



SLE SERIES

LED STREET LIGHT

INTRODUCTION

The FGE-SLE Series LED Street Light is an economical, energy-saving and flexible outdoor lighting solution designed for highways, roadways, avenues, walking pathways, car parks, and other public environments. Featuring a patent private model, it delivers reliable performance while adapting to diverse application scenarios.

Engineered with high-efficiency LED technology, it provides bright, uniform, and energy-saving illumination. Its robust die-cast aluminum housing offers great corrosion resistance, paired with a honeycomb-shape heat sink for excellent heat dissipation. Achieving an IP66 waterproof rating, it is ideal for damp locations and harsh outdoor conditions, ensuring long-lasting durability. The compact design supports both horizontal and vertical installation, enhancing installation convenience to meet varied project needs.

Suitable for standard pole mounting configurations, the SLE Series offers flexible application across different roadway types. With stable outdoor performance and reliable operation, it provides a cost-effective, efficient, and versatile lighting solution for modern urban infrastructure.



60W 80W 120W/100W 180W 240W

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

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

FEATURES



150lm/W

High Efficacy & Energy Saving: Up to 150 lm/W, reducing energy consumption by over 60% compared with HID fixtures.



Honeycomb-shape heat sink: The subtle design promotes heat dissipation efficiency, improve lamp service life.



90°

90° Adjustable Installation Angle: Flexible angle adjustment ensures optimal lighting coverage in any installation.



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



10KV

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



RELIABLE
WARRANTY

Reliable Warranty:
5 Years Warranty.



Type II, III, IV

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

- Robust Protection:

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

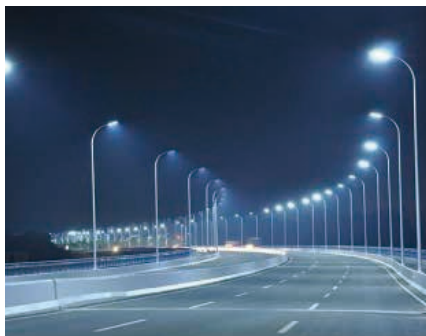
- Superior Thermal Management:

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

- Wide Input Voltage:

AC120-277V, suitable for global power grids.

APPLICATIONS



Road & Traffic Lighting: Provides safe, uniform illumination for various road types, ensuring visibility and smooth traffic flow.



Public & Urban Area Lighting: Enhances comfort and security in open public spaces with bright, reliable, and visually pleasant lighting.

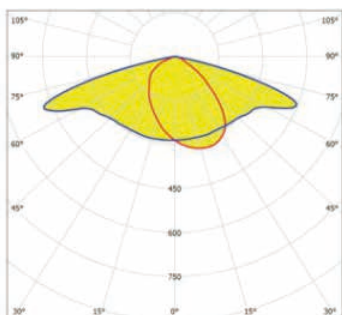


Industrial & Logistics Lighting: Delivers robust and efficient lighting for large outdoor industrial and logistics environments to support continuous operations.

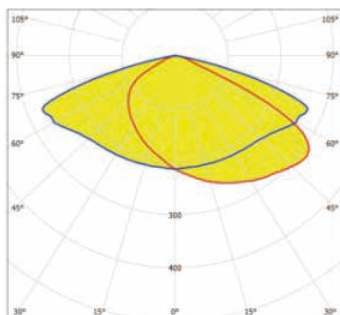
TECHNICAL PARAMETERS

Product Model	SLE-60W	SLE-80W	SLE-120W/100W	SLE-180W	SLE-240W
Electrical Performance					
Wattage	60W	80W	120W/100W	180W	240W
Input Voltage	AC120-277V	AC120-277V	AC120-277V	AC120-277V	AC120-277V
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	<20%	<20%	<20%	<20%	<20%
Optical Performance					
Luminous Efficacy	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W
Luminous Flux	9000lm	12000lm	18000lm/15000lm	27000lm	36000lm
CCT	2700K-6500K Options	2700K-6500K Options	2700K-6500K Options	2700K-6500K Options	2700K-6500K Options
CRI	Ra>70	Ra>70	Ra>70	Ra>70	Ra>70
Beam Angle	Type II, III, IV	Type II, III, IV	Type II, III, IV	Type II, III, IV	Type II, III, 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	Photocell (optional)	Photocell (optional)	Photocell (optional)	Photocell (optional)	Photocell (optional)
Communication Protocol	-	-	-	-	-
Emergency Kit	-	-	-	-	-
Mechanical					
Housing Material	Die cast aluminum ADC12	Die cast aluminum ADC12	Die cast aluminum ADC12	Die cast aluminum ADC12	Die cast aluminum ADC12
Lens Material	Polycarbonate (PC)	Polycarbonate (PC)	Polycarbonate (PC)	Polycarbonate (PC)	Polycarbonate (PC)
Coating	Grey	Grey	Grey	Grey	Grey
Net Weight	2.54kg	3.3kg	4.2kg	5.0kg	5.9kg
Dimensions	463x173x87mm	570x200x88mm	611x240x89mm	680x260x89mm	693x300x90mm
Warranty	5 Years	5 Years	5 Years	5 Years	5 Years

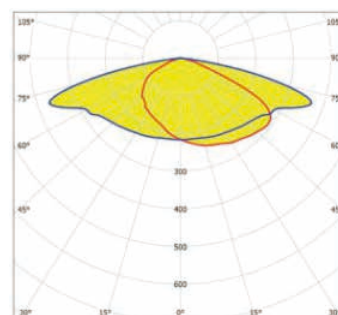
PHOTOMETRICS



Type II

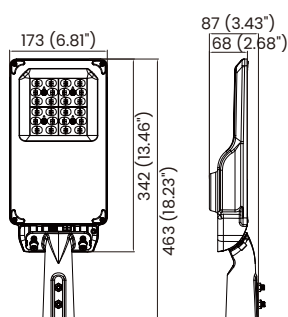


Type III

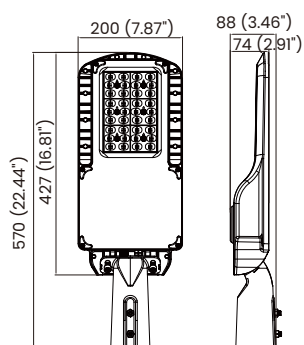


Type IV

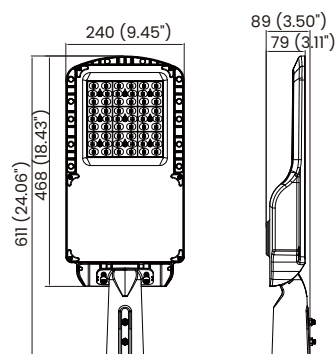
MECHANICAL DIMENSIONS



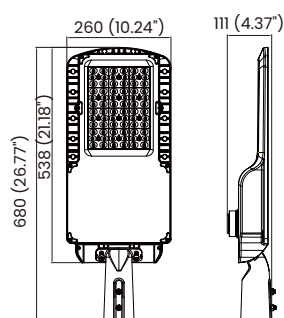
60W



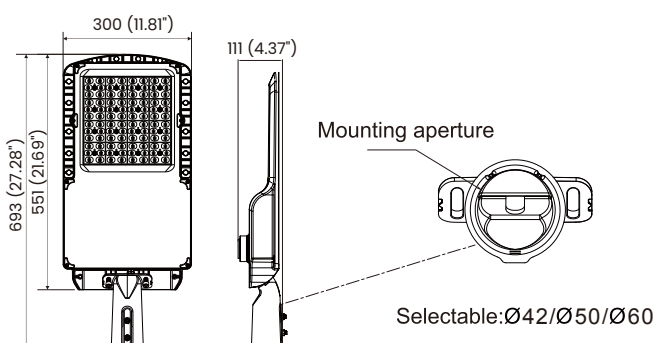
80W



120W/100W



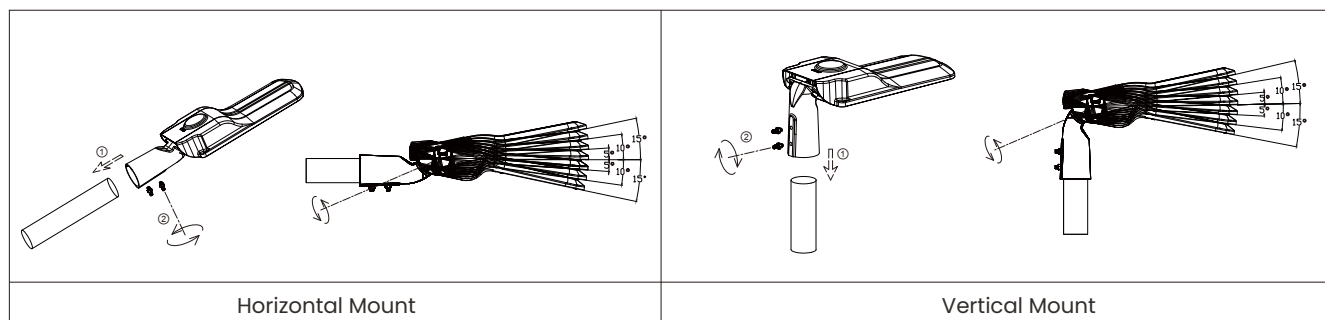
180W



240W

Product Model	SLE-60W	SLE-80W	SLE-120W/100W	SLE-180W	SLE-240W
Wattage	60W	80W	120W/100W	180W	240W
Outer box (L*W*H)	530x206x150mm (20.87"x8.11"x5.91")	603x235x135mm (23.74"x9.25"x5.31")	646x275x135mm (25.43"x10.83"x5.31")	716x295x135mm (28.19"x11.61"x5.31")	727x335x135mm (28.62"x13.19"x5.31")
Q'ty/Ctn	1pc	1pc	1pc	1pc	1pc
N.W./Ctn	2.54kg/5.60lbs	3.3kg/7.27lbs	4.2kg/9.26lbs	5.0kg/11.02lbs	5.9kg/13.01lbs
G.W./Ctn	3.0kg/6.61lbs	3.8kg/8.38lbs	4.9kg/10.80lbs	5.8kg/12.79lbs	6.8kg/14.99lbs
Remarks	-	-	-	-	-

INSTALLATION



Adjustable tilt angle: $\pm 0-5-10-15^{\circ}$

ORDER INFORMATION

SLE-YY-YY-YY

1

2

3

4

5

6

7

1 SLE Series LED Street Light

2 Wattage

60W	60W
80W	80W
100W	100W
120W	120W
180W	180W
240W	240W

3 Color Temperature

27K	2700K
30K	3000K
40K	4000K
45K	4500K
50K	5000K
55K	5500K
60K	6000K
65K	6500K

4 Voltage

(Blank)	120-277V
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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)	No Socket
S	Sensor Socket
C	Control Module



WARRANTY PERIOD
**5 YEARS
WARRANTY**



WARRANTY COVERAGE
**LED LIGHT SOURCE,
DRIVER**



AFTER-SALES
SERVICE COMMITMENT
24H RESPONSE



AFTER-SALES
SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT