

OUTDOOR LIGHTING SOLUTION

STREET LIGHT - TUNNEL LIGHT - FIELD LIGHT



Outdoor Lighting LED Application



Street Light



Tunnel Light



Airport Light



Field Light



High-pole Light



Wall Washer



High Bay Light



Landscape Light

Our Advantage

Leading performance

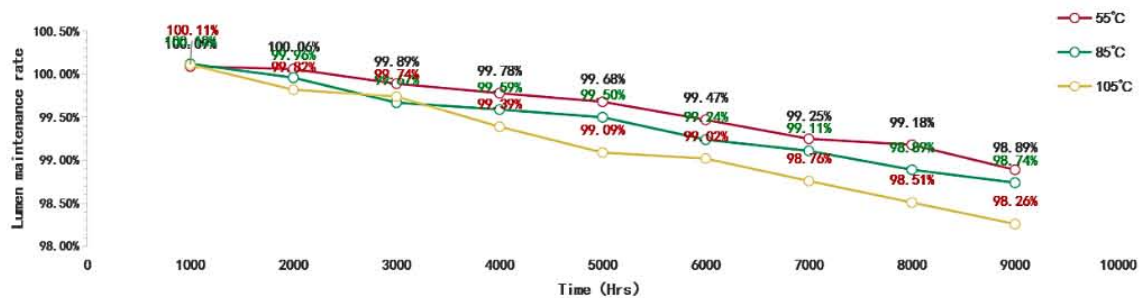
Leading parameters in the outdoor lighting LED industry, with the LED 3030 reaching an impressive 256 lm/w.

Various specification

Can provide different voltage solutions to meet customer needs-high power and high light efficiency.

Quality control

With excellent anti-uv, anti-sulfation properties, certificated with LM-80, commitment to 5-year warranty.



Test Condition 1 - 55°C Case Temp		Test Condition 2 - 85°C Case Temp		Test Condition 3 - 105°C Case Temp	
Sample size	25	Sample size	25	Sample size	25
Number of failures	0	Number of failures	0	Number of failures	0
α	1.774E-06	α	1.789E-06	α	2.212E-06
B	1.005	B	1.003	B	1.003
Reported L90(9k) (hours)	62,000	Reported L90(9k) (hours)	61,000	Reported L90(9k) (hours)	49,000
Reported L70(9k) (hours)	204,000	Reported L70(9k) (hours)	201,000	Reported L70(9k) (hours)	162,000

*Energy Star LM-80 testing standard



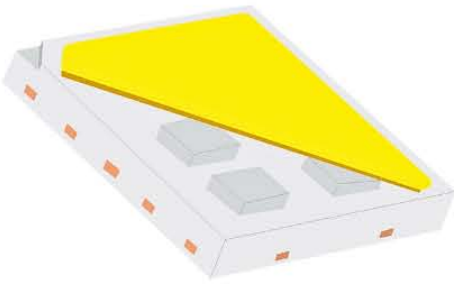
JW MARRIOTT

GLENVIEW

中信銀行
CHINA CITIC BANK

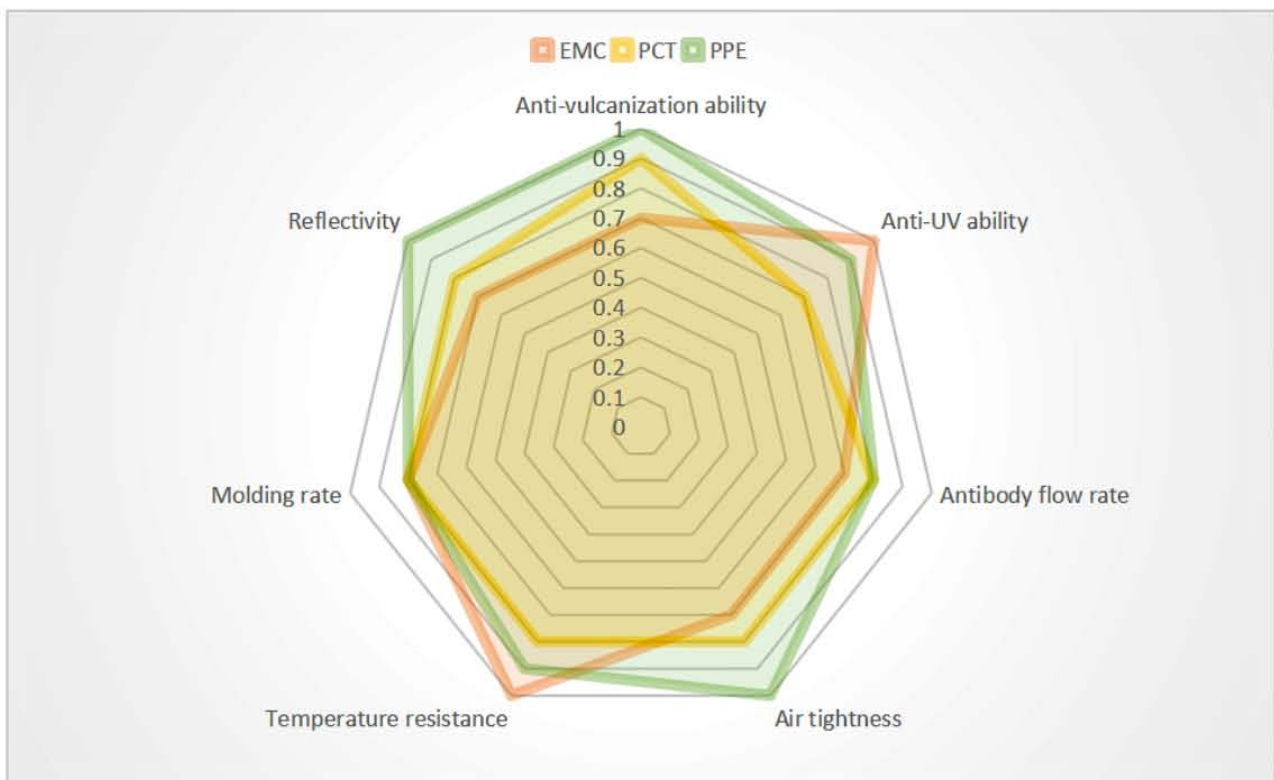
LEESTAR

PPE Technology





Based on PTFE material and PECVD technology, combined with EMC 5050 bracket performance enhancement, the product's brightness is increased by 3% compared to the original design brightness.

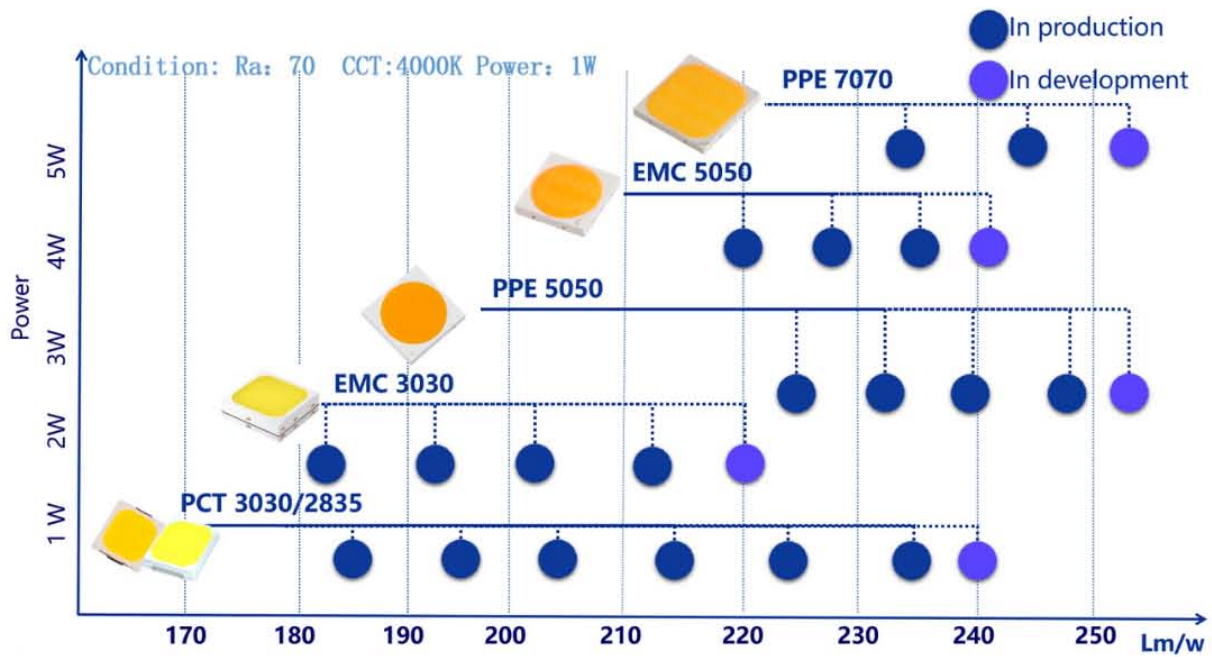
Simultaneously, emphasis has been placed on enhancing airtightness and UV resistance, resulting in a more comprehensive optimization of performance that is better suited for outdoor high-efficiency lighting solutions.



PPE LED Range

		
3030	5050	7070

Product Categorization



🔍 Lumen Rank

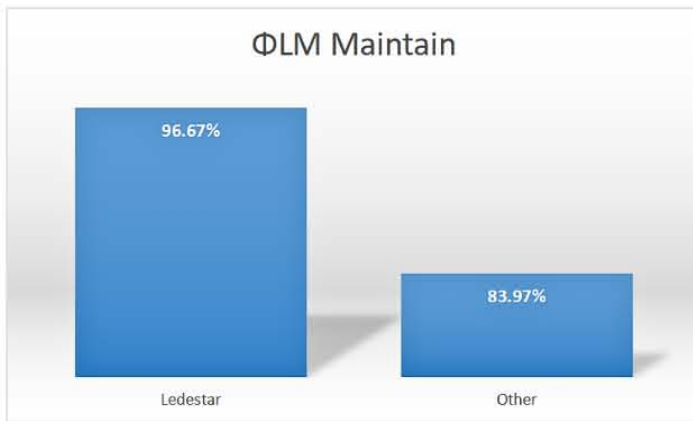
Rank	Lumen	Rank	Lumen	Rank	Lumen
EA	170-180	EK	215-225	EU	260-270
EB	175-185	EL	220-230	EV	265-275
EC	180-190	EM	225-235	EW	270-280
ED	185-195	EN	230-240	EX	275-285
EE	190-200	EP	235-245		
EF	205-210	EQ	240-250		
EG	200-210	ER	245-255		
EH	205-215	ES	250-260		
EJ	210-220	ET	255-265		

🔍 Existing highest lumen LED

Type	Highest	Type	Highest
PCT3030	EP	EMC5050	ER
EMC3030	EL	PPE7070	ET
PPE5050	ES		

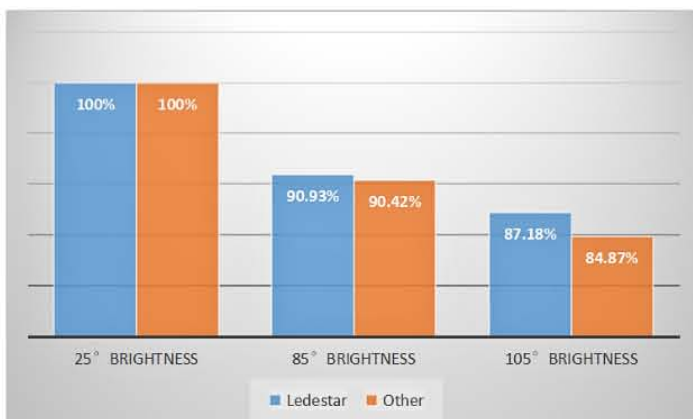
LED Reliable Test

Under the same conditions, we compared the data of Ledestar and other LEDs(5050 same version) in sulfurization and aging tests.



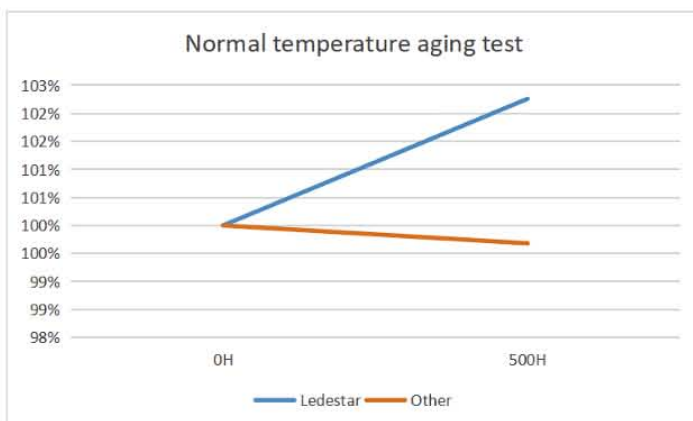
Sulfurization test

Test conditions:
 $T_a=105^{\circ}\text{C}\pm 2^{\circ}\text{C}$, $T=2$ hours, cooling for 10 minutes, sulfur powder weight-to-volume ratio: 1.0g/1000mL.



Hot and cold state test

Hot and cold state testing simulates the changes in luminance maintenance during steady-state usage at the application end.












Aging test

Aging test conducted at a current of 100mA and an ambient temperature of 25°C.

Product Line-Up

Outdoor Lighting LED

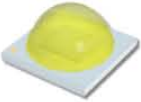
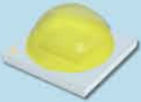
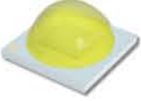






Low power to high power with high lumen efficiency LED

LED		IF(ma)	VF(V)	CCT(K)	Φ(LM)	EFF(Φ)LM/W	Ra
	302B-PCT	150	5.8-6.4	4000 5000 6700	175-185	190-200	70
	302H-PCT	150	5.8-6.4	4000 5000 6700	180-190	200-210	70
	302K-PCT	150	5.8-6.4	4000 5000 6700	185-195	205-215	70
	304B-PCT	150	5.8-6.4	4000 5000 6700	180-190	210-220	70
	304H-PCT	150	5.8-6.4	4000 5000 6700	185-195	220-230	70
	304K-PCT	150	5.8-6.4	4000 5000 6700	190-200	225-235	70
	302K-EMC	150	5.8-6.4	4000 5000 6700	180-190	200-210	70
	304B-EMC	150	5.8-6.4	4000 5000 6700	175-185	200-210	70
	304H-EMC	150	5.8-6.4	4000 5000 6700	185-195	220-230	70

Product Line-Up

Outdoor Lighting LED









Low power to high power with high lumen efficiency LED

LED		IF(ma)	VF(V)	CCT(K)	Φ(LM)	EFF(Φ)LM/W	Ra
	351V	1000	2.8-3.0	6000-7500	300-350	/	80
	351J	350	2.8-3.0	2600-6800	140-200	/	70
	351B	350	2.8-3.0	5500-6500	130-140	/	80
	508H-PPE	45	21-23	4000 5000 6700	235-245	240-250	70
	508K-PPE	45	21-23	4000 5000 6700	240-250	245-255	70
	510H-PPE	35	26-28	4000 5000 6700	230-240	240-250	70
	510K-PPE	35	26-28	4000 5000 6700	235-245	245-255	70
	508H-PPE	45	21-23	4000 5000 6700	235-245	240-250	70
	508K-PPE	45	21-23	4000 5000 6700	240-250	245-255	70

Product Line-Up

Outdoor Lighting LED






Low power to high power with high lumen efficiency LED

LED		IF(ma)	VF(V)	CCT(K)	Φ(LM)	EFF(Φ)LM/W	Ra
	508H-EMC	45	21-23	4000 5000 6700	225-235	230-240	70
	508K-EMC	45	21-23	4000 5000 6700	230-240	235-245	70
	510H-EMC	45	26-28	4000 5000 6700	225-235	235-245	80
	510K-EMC	45	26-28	4000 5000 6700	230-240	240-250	70
	508H-EMC	45	21-23	4000 5000 6700	225-235	230-240	70
	508K-EMC	45	21-23	4000 5000 6700	230-240	235-245	70
	718H-PPE	45	47-49	4000 5000 6700	235-245	245-255	70
	718K-PPE	45	47-49	4000 5000 6700	235-245	250-260	70

Product Line-Up

Outdoor Lighting LED

Low power to mid power with high lumen efficiency LED

LED		IF(ma)	VF(V)	CCT(K)	Φ(LM)	EFF(Φ)LM/W	Ra
	283B-PCT	100	8.4-8.7	4000 5000 6700	160-180	/	80
	283Q-PCT	100	8.7-9.0	4000 5000 6700	130-150	/	80
	302K-PCT	100	8.7-9.3	4000 5000 6700	140-150	/	80
	282H-PCT	65	2.6-2.8	4000 5000 6700	34-37	205-215	80
	283H-PCT	100	8.7-9.0	4000 5000 6700	80-85	205-215	70

About Ledestar

Ledestar's outdoor LED, including the 5050 white and 3030 white LED, have redefined outdoor lighting standards. With outstanding luminous efficacy, these LED provide exceptional brightness while minimizing energy consumption. Ledestar's commitment to quality, durability, and versatility makes their LED lights a top choice for various outdoor applications. By embracing Ledestar's cutting-edge LED technology, we can illuminate our outdoor spaces efficiently, sustainably, and beautifully.



www.ledestar.com