 230 lm/W High Efficacy
大电流设计，至高光效230 lm/w
- ▶ EMC Package Material for Superior Thermal Stability
EMC材质封装，高热稳定性
- ▶ Tunable blue light ratio for special applications
适用于特殊应用的可调蓝光比

Application 应用



QTen Series - 10-Year Warranty Ultra-Efficacy

10年质保超高光效系列

10-yr warranty- 270+ lm/W 10年超长质保 · 光效270+lm/W

10YR
WARRANTY
质保10年

Delivers a 10-year warranty with 255-275 lm/W ultra-high efficacy for long-term critical lighting. Available in 3030 and 5050 packages with up to 16W operating power, QTen features patented NCSP packaging technology that achieves high efficacy across a wide current range, making it an ideal solution for long-cycle applications such as tunnel lighting, street lighting, and industrial lighting.

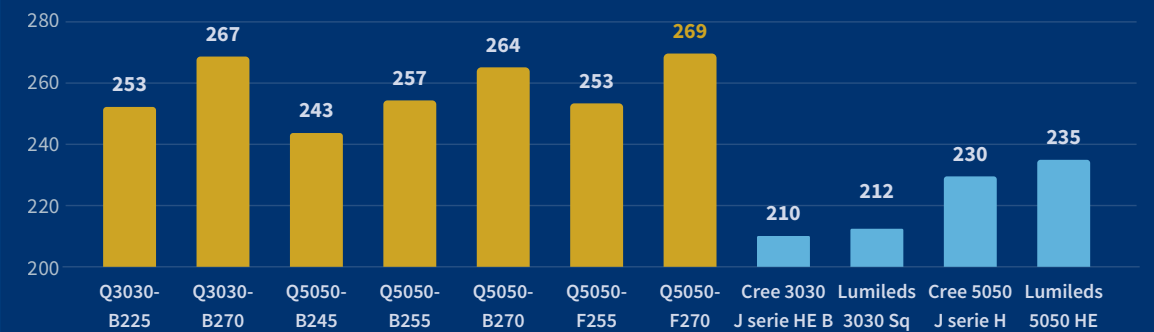
QTen系列以10年超长质保为核心承诺，结合255-275lm/W的超高光效输出，为需要长期稳定运行的关键照明项目提供终极保障。3030和5050双封装覆盖中大功率场景，最大使用功率16W，基于NCSP技术的创新型的封装工艺专利达到了从小电流到大电流高光效的效果，完美适配隧道灯、路灯、厂房照明等长周期运营场景。

- 255-275 lm/W, industry-leading brightness at same wattage
- industry-first silver-free package, sulfurization-resistant
- Advanced alloy construction delivers virtually zero lumen depreciation
- 光效255-275lm/W，同等功耗亮度领先行业
- 业界创新无银封装，无惧硫化
- 先进合金结构硫化实验几乎“零光衰”

KEY MODILES 代表型号 Q3030-B270 · Q5050-B270

MAX EFFICACY BY PRODUCT 产品最大光效

单位lm/w · Ta=25°C @Ra70 & 4000K



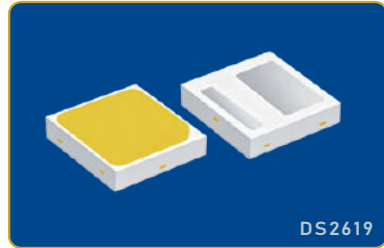
APPLICATION 应用

Floodlight 投光灯 Tunnel 隧道灯 Streetlight 路灯 High Bay 工矿灯

QTEN SERIES

QTen 3030-B255

10-Year Warranty Ultra-Efficacy · 3.0mm x 3.0mm NCSP
 10年质保高光效 · 3.0mm x 3.0mm NCSP



DS2619

253

 Lm/W
 Max Efficacy @0.2W

1.5

 W
 Max Power

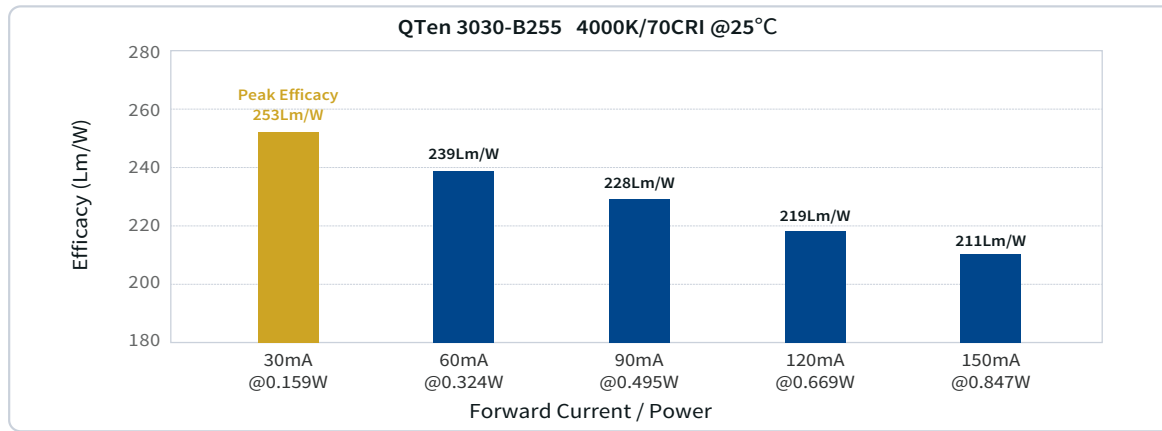
240

 mA
 Max Current

5.4

 V
 Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF30mA - 150mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)30mA
70	3000K	H-Q30307B255-0201NB0	168	235-245
	4000K	H-Q30407B255-0201NB0	179	250-260
	5000K	H-Q30507B255-0201NB0	177	250-260
	6500K	H-Q30657B255-0201NB0	171	235-245
80	3000K	H-Q30308B255-0201NB0	151	210-220
	4000K	H-Q30408B255-0201NB0	161	225-235
	5000K	H-Q30508B255-0201NB0	159	225-235
	6500K	H-Q30658B255-0201NB0	154	215-225

Key Features 关键特性

- ▶ NCSP innovative packaging, efficacy up to 253 lm/W
NCSP创新封装, 至高光效253 lm/W
- ▶ Silver-free packaging, 10-year warranty
无银封装, 质保十年
- ▶ Flagship quality, worry-free outdoor high-power lighting
旗舰品质, 无忧户外高功率照明

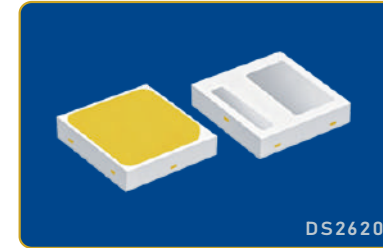
Application 应用



QTEN SERIES

QTen 3030-B270

10-Year Warranty Ultra-Efficacy · 3.0mm x 3.0mm NCSP
 10年质保高光效 · 3.0mm x 3.0mm NCSP



DS2620

267

 Lm/W
 Max Efficacy @0.2W

1.5

 W
 Max Power

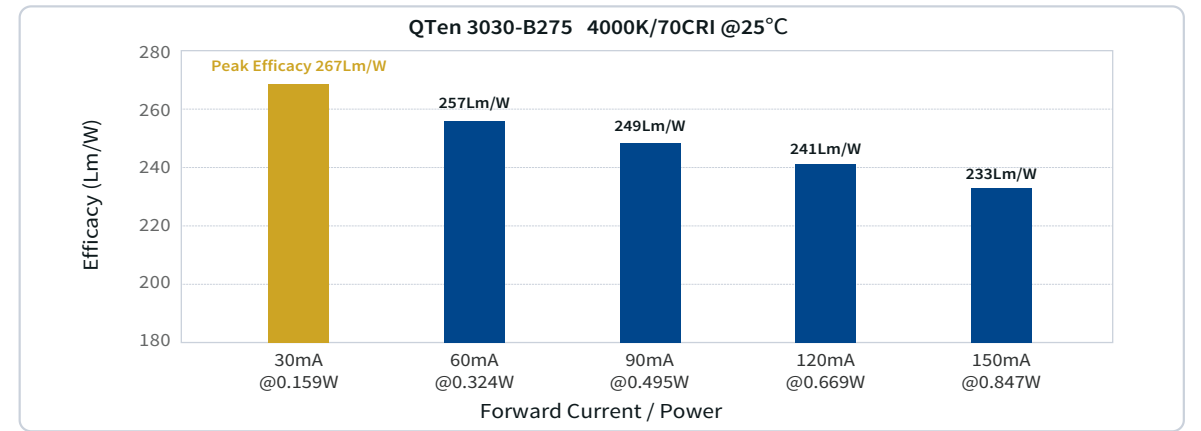
240

 mA
 Max Current

5.4

 V
 Typ.Forward Voltage


Efficacy vs Current 光效 VS 电流 (IF30mA - 150mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)150mA	Efficacy(Lm/W)30mA
70	3000K	H-Q30307B275-0201NB0	185	250-260
	4000K	H-Q30407B275-0201NB0	197	265-275
	5000K	H-Q30507B275-0201NB0	195	265-275
	6500K	H-Q30657B275-0201NB0	189	250-260
80	3000K	H-Q30308B275-0201NB0	170	220-230
	4000K	H-Q30408B275-0201NB0	181	235-245
	5000K	H-Q30508B275-0201NB0	179	235-245
	6500K	H-Q30658B275-0201NB0	173	230-240

Key Features 关键特性

- ▶ NCSP innovative packaging, efficacy up to 267 lm/W
NCSP创新封装, 至高光效267 lm/W
- ▶ Silver-free packaging, 10-year warranty
无银封装, 质保十年
- ▶ Flagship quality, worry-free outdoor high-power lighting
旗舰品质, 无忧户外高功率照明

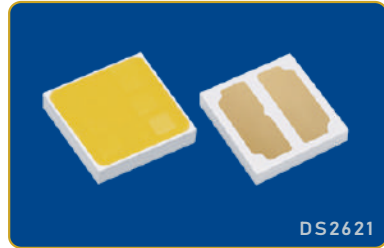
Application 应用



QTEN SERIES

QTen 5050-B245

10-Year Warranty Ultra-Efficacy· 5.0mm x 5.0mm NCSP
 10年质保高光效·5.0mm x 5.0mm NCSP


243

Lm/W
Max Efficacy @1W

6.0

W
Max Power

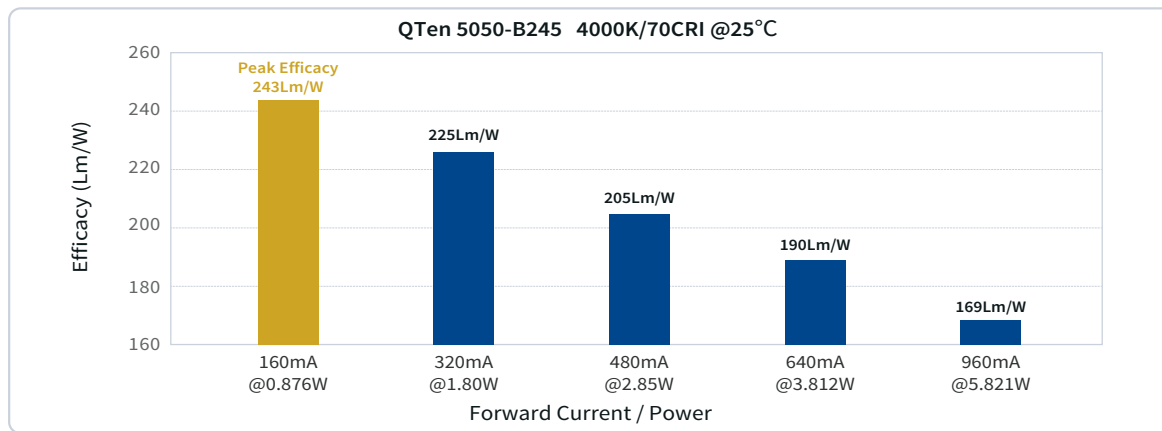
960

mA
Max Current

5.4

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF160mA - 960mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)960mA	Efficacy(Lm/W)160mA
70	3000K	H-Q50307B245-0204NA0	925	225-235
	4000K	H-Q50407B245-0204NA0	985	240-250
	5000K	H-Q50507B245-0204NA0	975	240-250
	6500K	H-Q50657B245-0204NA0	945	225-235
80	3000K	H-Q50308B245-0204NA0	833	200-210
	4000K	H-Q50408B245-0204NA0	886	215-225
	5000K	H-Q50508B245-0204NA0	877	215-225
	6500K	H-Q50658B245-0204NA0	851	210-220

Key Features 关键特性

- ▶ NCSP innovative packaging, efficacy up to 243 lm/W
NCSP创新封装, 至高光效243 lm/W
- ▶ Silver-free packaging, 10-year warranty
无银封装, 质保十年
- ▶ Flagship quality, worry-free outdoor high-power lighting
旗舰品质, 无忧户外高功率照明

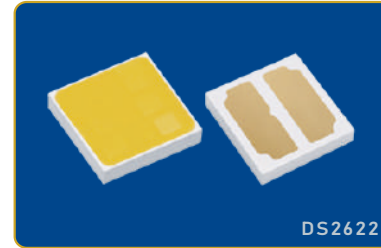
Application 应用



QTEN SERIES

QTen 5050-B255

10-Year Warranty Ultra-Efficacy· 5.3mm x 5.3mm NCSP
 10年质保高光效·5.3mm x 5.3mm NCSP


257

Lm/W
Max Efficacy @1W

6.0

W
Max Power

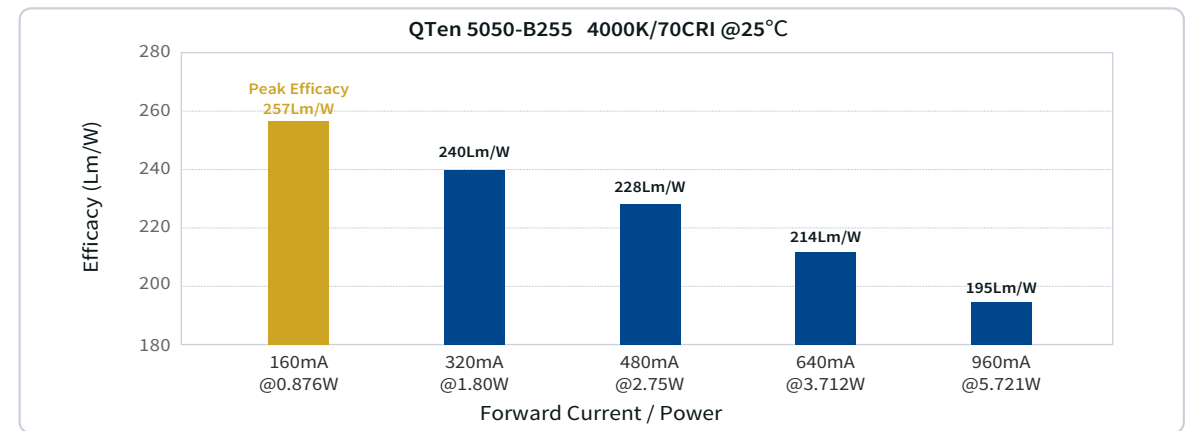
960

mA
Max Current

5.4

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF160mA - 960mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)960mA	Efficacy(Lm/W)160mA
70	3000K	H-Q50307B255-0205NA0	1049	235-245
	4000K	H-Q50407B255-0205NA0	1116	250-260
	5000K	H-Q50507B255-0205NA0	1104	250-260
	6500K	H-Q50657B255-0205NA0	1071	235-245
80	3000K	H-Q50308B255-0205NA0	944	210-220
	4000K	H-Q50408B255-0205NA0	1004	225-235
	5000K	H-Q50508B255-0205NA0	994	225-235
	6500K	H-Q50658B255-0205NA0	964	215-225

Key Features 关键特性

- ▶ NCSP innovative packaging, efficacy up to 257 lm/W
NCSP创新封装, 至高光效257 lm/W
- ▶ Silver-free packaging, 10-year warranty
无银封装, 质保十年
- ▶ Flagship quality, worry-free outdoor high-power lighting
旗舰品质, 无忧户外高功率照明

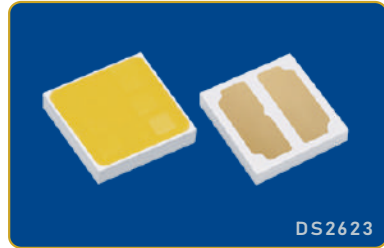
Application 应用



QTEN SERIES

QTen 5050-B270

10-Year Warranty Ultra-Efficacy· 5.3mm x 5.3mm NCSP
 10年质保高光效·5.3mm x 5.3mm NCSP


264

Lm/W
Max Efficacy @1W

16.0

W
Max Power

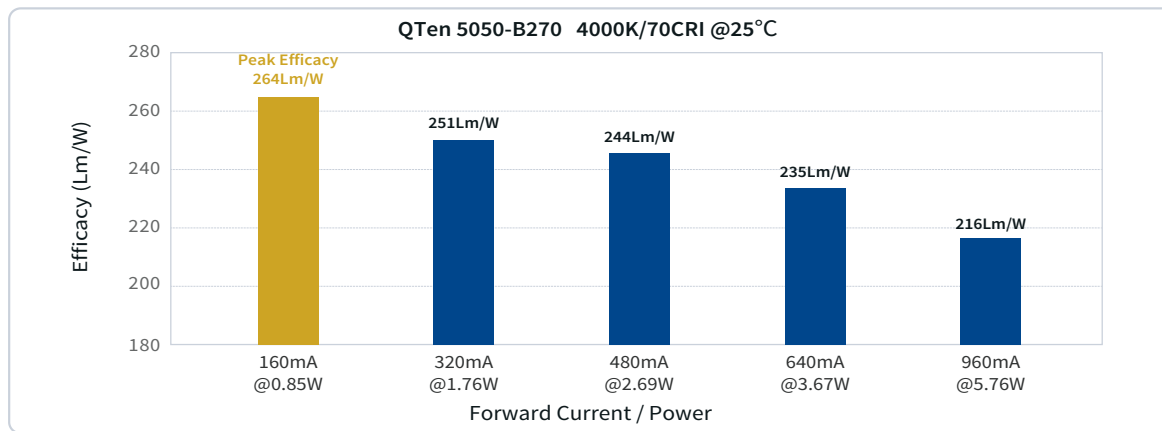
2400

mA
Max Current

5.4

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF160mA - 960mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)960mA	Efficacy(Lm/W)160mA
70	3000K	H-Q50307B270-0204NA0	1167	245-255
	4000K	H-Q50407B270-0204NA0	1241	260-270
	5000K	H-Q50507B270-0204NA0	1229	260-270
	6500K	H-Q50657B270-0204NA0	1191	245-255
80	3000K	H-Q50308B270-0204NA0	1050	215-225
	4000K	H-Q50408B270-0204NA0	1117	235-245
	5000K	H-Q50508B270-0204NA0	1106	235-245
	6500K	H-Q50658B270-0204NA0	1072	225-235

Key Features 关键特性

- ▶ NCSP innovative packaging, efficacy up to 264 lm/W
NCSP创新封装, 至高光效264 lm/W
- ▶ Silver-free packaging, 10-year warranty
无银封装, 质保十年
- ▶ Flagship quality, worry-free outdoor high-power lighting
旗舰品质, 无忧户外高功率照明

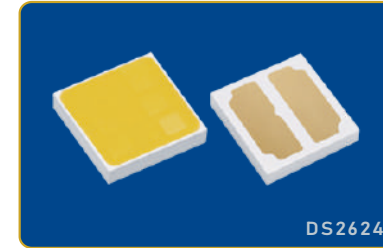
Application 应用



QTEN SERIES

QTen 5050-F250

10-Year Warranty Ultra-Efficacy· 5.3mm x 5.3mm NCSP
 10年质保高光效·5.3mm x 5.3mm NCSP


245

Lm/W
Max Efficacy @1W

6.0

W
Max Power

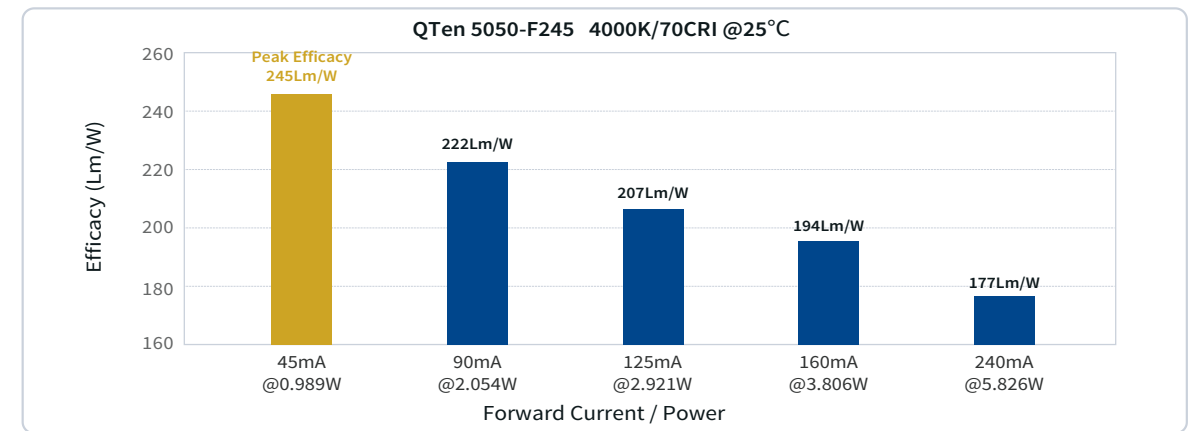
240

mA
Max Current

22.0

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF45mA - 240mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)240mA	Efficacy(Lm/W)45mA
70	3000K	H-Q50307F245-0801NA0	968	225-235
	4000K	H-Q50407F245-0801NA0	1030	240-250
	5000K	H-Q50507F245-0801NA0	1020	240-250
	6500K	H-Q50657F245-0801NA0	989	225-235
80	3000K	H-Q50308F245-0801NA0	871	200-210
	4000K	H-Q50408F245-0801NA0	927	215-225
	5000K	H-Q50508F245-0801NA0	918	215-225
	6500K	H-Q50658F245-0801NA0	890	210-220

Key Features 关键特性

- ▶ NCSP innovative packaging, efficacy up to 245 lm/W
NCSP创新封装, 至高光效245 lm/W
- ▶ Silver-free packaging, 10-year warranty
无银封装, 质保十年
- ▶ Flagship quality, worry-free outdoor high-power lighting
旗舰品质, 无忧户外高功率照明

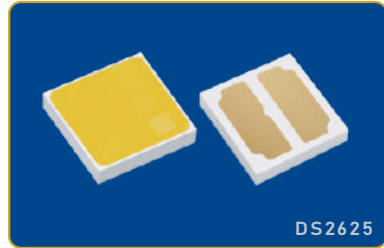
Application 应用



QTen SERIES

QTen 5050-F255

10-Year Warranty Ultra-Efficacy· 5.3mm x 5.3mm NCSP
10年质保高光效· 5.3mm x 5.3mm NCSP



253

Lm/W
Max Efficacy @1W

6.0

W
Max Power

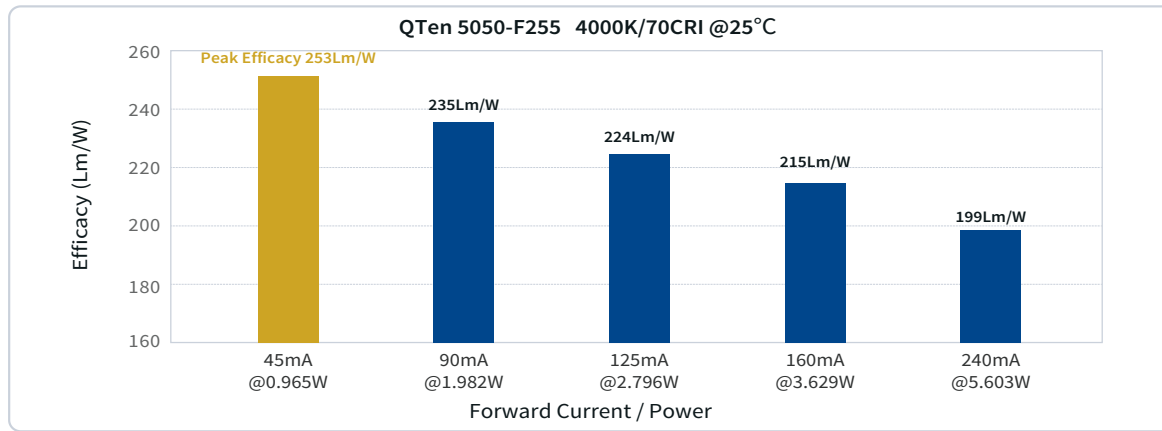
240

mA
Max Current

22.0

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF45mA - 240mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)240mA	Efficacy(Lm/W)45mA
70	3000K	H-Q50307F255-0801NA0	1046	235-245
	4000K	H-Q50407F255-0801NA0	1113	250-260
	5000K	H-Q50507F255-0801NA0	1101	250-260
	6500K	H-Q50657F255-0801NA0	1068	235-245
80	3000K	H-Q50308F255-0801NA0	941	210-220
	4000K	H-Q50408F255-0801NA0	1001	225-235
	5000K	H-Q50508F255-0801NA0	991	225-235
	6500K	H-Q50658F255-0801NA0	961	215-225

Key Features 关键特性

- ▶ NCSP innovative packaging, efficacy up to 253 lm/W
NCSP创新封装, 至高光效253 lm/W
- ▶ Silver-free packaging, 10-year warranty
无银封装, 质保十年
- ▶ Flagship quality, worry-free outdoor high-power lighting
旗舰品质, 无忧户外高功率照明

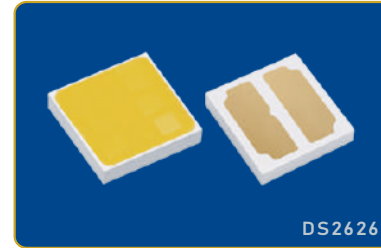
Application 应用



QTen SERIES

QTen 5050-F270

10-Year Warranty Ultra-Efficacy· 5.3mm x 5.3mm NCSP
10年质保高光效· 5.3mm x 5.3mm NCSP



269

Lm/W
Max Efficacy @1W

6.0

W
Max Power

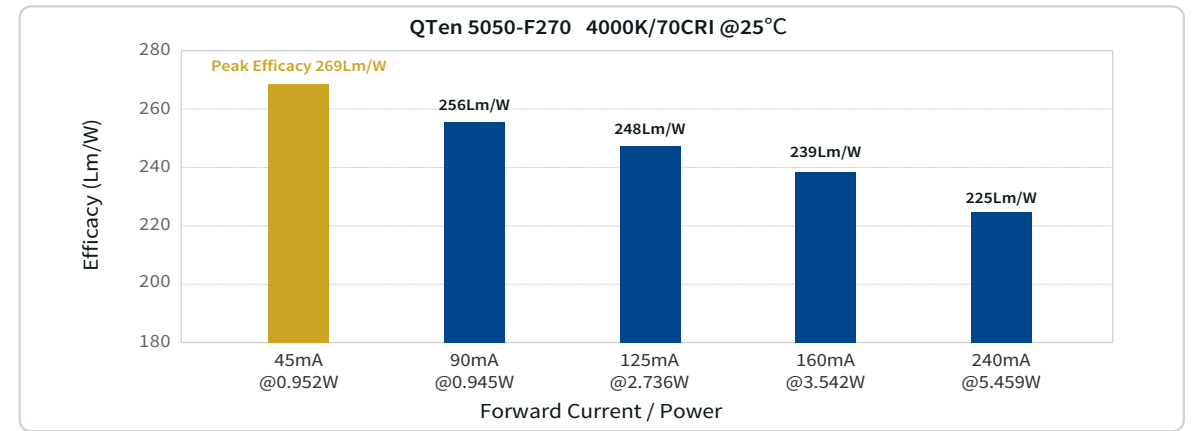
240

mA
Max Current

22.0

V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF45mA - 240mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)240mA	Efficacy(Lm/W)45mA
70	3000K	H-Q50307F270-0801NA0	1156	250-260
	4000K	H-Q50407F270-0801NA0	1230	265-275
	5000K	H-Q50507F270-0801NA0	1217	265-275
	6500K	H-Q50657F270-0801NA0	1180	250-260
80	3000K	H-Q50308F270-0801NA0	1040	220-230
	4000K	H-Q50408F270-0801NA0	1107	240-250
	5000K	H-Q50508F270-0801NA0	1095	240-250
	6500K	H-Q50658F270-0801NA0	1062	230-240

Key Features 关键特性

- ▶ NCSP innovative packaging, efficacy up to 269 lm/W
NCSP创新封装, 至高光效269 lm/W
- ▶ Silver-free packaging, 10-year warranty
无银封装, 质保十年
- ▶ Flagship quality, worry-free outdoor high-power lighting
旗舰品质, 无忧户外高功率照明

Application 应用





ESUB SERIES

E
FLAGSHIP
旗舰

ESub Series - Eutectic Substrate Flagship

精英共晶基底超高光效系列

◆ Technology flagship . System efficacy 250+ lm/W 技术旗舰 · 共晶基底

Higntek's technology flagship, using eutectic substrate bonding to eliminate the thermal bottleneck of conventional die-attach adhesive. Eutectic technology delivers ultra-low thermal resistance and exceptional current capacity, pushing efficacy beyond current limits. Custom solutions available.

ESub 系列是Higntek LED的技术旗舰，采用共晶(Eutectic)基底封装工艺，从根本上解决了传统固晶胶的热阻瓶颈。共晶技术带来极低的热阻和超高的电流承载能力，光效潜力突破现有上限。该系列为定制方案，可根据客户对色温精度、光效等级和驱动条件的具体需求进行深度定制。

- Eutectic bonding, thermal resistance reduced to 1/3 of conventional
 - Efficacy potential breaks existing limits, deep customization
 - Ultra-high current capacity, industry-leading thermal performance
- 共晶基底键合，热阻降至传统方案的1/3
 - 光效潜力突破现有上限，定制化深度开发
 - 超高电流承载能力，散热性能业界领先

KEY MODELES 代表型号 E5050-P250M

SYSTEM EFFICACY
整灯光效

250+
LM/W

EFFICACY
光效

275
LM/W

◆ CUSTOM SOLUTION 定制方案

Eutectic substrate solutions can be precisely customized for CCT accuracy, efficacy levels, and driving conditions · Contact sales for detailed specs.
共晶基底方案可根据色温精度、光效等级与驱动条件深度定制 · 详询销售团队

- ◆ APPLICATION 应用
- Floodlight 投光灯
- Tunnel 隧道灯
- Streetlight 路灯
- High Bay 工矿灯

PLUS SERIES

ESub 5050-P250M

Eutectic Substrate Flagship
精英共晶基底超高光效

271
Lm/W
ULTIMATE



DS2645

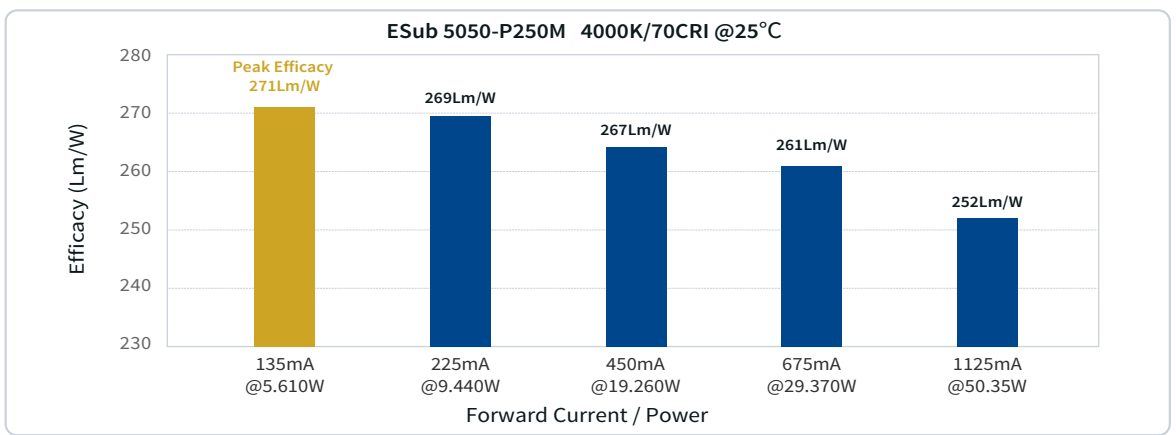
271
Lm/W
Max Efficacy @5W

100.0
W
Max Power

2000
mA
Max Current

42.0
V
Typ.Forward Voltage

Efficacy vs Current 光效 VS 电流 (IF 135mA - 1125mA)



Product Selectoin Guide 产品选型导览 (Ta=25°C)

CRI	CCT	Product Code	Luminos(LM)675mA	Efficacy(Lm/W)135mA
70	3000K	H-E50307P250-0801000	7212	250-260
	4000K	H-E50407P250-0801000	7672	265-275
	5000K	H-E50507P250-0801000	7596	235-275
	6500K	H-E50657P250-0801000	7365	250-260
80	3000K	H-E50308P250-0801000	6491	220-230
	4000K	H-E50408P250-0801000	6905	240-250
	5000K	H-E50508P250-0801000	6836	240-250
	6500K	H-E50658P250-0801000	6629	230-240

◆ Key Features 关键特性

- ▶ Whole-lamp efficacy up to 251 lm/W with superior overall cost advantage
整灯光效至高 251 lm/W，综合成本优势明显
- ▶ Silver-free package, guaranteed L92 over 5 years, 10-year warranty
0 含银封装，5 年 L92 光衰可确保，质保十年

◆ Application 应用

Street

Stadium

High Bay

Floodlight

Downlight

ESUB SERIES

Voltage-Based Selection

SELECT BY PACKAGE SIZE X FORWARD VOLTAGE

按封装和电压选型

3V	6V	9V	18V	24V
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Voltage X Chip Size Matrix 电压 x 灯珠尺寸矩阵

Voltage	2835	3030	3535	5050
3V	R2835-A225F/A235 225-240	—	C3535-A215 210-220	—
	R2835-A230F/A235F 230-245		C3535-A230/A240 225-245	
	M2835-A250/A250F 250-275			
6V	R2835-B230F/B240F 230-250 M2835-B250/B250F 250-275	R3030-B190/B215/B230 185-235	—	M5050-B245 240-250
		P3030-B200/B215/B235 195-235		U5050-B255/B265 245-265
		U3030-B245 235-245		Q5050-B245/B255/B270 240-275
		Q3030-B255/B270 250-275		
9V	R2835-C230F/C240F 230-250 M2835-C250/C250F 250-275	—	—	—
18V	R2835-E235F 235-245 M2835-E250F 250-260	—	—	—
24V	—	—	—	P5050-F225-F235-F245 220-250
				M5050-F250-F260 245-265
				U5050-F255-F265-F255B 200-270
				Q5050-F245-F255-F270 240-275

48V	E5050-P250M 265-275
Custom	Customized package size, voltage can be varied according to the number, size, and number of chips

Efficacy-Based Selection

SELECT BY LUMINOUS EFFICACY X RANGE - 190 TO 275L/W

按光效选型 - 190到275lm/w

190-210 Lm/W · Standard	211-235 Lm/W · Ehance	236-250 Lm/W · Premium	251-275 Lm/W · Ultimate
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Efficacy Range X Chip Size Matrix 光效范围 x 灯珠尺寸矩阵

Efficacy	2835	3030	3535	5050
190-210 Standard · Value	—	R3030-B190 185-195	—	U5050-F255B 1% 200-210
		P3030-B200 195-205		
211-235 Ehance · Mainstream	R2835-A235 230-240	R3030-B215 210-220	C3535-A215 225-235 C3535-A240 235-245	P5050-F225 220-230
	R2835-A225F 225-235	R3030-B230 225-235		P5050-F235 230-240
	R2835-B235F 235-245	P3030-B215 210-220		U5050-F255B 7% 225-235
	R2835-B230F 230-240	P3030-B235 225-235		
	R2835-C230F 230-240			
236-250 Premium · High Eff	R2835-A235F 235-245	U3535-B245 235-245	C3535-A240 235-245	P5050-F245 240-250
	R2835-B240F 240-250			M5050-B245 240-250
	R2835-C230F 240-250			M5050-F250 245-255
	R2835-E235F 235-245			U5050-B255 245-255
251-275 Premium · High Eff	M2835-A250 265-275	Q3030-B255 250-260 Q3030-B270 265-275	—	U5050-F255 245-255
	M2835-B250 265-275			Q5050-B245 240-250
	M2835-C250 265-275			Q5050-F245 240-250
	M2835-A250F 250-260			M5050-F260 255-265
	M2835-B250F 250-260			U5050-B265 255-265
	M2835-C250F 250-260			U5050-F265 260-270
	M2835-E250F 250-260			Q5050-B255 250-260
				Q5050-F255 250-260
				Q5050-B270 265-275
				Q5050-F275 265-275