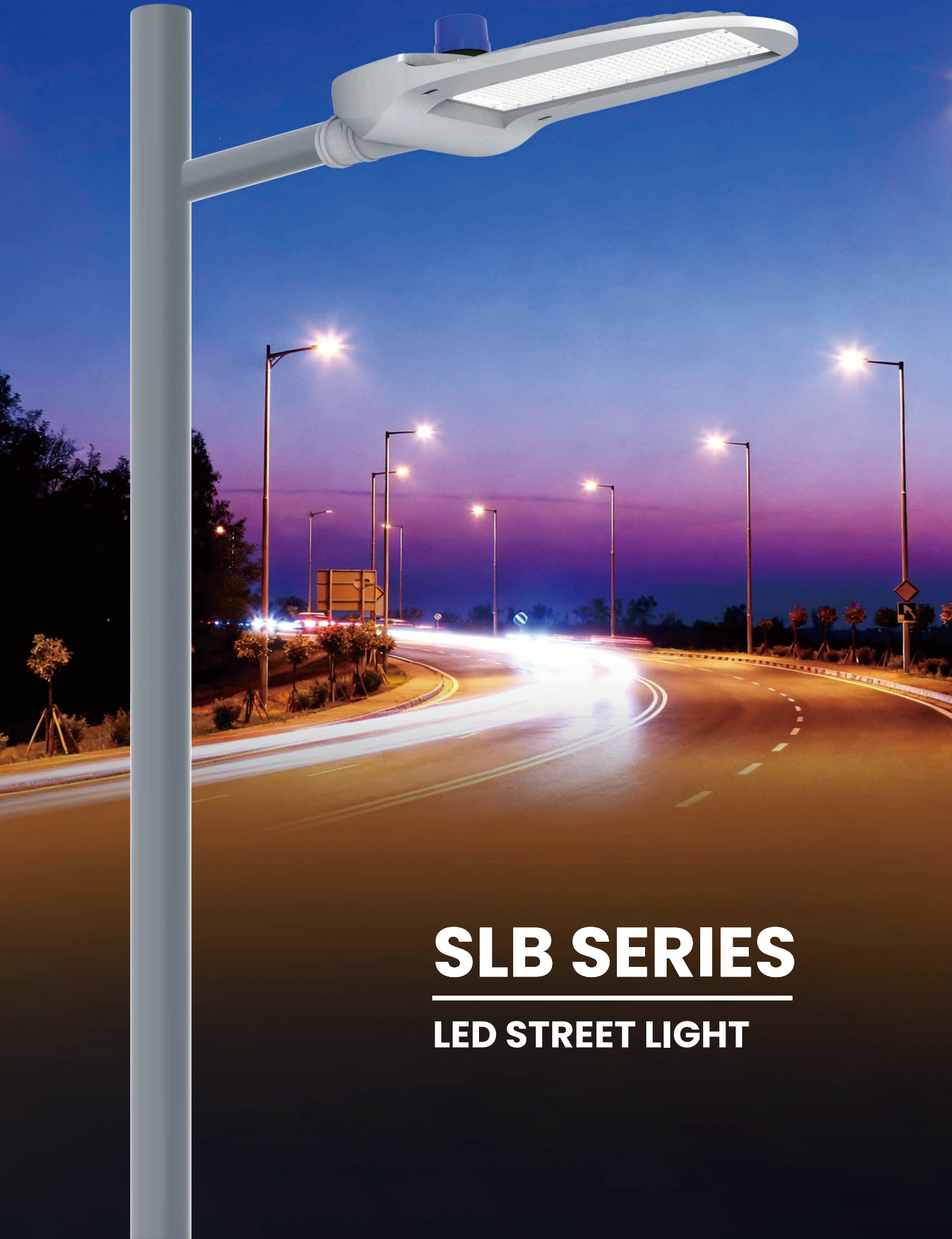




SLB SERIES

LED STREET LIGHT

INTRODUCTION

The FGE-SLB Series LED Street Light is designed to provide efficient, uniform, and reliable illumination for urban streets, residential areas, and parking lots. Utilizing high-performance LED chips and precision optics, it achieves up to 170 lm/W while minimizing glare and light pollution, ensuring both energy savings and visual comfort.

Constructed with a durable die-cast aluminum housing, the SLB offers excellent heat dissipation and corrosion resistance, suitable for long-term outdoor operation. With IP66 and IK08 protection ratings, it delivers stable performance in harsh environments such as rain, dust, and temperature variations.

The SLB series supports various wattages and beam angles, along with 0-10V / DALI dimming, photocell, and smart control options, enabling intelligent energy management. With a 100,000-hour lifetime and 5/7/10-year warranty, it provides a cost-effective and sustainable lighting solution for modern roadway and area applications.

NOM **CE** **RoHS** **IP66**

LM-79 **LM-80** **TM-21** **ISTMT** **IEC**



FEATURES



170lm/W

High Efficacy & Energy Saving: Up to 170 lm/W, reducing energy consumption by over 60% compared with HID fixtures.



0-10V
DIMMABLE

Smart Control Ready: Compatible with 0-10V/DALI dimming, optional microwave/infrared sensor, and emergency kit.



10KV

10KV Surge Protection: Enhanced surge protection ensures long-term reliability and safety.



Type II, III, IV

Various Optical Lens Options: Flexible lens options optimize lighting for diverse environments.



QUICK & EASY

Easy Installation and Maintenance:

Reduce installation time and maintenance labor, effectively lowering overall operational costs.



Dusk to Dawn Photocell Options: Automatic dusk-to-dawn control for energy saving, convenience, and enhanced security.



Intelligent Control System: Smart control for energy-efficient, flexible, and convenient lighting management.



RELIABLE
WARRANTY

Reliable Warranty: 5/7/10 Years Warranty Options.

- Robust Protection:

IP66 waterproof & dustproof, IK08 impact resistance for harsh industrial environments.

- Superior Thermal Management:

Die-cast aluminum housing with optimized heat sink for reliable performance.

- Wide Input Voltage:

AC100-277V, suitable for global power grids.

APPLICATIONS



Outdoor Street Area: Delivers uniform, flicker-free illumination with high color rendering index, paired with a dusk-to-dawn photocell sensor to further maximize energy efficiency.

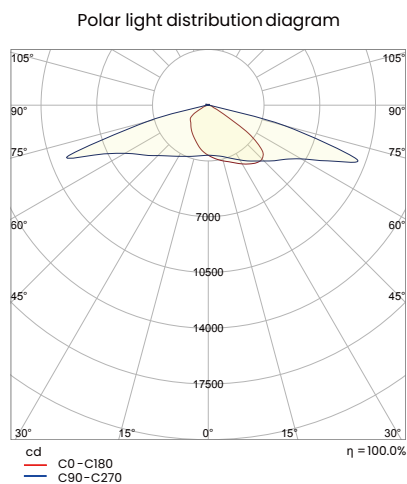


Parking Lots: Delivers consistent, shadow-free light for aisles and parking spaces, the directional light output of LEDs also reduces light pollution and glare, enhancing driver comfort and minimizing disturbance to nearby residents.

TECHNICAL PARAMETERS

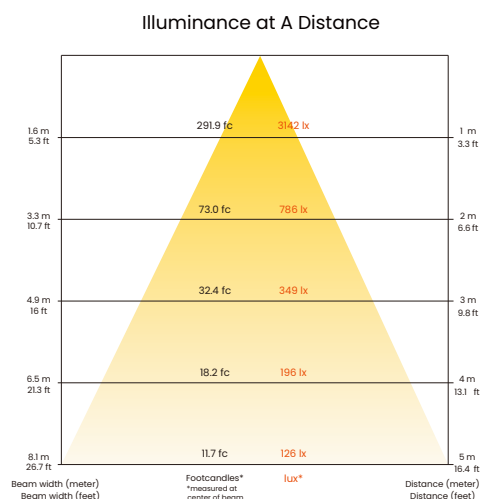
Product Model	SLB-20W/30W	SLB-40W/60W	SLB-80W/100W	SLB-120W/150W	SLB-180W/250W
Electrical Performance					
Wattage	20-30W	40-60W	80-100W	120-150W	180-250W
Input Voltage	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Factor (PF)	>0.95	>0.95	>0.95	>0.95	>0.95
Surge Protection	10KV	10KV	10KV	10KV	10KV
THD	<15%	<15%	<15%	<15%	<15%
Optical Performance					
Luminous Efficacy	170lm/W	170lm/W	170lm/W	150lm/W	150lm/W
Luminous Flux	3400-5100lm	6800-10200lm	13600-17000lm	18000-22500lm	27000-37500lm
CCT	5000K	5000K	5000K	5000K	5000K
CRI	Ra>70	Ra>70	Ra>70	Ra>70	Ra>70
Beam Angle	Type II, Type III, Type IV	Type II, Type III, Type IV	Type II, Type III, Type IV	Type II, Type III, Type IV	Type II, Type III, Type IV
Unified Glare Rating (UGR)	-	-	-	-	-
Reliability					
Lifetime	>100,000h	>100,000h	>100,000h	>100,000h	>100,000h
Operating Temperature	-40 ~ +50°C	-40 ~ +50°C	-40 ~ +50°C	-40 ~ +50°C	-40 ~ +50°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP66	IP66	IP66	IP66	IP66
Impact Resistance	IK08	IK08	IK08	IK08	IK08
Control					
Dimming	0-10V Dimming	0-10V Dimming	0-10V Dimming	0-10V Dimming	0-10V Dimming
Sensor	Dusk to Dawn Photocell	Dusk to Dawn Photocell	Dusk to Dawn Photocell	Dusk to Dawn Photocell	Dusk to Dawn Photocell
Communication Protocol	-	-	-	-	-
Emergency Kit	-	-	-	-	-
Mechanical					
Housing Material	Die-cast Aluminum	Die-cast Aluminum	Die-cast Aluminum	Die-cast Aluminum	Die-cast Aluminum
Lens Material	PC	PC	PC	PC	PC
Coating	Grey RAL9007	Grey RAL9007	Grey RAL9007	Grey RAL9007	Grey RAL9007
Net Weight	0.8kg	1.6kg	2.8kg	4.2kg	6.8kg
Dimensions	362x143x54mm	476x194x74mm	567x233x87mm	673x295x101mm	742x337x114mm
Warranty	5/7/10 Years	5/7/10 Years	5/7/10 Years	5/7/10 Years	5/7/10 Years

PHOTOMETRICS

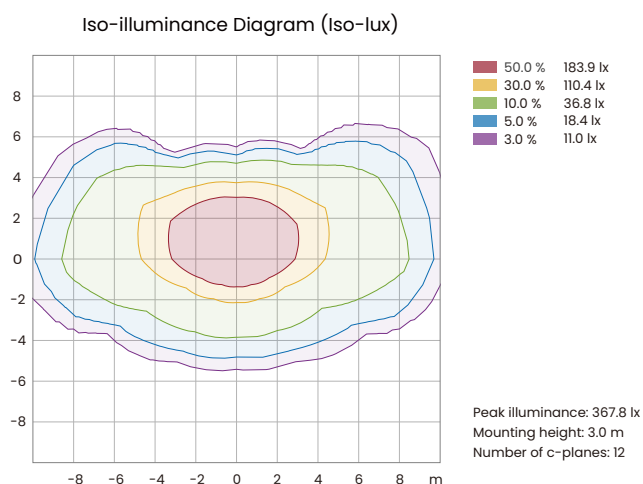


Type II

ILLUMINANCE DISTRIBUTION



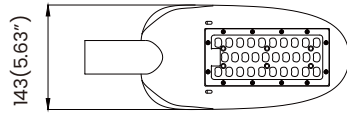
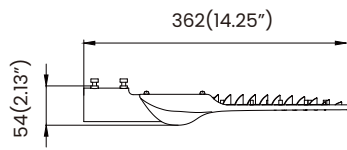
Type II



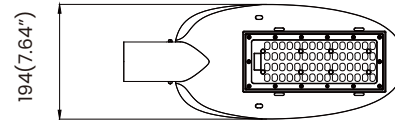
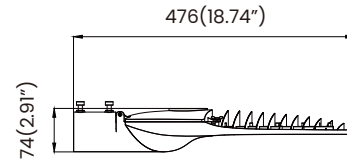
Type II

MECHANICAL DIMENSIONS

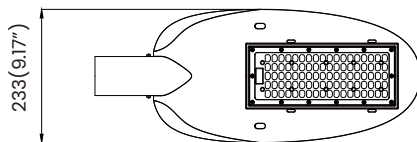
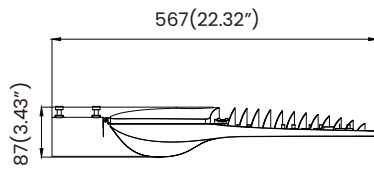
Product Model	SLB-20W/30W	SLB-40W/60W	SLB-80W/100W	SLB-120W/150W	SLB-180W/250W
Wattage	20-30W	40-60W	80-100W	120-150W	180-250W
Outer box (L*W*H)	385x335x320mm (15.16"x13.19"x12.60")	585x500x220mm (23.03"x19.69"x8.66")	590x510x260mm (23.22"x20.08"x10.23")	595x695x320mm (23.42"x27.36"x12.6")	360x765x150mm (14.17"x30.12"x5.91")
Qty/Ctn	10pcs	5pcs	4pcs	4pcs	1pc
N.W./Ctn	8kg/17.6lbs	8kg/17.6lbs	11.2kg/24.64lbs	13.6kg/29.92lbs	6.8kg/14.96lbs
G.W./Ctn	13kg/28.6lbs	11kg/24.25lbs	12.3kg/27.11lbs	17kg/37.48lbs	7.5kg/16.5lbs
Remarks	0.2M cable	0.2M cable	0.2M cable	0.2M cable	0.2M cable



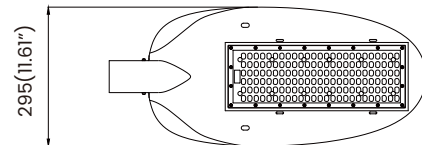
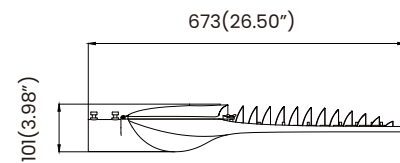
30W



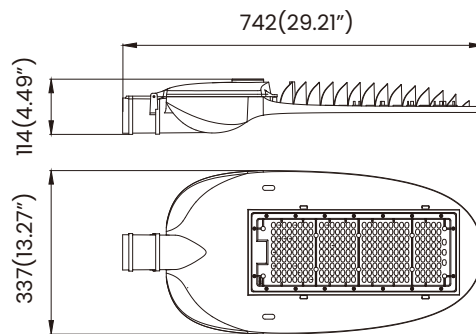
40-60W



80-100W



120-150W



180W-250W

ACCESSORIES



Dusk to Dawn
Photocell



10KV Surge Protector

ORDER INFORMATION

SLB-YY-YY-YY

1
2
3
4
5
6
7

1 SLB Series LED Street Light

2 Wattage

20W	20W
30W	30W
40W	40W
60W	60W
80W	80W
100W	100W
120W	120W
150W	150W
180W	180W
250W	250W

3 Color Temperature

50K	5000K
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4 Voltage

(Blank)	100-277V
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5 Dimmable

D	0-10V Dimming
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6 Optics

(Blank)	Type II
1	Type III
2	Type IV

7 Control

(Blank)	Photocell
S	Sensor Socket
C	Control Module



WARRANTY PERIOD
5/7/10 YEARS
WARRANTY OPTIONS



WARRANTY COVERAGE
**LED LIGHT SOURCE,
DRIVER**



AFTER-SALES
SERVICE COMMITMENT
24H RESPONSE



AFTER-SALES
SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT