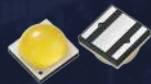


LED Product Selection Guide

Ultimate Efficacy Only from **HIGNTEK**

7 Series · 47 Models · Full-Scenario Coverage

极致光效 · 必有 Hightek · 七大系列 47 款型号全场景覆盖



7

SERIES
产品系列

47

MODELS
产品型号

275

LM/W MAX
最高光效

10yr

WARRANTY
质保年限

Same Wattage · Double Brightness

同等功率 · 双倍亮度

From Baseline to Flagship

从基准到旗舰 · 七大系列精准覆盖

Higntek LED product line spans seven distinct series, engineered to cover every lighting scenario from cost-sensitive general illumination to high-reliability outdoor and eutectic-substrate flagship applications. Each series delivers a unique balance of efficacy, thermal performance, and price positioning.

Higntek LED 产品线涵盖七大系列，覆盖从成本敏感的通用照明到高可靠户外及共晶旗舰的每一个应用场景。每个系列在光效、热性能与价格定位上各具特色。

R Reg 常规基准 185–250 lm/W 12 Models	P Plus 升级系列 195–250 lm/W 6 Models	C CLux 陶瓷高光效 210–245 lm/W 3 Models	M Max 小电流极致 240–275 lm/W 10 Models	U Ultra 大电流超高 235–270 lm/W 7 Models	Q QTen 10年质保 230–280 lm/W 8 Models	E ESub 共晶旗舰 250+ sys lm/W 1 Custom
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BY SCENARIO 按场景 Indoor / Outdoor / Industrial / Street / Tunnel / Stadium 室内 / 户外 / 工业 / 路灯 / 隧道 / 体育场馆

BY PACKAGE 按封装 2835 / 3030 / 3535 / 5050 四种封装尺寸 · 覆盖中小功率到大功率
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BY FEATURE 按特性 Low-Blue / No-Silver / NCSP / Ceramic / Eutectic 低蓝光 / 无银抗硫 / NCSP / 陶瓷 / 共晶

BASELINE · 常规高光效基准系列

Reg Series · Stable benchmark under standard drive

R

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

Reg 系列是 Hightek 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 两大封装平台，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。

KEY MODELS · 代表型号

R3030-B190 · R3030-B230

R2835-A225 · R2835-B240F

► Dual 3030 & 2835 packages, full model range 3030 与 2835 双封装，型号齐全

► PPA / PCT substrate, most cost-effective PPA / PCT 支架，成本最优

► Efficacy 185–250 lm/W, meets mainstream lighting standards 光效 185–250 lm/W

► Multiple VF options (3V / 6V / 9V / 18V) 多种正向电压可选

MODEL 型号	PART NO. 料号	VF 电压	IF 电流	P _{MAX} 最大功率	EFFICACY 光效 lm/W	CRI 显色	PKG 封装	COLOR 色系	SDCM 色容差	FEATURE 特性	DS NO. 规格书
Reg 2835-A235	H-R28XXA235-0101AB0	3V	20mA	0.5W	230-240	RA80	2835	E0	≤5	Soft strip low-current 软灯条小电流	DS2647
Reg 2835-A225F	H-R28XXA225-0102TBF	3V	60mA	1.0W	225-235	RA80	2835	E0	≤5	Standard cost-effective 标准性价比	DS2630
Reg 2835-A230F	H-R28XXA230-0102TBF	3V	60mA	1.0W	230-240	RA80	2835	E0	≤5	High-efficacy mainstream 高光效主流	DS2646
Reg 2835-A235F	H-R28XXA235-0103TBF	3V	60mA	1.0W	235-245	RA80	2835	E0	≤5	Best-value high-efficacy 高性价比高光效	DS2631
Reg 2835-B230F	H-R28XXB230-0103TBF	6V	30mA	1.0W	230-240	RA80	2835	E0	≤5	6V mainstream indoor 6V室内主流	DS2632
Reg 2835-B240F	H-R28XXB240-0201TBF	6V	30mA	1.0W	240-250	RA80	2835	E0	≤5	6V high-efficacy indoor 6V高光效室内	DS2633
Reg 2835-C230F	H-R28XXC230-0301TBF	9V	20mA	1.0W	230-240	RA80	2835	E0	≤5	9V cost-effective 9V性价比	DS2634
Reg 2835-C240F	H-R28XXC240-0301TBF	9V	20mA	1.0W	240-250	RA80	2835	E0	≤5	9V high-efficacy 9V高光效	DS2635
Reg 2835-E235F	H-R28XXE235-0201TBF	18V	12mA	1.0W	235-245	RA80	2835	E0	≤5	18V cost-effective 18V性价比	DS2636
Reg 3030-B190	H-R30XXB190-0201TB0	6V	150mA	1.2W	185-195	RA70	3030	G0	≤5	Outdoor mainstream 户外主流	DS2601
Reg 3030-B215	H-R30XXB215-0202TB0	6V	150mA	1.2W	210-220	RA70	3030	H0	≤9	High-efficacy outdoor 高光效户外	DS2603
Reg 3030-B230	H-R30XXB230-0202TB0	6V	150mA	1.2W	225-235	RA70	3030	H0	≤9	Cost-performance outdoor 高性价比户外	DS2604

UPGRADE · 升级性价比高光效系列

Plus Series · Higher brightness at lower cost

P

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 245 lm/W。

KEY MODELS · 代表型号

P3030-B235 · P5050-F245

▸ 3030 up to 235 lm/W, 10–15% upgrade over Reg 较 Reg 升级 10–15%

▸ EMC substrate, longer life, lower decay EMC 支架，寿命更长、衰减更低

▸ 5050-F245 at 245 lm/W — value benchmark 5050-F245 大功率 245 lm/W，性价比标杆

▸ Mid-power 3030 & 5050 dual packages 中功率 3030 与 5050 双封装

MODEL 型号	PART NO. 料号	VF 电压	IF 电流	P _{MAX} 最大功率	EFFICACY 光效 lm/W	CRI 显色	PKG 封装	COLOR 色系	SDCM 色容差	FEATURE 特性	DS NO. 规格书
Plus 3030-B200	H-P30XXB200-0201EB0	6V	150mA	1.5W	195-205	RA70	3030	G0	≤5	High-reliability outdoor 高可靠户外	DS2605
Plus 3030-B215	H-P30XXB215-0202EB0	6V	150mA	1.5W	210-220	RA70	3030	G0	≤5	High-reliability high-efficacy 高可靠高光效	DS2606
Plus 3030-B235	H-P30XXB235-0202EB0	6V	150mA	2.0W	225-235	RA70	3030	G0	≤5	Premium outdoor project 高端户外项目	DS2607
Plus 5050-F225	H-P50XXF225-0801EA0	24V	45mA	4.0W	220-230	RA70	5050	G0	≤5	Cost-performance 5050 性价比5050	DS2609
Plus 5050-F235	H-P50XXF235-0801EA0	24V	45mA	4.0W	230-240	RA70	5050	G0	≤5	High-efficacy 5050 backup 高光效5050备选	DS2610
Plus 5050-F245	H-P50XXF245-0801EA0	24V	45mA	4.0W	240-250	RA70	5050	G0	≤5	High-efficacy 5050 value 高光效5050高性价比	DS2611

PEAK EFFICACY · 小电流极致光效系列

Max Series · Low-current drive · 240–275 lm/W

M

Engineered for low-current drive scenarios, achieving 250–275 lm/W under low power. 2835 and 5050 packages let designers achieve higher brightness with less energy — perfect for commercial, emergency, and backlight 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。2835 和 5050 双封装覆盖，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。

KEY MODELS · 代表型号

M2835-A250 · M5050-F250
M2835-C250F

- ▶ RA80+ at low current 250–260 lm/W, industry-leading RA80+ 小电流下 250–260 lm/W，业界领先
- ▶ 5050 & 2835 dual packages for power-sensitive apps 5050 与 2835 双封装，功耗敏感场景全覆盖

- ▶ Same wattage, double brightness — ultimate energy-saving 同样的电费，两倍的亮度
- ▶ PCT substrate, excellent lumen maintenance at low current PCT 支架，小电流下光衰控制出色

MODEL 型号	PART NO. 料号	VF 电压	IF 电流	P _{MAX} 最大功率	EFFICACY 光效 lm/W	CRI 显色	PKG 封装	COLOR 色系	SDCM 色容差	FEATURE 特性	DS NO. 规格书
Max 2835-A250	H-M28XXXA250-0103TB0	3V	60mA	1.0W	265-275	RA70	3036	E0	≤5	Outdoor 2835 premium 户外2835高端	DS2642
Max 2835-B250	H-M28XXXB250-0202TB0	6V	30mA	1.0W	265-275	RA70	3036	E0	≤5	6V outdoor premium 6V户外高端	DS2643
Max 2835-C250	H-M28XXXC250-0301TB0	9V	20mA	1.0W	265-275	RA70	3036	E0	≤5	9V outdoor premium 9V户外高端	DS2644
Max 2835-A250F	H-M28XXXA250-0103TBF	3V	60mA	1.0W	250-260	RA80	3036	E0	≤5	Indoor RA80 ultimate 室内RA80极致	DS2602
Max 2835-B250F	H-M28XXXB250-0202TBF	6V	30mA	1.0W	250-260	RA80	3036	E0	≤5	6V indoor premium 6V室内高端	DS2637
Max 2835-C250F	H-M28XXXC250-0301TBF	9V	20mA	1.0W	250-260	RA80	3036	E0	≤5	9V indoor main push 9V室内主推	DS2638
Max 2835-E250F	H-M28XXXE250-0202TBF	18V	12mA	1.0W	250-260	RA80	3036	E0	≤5	18V indoor main push 18V室内主推	DS2639
Max 5050-B245	H-M50XXXB245-0206EA0	6V	160mA	6.0W	240-250	RA70	5353	G0	≤5	Overseas 5050 premium 海外5050高端	DS2612
Max 5050-F250	H-M50XXXF250-0204EA0	24V	45mA	6.0W	245-255	RA70	5353	G0	≤5	Domestic 5050 premium 国产5050高端	DS2613
Max 5050-F260	H-M50XXXF260-0204EA0	24V	160mA	6.0W	255-265	RA70	5353	H0	≤9	High-current 5050 大电流5050	DS2614

ULTRA-HIGH · 大电流超高光效系列

Ultra Series · High-current drive · 235–270 lm/W

U

Targets high-current drive, maintaining 245–270 lm/W under high power. 3030 and 5050 packages support high-power needs; an ultra-low blue light option (F255B 1% / 7%) 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 245–270 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% / 7%），满足高端户外 RG0 标准和极致护眼的严苛要求。

KEY MODELS · 代表型号

U3030-B245 · U5050-F255B
U5050-F265 · U5050-B265

- High-current 245–270 lm/W, power & efficiency breakthrough 大电流驱动 245–270 lm/W，功率与效率双突破
- 3030 & 5050 full range, all-scenario high-power coverage 3030 与 5050 封装齐全，大功率全场景
- Ultra-low blue 1% / 7% for premium health lighting 超低蓝光 1% / 7%，高端健康照明定制
- EMC substrate, stable efficacy under high current EMC 支架，高电流下光效稳定

MODEL 型号	PART NO. 料号	VF 电压	IF 电流	P _{MAX} 最大功率	EFFICACY 光效 lm/W	CRI 显色	PKG 封装	COLOR 色系	SDCM 色容差	FEATURE 特性	DS NO. 规格书
Ultra 3030-B245	H-U30XXXB245-0202EA0	6V	150mA	3.0W	235-245	RA70	3434	G0	≤5	High-current 3030 project 大电流3030项目	DS2608
Ultra 5050-B255	H-U50XXXB255-0208EA0	6V	160mA	6.0W	245-255	RA70	5353	G0	≤5	Overseas 5050 high-current 海外5050大电流	DS2615
Ultra 5050-B265	H-U50XXXB265-0208EA0	6V	160mA	6.0W	255-265	RA70	5353	H0	≤9	Premium client 5050 高端客户5050	DS2616
Ultra 5050-F255	H-U50XXXF255-0802EA0	24V	45mA	6.0W	245-255	RA70	5353	G0	≤5	Domestic 5050 high-current 国产5050大电流	DS2617
Ultra 5050-F265	H-U50XXXF265-0802EA0	24V	45mA	6.0W	260-270	RA70	5353	H0	≤9	Premium client 5050-F 高端客户5050-F	DS2618
Ultra 5050-F255B 1%	H-U50XXXF255-0802EA1	24V	45mA	6.0W	200-210	RA70	5353	—	≤9	Ultra-low blue 1% 超低蓝光1%	DS2640
Ultra 5050-F255B 7%	H-U50XXXF255-0802EA7	24V	45mA	6.0W	225-235	RA70	5353	—	≤9	Ultra-low blue 7% 超低蓝光7%	DS2641

10-YEAR WARRANTY · 10年超长质保系列

QTen Series · 10-yr warranty · 230–280 lm/W

Q

Delivers a 10-year warranty with 230–280 lm/W ultra-high efficacy for long-term critical lighting. 3030 and 5050 packages with EMC / NCSP substrates ensure 10-year lumen maintenance within industry standards — ideal for tunnel, street, and factory lighting.

QTen 系列以 10 年超长质保为核心承诺，结合 230–280 lm/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，EMC/NCSP 支架确保 10 年光衰不超过行业标准，完美适配隧道灯、路灯、厂房照明等长周期运营场景。



KEY MODELS · 代表型号

Q3030-B255 · Q5050-F270
Q5050-B275

- ▶ 10-year warranty; industry-first silver-free package 10 年超长质保；业界创新无银封装
- ▶ NCSP substrate, sulfurization-resistant NCSP 支架，无惧硫化

- ▶ Efficacy 230–280 lm/W, industry-leading brightness 光效 230–280 lm/W，同等功耗亮度领先
- ▶ Top choice for tunnel / street / factory lighting 隧道灯 / 路灯 / 厂房照明首选

MODEL 型号	PART NO. 料号	VF 电压	IF 电流	P _{MAX} 最大功率	EFFICACY 光效 lm/W	CRI 显色	PKG 封装	COLOR 色系	SDCM 色容差	FEATURE 特性	DS NO. 规格书
QTen 3030-B255	H-Q30XXXB255-0201NB0	6V	30mA	1.5W	250-260	RA70	3030	G0	≤5	Selective client push 精选客户主推	DS2619
QTen 3030-B270	H-Q30XXXB275-0201NB0	6V	30mA	1.5W	265-275	RA70	3030	G0	≤5	Overseas strong push 海外强力主推	DS2620
QTen 5050-B245	H-Q50XXXB245-0204NA0	6V	160mA	6W	230-240	RA70	5050	G0	≤5	Overseas mainstream 海外主流	DS2621
QTen 5050-B255	H-Q50XXXB255-0205NA0	6V	160mA	6W	250-260	RA70	5353	G0	≤5	Overseas high-efficacy 海外高光效	DS2622
QTen 5050-B270	H-Q50XXXB270-0204NA0	6V	160mA	16W	265-275	RA70	5353	G0	≤5	Premium client 5050 高端客户5050	DS2623
QTen 5050-F245	H-Q50XXXF245-0801NA0	24V	45mA	6W	240-250	RA70	5353	G0	≤5	Domestic selective 国产精选	DS2624
QTen 5050-F255	H-Q50XXXF255-0801NA0	24V	45mA	6W	250-260	RA70	5353	G0	≤5	Domestic selective 国产精选	DS2625
QTen 5050-F270	H-Q50XXXF270-0801NA0	24V	45mA	6W	265-275	RA70	5353	G0	≤5	Premium client project 高端客户项目	DS2626

CERAMIC · 陶瓷高光效卓越系列

CLux Series · Ceramic substrate · 210–245 lm/W

C

Features a ceramic substrate (Al_2O_3 / AlN) with lower thermal resistance and higher efficacy ceiling than PPA / PCT / EMC. The 3535 platform sustains 210–245 lm/W under high-power drive — ideal for outdoor and industrial lighting where thermal performance is critical.

CLux 系列采用陶瓷 (Ceramic) 封装基板, 相比 PPA/PCT/EMC 方案具有更低的热阻和更高的光效上限。3535 封装平台在大功率驱动下仍可保持 210–245 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。

KEY MODELS · 代表型号

C3535-A215 · C3535-A230
C3535-A240

- ▶ Ceramic substrate, low thermal resistance, minimal decay 陶瓷基板低热阻, 大电流下光衰极低
- ▶ High-temp resistant, long life — outdoor lighting first choice 耐高温长寿命, 户外照明首选方案

- ▶ 3535 package 210–245 lm/W, extreme high-power efficacy 3535 封装 210–245 lm/W, 大功率极致光效
- ▶ Al_2O_3 / AlN options for thermal optimization Al_2O_3 / AlN 双基板可选

MODEL 型号	PART NO. 料号	VF 电压	IF 电流	P _{MAX} 最大功率	EFFICACY 光效 lm/W	CRI 显色	PKG 封装	COLOR 色系	SDCM 色容差	FEATURE 特性	DS NO. 规格书
CLux 3535-A215	H-C35XXXA215-0101CA0	3V	350mA	5W	210-220	RA70	3535	G0	≤5	Cost-effective ceramic 性价比陶瓷	DS2627
CLux 3535-A230	H-C35XXXA230-0101CB0	3V	350mA	6W	225-235	RA70	3535	G0	≤5	High thermal stability 高热稳定性	DS2628
CLux 3535-A240	H-C35XXXA240-0101CB0	3V	350mA	6W	235-245	RA70	3535	G0	≤5	Ultimate efficacy 极致光效	DS2629

FLAGSHIP · 精英共晶基底超高光效系列

ESub Series · Technology flagship · System efficacy 250+ lm/W

E

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

ESub 系列是 Hightek 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。共晶键合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。

CUSTOM SOLUTION · 定制方案

E5050-P250M

- ▶ Eutectic bonding, thermal R reduced to 1/3 共晶键合，热阻降至传统 1/3
- ▶ Ultra-high current capacity, industry-leading thermal 超高电流承载，散热业界领先
- ▶ Efficacy potential breaks existing limits 光效潜力突破现有上限
- ▶ Deep customization by CCT / efficacy / drive 按色温/光效/驱动深度定制

MODEL 型号	PART NO. 料号	PKG 封装	COLOR 色系	SDCM 色容差	PMAX 最大功率	TECHNOLOGY 工艺	APPLICATION 应用	DS NO. 规格书
ESub 5050-P250M	H-E50XXXP250-0801000	5050	—	≤5	100W	Eutectic bonding, 1/3 thermal R 共 晶键合热阻降至1/3	Custom premium project 定制高端 项目	DS2645

SYSTEM EFFICACY

整灯光效

250+

lm/W

APPLICATION SCENARIOS · 典型应用

- High-power stadium & sports lighting · 大功率体育场馆照明
- Industrial high-bay & warehouse lighting · 工业高棚灯与仓储照明
- Architectural facade & tower illumination · 建筑立面与塔楼泛光照明
- Premium horticulture & UV-curing systems · 高端植物照明与UV固化系统

THERMAL R · 热阻

1/3 of conventional

CUSTOMIZATION · 定制

Tailored to your CCT precision, and drive conditions.
按客户色温精度、光效等级、驱动条件深度定制。

Compact Mid-Power Packages — 2835

紧凑型中小功率封装 · 室内与通用照明主力

2835 2.8 × 3.5 mm Mid-Power LED
通用中小功率 · 室内/灯管/面板灯首选

16 Models · 覆盖 Reg / Max 系列

Series 系列	Model 型号	VF 电压	IF 电流	Pmax 最大功率	Efficacy 光效	CRI 显色	Color 色系	SDCM 色容差	Positioning 定位	DS NO. 规格书
Reg	Reg 2835-A235	3V	20mA	0.5W	230-240	RA80	E0	≤5	Soft strip low-current 软灯条小电流	DS2647
Reg	Reg 2835-A225F	3V	60mA	1.0W	225-235	RA80	E0	≤5	Cost-effective 高性价比	DS2630
Reg	Reg 2835-A230F	3V	60mA	1.0W	230-240	RA80	E0	≤5	Mainstream indoor 室内主流	DS2646
Reg	Reg 2835-A235F	3V	60mA	1.0W	235-245	RA80	E0	≤5	Best value 最优性价比	DS2631
Reg	Reg 2835-B230F	6V	30mA	1.0W	230-240	RA80	E0	≤5	6V indoor 6V室内	DS2632
Reg	Reg 2835-B240F	6V	30mA	1.0W	240-250	RA80	E0	≤5	6V high-efficacy 6V高光效	DS2633
Reg	Reg 2835-C230F	9V	20mA	1.0W	230-240	RA80	E0	≤5	9V cost-effective 9V性价比	DS2634
Reg	Reg 2835-C240F	9V	20mA	1.0W	240-250	RA80	E0	≤5	9V high-efficacy 9V高光效	DS2635
Reg	Reg 2835-E235F	18V	12mA	1.0W	235-245	RA80	E0	≤5	18V cost-effective 18V性价比	DS2636
Max	Max 2835-A250	3V	60mA	1.0W	265-275	RA70	E0	≤5	Outdoor premium 户外高端	DS2642
Max	Max 2835-B250	6V	30mA	1.0W	265-275	RA70	E0	≤5	6V outdoor premium 6V户外高端	DS2643
Max	Max 2835-C250	9V	20mA	1.0W	265-275	RA70	E0	≤5	9V outdoor premium 9V户外高端	DS2644
Max	Max 2835-A250F	3V	60mA	1.0W	250-260	RA80	E0	≤5	Indoor ultimate 室内极致	DS2602
Max	Max 2835-B250F	6V	30mA	1.0W	250-260	RA80	E0	≤5	6V indoor premium 6V室内高端	DS2637
Max	Max 2835-C250F	9V	20mA	1.0W	250-260	RA80	E0	≤5	9V indoor main push 9V室内主推	DS2638
Max	Max 2835-E250F	18V	12mA	1.0W	250-260	RA80	E0	≤5	18V indoor main push 18V室内主推	DS2639

High-Power & Ceramic Packages — 3030 / 3535

大功率与陶瓷封装 · 户外照明与工业照明主力

3030 3.0 × 3.0 mm High-Power LED
大功率户外 · 路灯/隧道灯/工矿灯

9 Models · Reg / Plus / Ultra / QTen

Series 系列	Model 型号	VF 电压	IF 电流	Pmax 最大功率	Efficacy 光效	CRI 显色	Color 色系	SDCM 色容差	Positioning 定位	DS NO. 规格书
Reg	Reg 3030-B190	6V	150mA	1.2W	185-195	RA70	G0	≤5	Outdoor mainstream 户外主流	DS2601
Reg	Reg 3030-B215	6V	150mA	1.2W	210-220	RA70	H0	≤9	High-efficacy outdoor 高光效户外	DS2603
Reg	Reg 3030-B230	6V	150mA	1.2W	225-235	RA70	H0	≤9	Cost-performance outdoor 高性价比户外	DS2604
Plus	Plus 3030-B200	6V	150mA	1.5W	195-205	RA70	G0	≤5	High-reliability outdoor 高可靠户外	DS2605
Plus	Plus 3030-B215	6V	150mA	1.5W	210-220	RA70	G0	≤5	High-reliability high-efficacy 高可靠高光效	DS2606
Plus	Plus 3030-B235	6V	150mA	2.0W	225-235	RA70	G0	≤5	Premium outdoor project 高端户外项目	DS2607
Ultra	Ultra 3030-B245	6V	150mA	3.0W	235-245	RA70	G0	≤5	High-current 3030 project 大电流3030项目	DS2608
QTen	QTen 3030-B255	6V	30mA	1.5W	250-260	RA70	G0	≤5	Selective client 10yr 精选客户10年质保	DS2619
QTen	QTen 3030-B270	6V	30mA	1.5W	265-275	RA70	G0	≤5	Overseas strong push 海外强力主推	DS2620

3535 3.5 × 3.5 mm Ceramic High-Power LED
陶瓷大功率 · 工矿灯/投光灯/舞台灯

3 Models · CLux 系列

Series 系列	Model 型号	VF 电压	IF 电流	Pmax 最大功率	Efficacy 光效	CRI 显色	Color 色系	SDCM 色容差	Positioning 定位	DS 规格书
CLux	CLux 3535-A215	3V	350mA	5.0W	210-220	RA70	G0	≤5	Cost-effective ceramic 性价比陶瓷	DS2627
CLux	CLux 3535-A230	3V	350mA	6.0W	225-235	RA70	G0	≤5	High thermal stability 高热稳定性	DS2628
CLux	CLux 3535-A240	3V	350mA	6.0W	235-245	RA70	G0	≤5	Ultimate efficacy 极致光效	DS2629

Multi-Chip High-Power Package — 5050

多芯片大功率封装 · 旗舰与高光效主力

5050

5.0 × 5.0 mm Multi-Chip High-Power LED
多芯片大功率 · 投光灯/高棚灯/特种照明

19 Models · Plus / Max / Ultra / QTen / ESub

Series 系列	Model 型号	VF 电压	IF 电流	Pmax 最大功率	Efficacy 光效	CRI 显色	Color 色系	SDCM 色容差	Positioning 定位	DS NO. 规格书
Plus	Plus 5050-F225	24V	45mA	4.0W	220-230	RA70	G0	≤5	Cost-performance 高性价比	DS2609
Plus	Plus 5050-F235	24V	45mA	4.0W	230-240	RA70	G0	≤5	High-efficacy backup 高光效备选	DS2610
Plus	Plus 5050-F245	24V	45mA	4.0W	240-250	RA70	G0	≤5	High-efficacy value 高光效高性价比	DS2611
Max	Max 5050-B245	6V	160mA	6.0W	240-250	RA70	G0	≤5	Overseas premium 海外高端	DS2612
Max	Max 5050-F250	24V	45mA	6.0W	245-255	RA70	G0	≤5	Domestic premium 国产高端	DS2613
Max	Max 5050-F260	24V	45mA	6.0W	255-265	RA70	H0	≤9	High-current 5050 大电流5050	DS2614
Ultra	Ultra 5050-B255	6V	160mA	6.0W	245-255	RA70	G0	≤5	Overseas high-current 海外大电流	DS2615
Ultra	Ultra 5050-B265	6V	160mA	6.0W	255-265	RA70	H0	≤9	Premium client 高端客户	DS2616
Ultra	Ultra 5050-F255	24V	45mA	6.0W	245-255	RA70	G0	≤5	Domestic high-current 国产大电流	DS2617
Ultra	Ultra 5050-F265	24V	45mA	6.0W	260-270	RA70	H0	≤9	Premium client 5050-F 高端客户5050-F	DS2618
Ultra	Ultra 5050-F255B 1%	24V	45mA	6.0W	200-210	RA70	—	≤9	Ultra-low blue 1% 超低蓝光1%	DS2640
Ultra	Ultra 5050-F255B 7%	24V	45mA	6.0W	225-235	RA70	—	≤9	Ultra-low blue 7% 超低蓝光7%	DS2641
QTen	QTen 5050-B245	6V	160mA	6.0W	240-250	RA70	G0	≤5	Overseas mainstream 海外主流	DS2621
QTen	QTen 5050-B255	6V	160mA	6.0W	250-260	RA70	G0	≤5	Overseas high-efficacy 海外高光效	DS2622
QTen	QTen 5050-B270	6V	160mA	16.0W	265-275	RA70	G0	≤5	Premium client 高端客户	DS2623
QTen	QTen 5050-F245	24V	45mA	6.0W	240-250	RA70	G0	≤5	Domestic selective 国产精选	DS2624
QTen	QTen 5050-F255	24V	45mA	6.0W	250-260	RA70	G0	≤5	Domestic selective 国产精选	DS2625
QTen	QTen 5050-F270	24V	45mA	6.0W	265-275	RA70	G0	≤5	Premium client project 高端客户项目	DS2626
ESub	ESub 5050-P250M	42V	135mA	100W	265-275	RA70	G0	≤5	Flagship custom 旗舰定制	DS2645

Quick Reference I

快速选型参考 (一) · Package & Application Overview

PACKAGE × SERIES CROSS-REFERENCE 封装系列交叉参考

Package 封装	Size 尺寸	Models 型号数	Series Coverage 系列覆盖	Efficacy 光效 lm/W	Typical Application 典型应用
2835	2.8 × 3.5 mm	16	Reg (9) · Max (7)	185–275	Indoor tubes, panels, soft strips 灯管 / 面板灯 / 软灯条
3030	3.0 × 3.0 mm	9	Reg (3) · Plus (3) · Ultra (1) · QTen (2)	185–280	Street, tunnel, industrial 路灯 / 隧道灯 / 工矿灯
3535	3.5 × 3.5 mm	3	CLux (3)	210–245	High-bay, floodlight, stage 工矿灯 / 投光灯 / 舞台灯
5050	5.0 × 5.0 mm	18	Plus (3) · Max (3) · Ultra (6) · QTen (6)	220–275	High-power flagship, special 大功率旗舰 / 特种照明
Custom	170.0 × 51.0 mm	1	ESub (1)	220–275	High-power flagship, special 大功率旗舰 / 特种照明

COLOR & SDCM LEGEND 色系与色容差说明

E0	MacAdam Ellipse Bin	≤5	Color tolerance less than or equal to 5 steps
G0	ANSI Binning	≤5	Color tolerance less than or equal to 5 steps
H0	ANSI Binning	≤9	Color tolerance less than or equal to 9 steps

Quick Reference II

快速选型参考 (二) · Application Scenario Overview

APPLICATION SCENARIO QUICK MAP 应用场景快查

INDOOR 室内照明	OUTDOOR 户外照明	SPECIAL 特种照明
Tubes · Panels · Downlights · Soft Strips Reg 2835 · Max 2835 (F-series) 灯管 / 面板灯 / 筒灯 / 软灯条 Color: E0 SDCM: ≤5 CRI: RA80 Voltage: 3V-18V	Street · Tunnel · Floodlight · Industrial Reg/Plus/Ultra 3030 · QTen 5050 路灯 / 隧道 / 投光 / 工矿 Color: G0/H0 SDCM: ≤5/≤9 CRI: RA70 Voltage: 6V-24V	Stadium · Horticulture · Low-blue · UV-curing CLux 3535 · Ultra F255B · ESub 5050 体育场馆 / 植物 / 护眼 / UV固化 Color: G0/— SDCM: ≤5/≤9 CRI: RA70 Power: up to 100W

Quick Reference III

快速选型参考 (三) · Series Positioning Summary

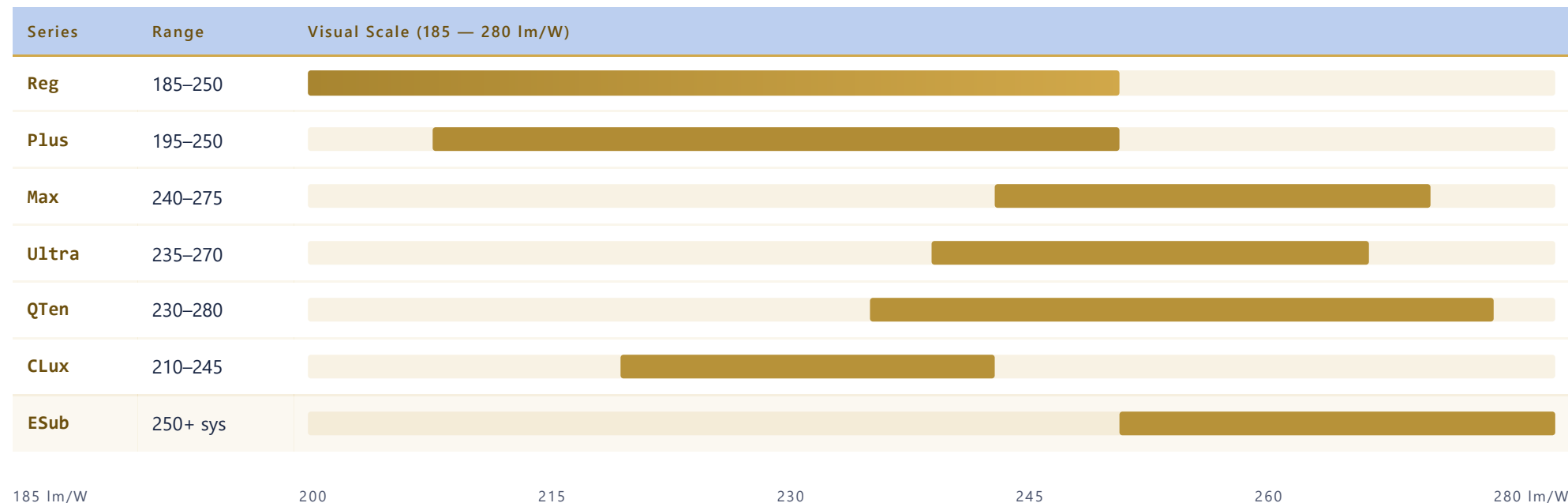
SERIES POSITIONING SUMMARY 系列定位速查

Series 系列	Models 型号数	Efficacy 光效	Key Feature 核心特性	Best For 最佳应用	Color 色系	SDCM 色容差	Highlight Models 代表型号
R	12	185–250	Cost-effective baseline	General lighting, tubes	E0 / G0 / H0	≤5 / ≤9	R3030-B230 · R2835-A225
P	6	195–250	Upgrade value	Mid-power outdoor	G0	≤5	P3030-B235 · P5050-F245
M	10	240–275	Low-current peak	Commercial, backlight	E0 / G0 / H0	≤5 / ≤9	M2835-A250 · M5050-F250
U	7	235–270	High-current ultra	High-power, low-blue	G0 / H0 / —	≤5 / ≤9	U5050-F265 · U5050-B265
Q	8	230–280	10-yr warranty, no-Ag	Tunnel, street, factory	G0	≤5	Q3030-B275 · Q5050-F270
C	3	210–245	Ceramic, low thermal R	Industrial, floodlight	G0	≤5	C3535-A240 · C3535-A230
E	1	250+ sys	Eutectic flagship	Stadium, custom premium	—	≤5	E5050-P250M

Quick Reference IV

快速选型参考（四）· Efficacy Range Comparison

EFFICACY RANGE COMPARISON 光效范围对比



Contact & Support

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