



SLA SERIES

LED STREET LIGHT

INTRODUCTION

The FGE-SLA Series LED Street Light is a modern and high-performance outdoor lighting solution designed for urban roads, residential areas, pathways, and public environments. Featuring an elegant slim profile with a smooth surface, the SLA minimizes the accumulation of sand, leaves, snow, and other debris, ensuring long-term cleanliness and reliable operation in harsh outdoor conditions.

Engineered with high-efficacy LED technology, it delivers up to 170 lm/W, providing bright, uniform, and energy-efficient illumination. Its robust architecture is built to withstand demanding environments, achieving IP66 waterproof protection, IK10 impact resistance, and long-lasting durability. The compact and lightweight housing enhances installation convenience, while three available sizes support a wide power range from 30W to 180W to meet diverse road lighting requirements.

Suitable for standard pole mounting configurations, the SLA Series offers flexible application across various roadway classifications. With a long operational lifespan and stable outdoor performance, it provides a reliable, efficient, and refined lighting solution for modern urban infrastructure.



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 I, II, III

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, IK10 impact resistance for harsh industrial environments.

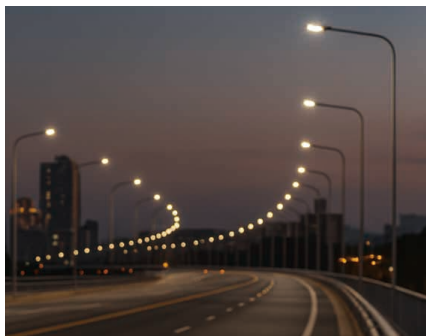
- Superior Thermal Management:

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

- Wide Input Voltage:

AC100-277V, suitable for global power grids.

APPLICATIONS



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.

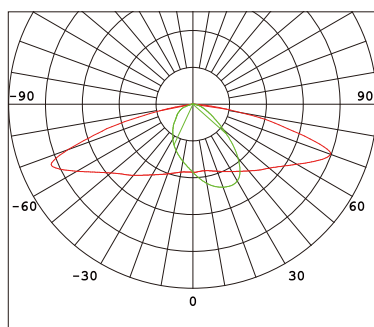


Industrial & Logistics Lighting: Delivers robust and efficient lighting for large outdoor industrial and logistics environments to support continuous operations.

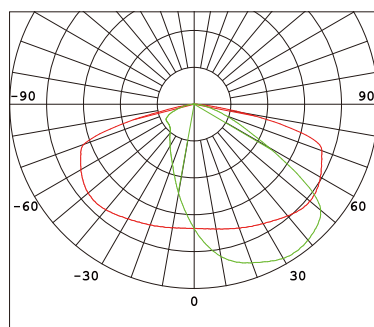
TECHNICAL PARAMETERS

Product Model	SLA-30W	SLA-40W	SLA-55W	SLA-75W	SLA-100W	SLA-120W	SLA-150W	SLA-180W
Electrical Performance								
Wattage	30W	40W	55W	75W	100W	120W	150W	180W
Input Voltage	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Factor (PF)	>0.97	>0.97	>0.97	>0.97	>0.97	>0.97	>0.97	>0.97
Surge Protection	L-N: 4KV, L/N-E: 6KV			L-N: 6KV, L/N-E: 6KV				
THD	<20%	<20%	<20%	<20%	<20%	<20%	<20%	<20%
Optical Performance								
Luminous Efficacy	170lm/W	170lm/W	170lm/W	170lm/W	170lm/W	170lm/W	170lm/W	170lm/W
Luminous Flux	5100lm	6800lm	9350lm	12750lm	12750lm	20400lm	25500lm	30600lm
CCT	4000K/5000K	4000K/5000K	4000K/5000K	4000K/5000K	4000K/5000K	4000K/5000K	4000K/5000K	4000K/5000K
CRI	Ra>70	Ra>70	Ra>70	Ra>70	Ra>70	Ra>70	Ra>70	Ra>70
Beam Angle	73x154°, 50x150°, 68x152°			80x160°, 69x156°			66x156°	
Unified Glare Rating (UGR)	-	-	-	-	-	-	-	-
Reliability								
Lifetime	>100,000h	>100,000h	>100,000h	>100,000h	>100,000h	>100,000h	>100,000h	>100,000h
Operating Temperature	-30 ~ +50°C	-30 ~ +50°C	-30 ~ +50°C	-30 ~ +50°C	-30 ~ +50°C	-30 ~ +50°C	-30 ~ +50°C	-30 ~ +45°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66
Impact Resistance	IK10	IK10	IK10	IK10	IK10	IK10	IK10	IK10
Control								
Dimming	0-10V Dimming	0-10V Dimming	0-10V Dimming	0-10V Dimming	0-10V Dimming	0-10V Dimming	0-10V Dimming	0-10V Dimming
Sensor	Dusk to Dawn Photocell							
Communication Protocol	-	-	-	-	-	-	-	-
Emergency Kit	-	-	-	-	-	-	-	-
Mechanical								
Housing Material	Aluminum alloy	Aluminum alloy	Aluminum alloy	Aluminum alloy	Aluminum alloy	Aluminum alloy	Aluminum alloy	Aluminum alloy
Lens Material	PC	PC	PC	PC	PC	PC	PC	PC
Coating	Grey/RAL870-3	Grey/RAL870-3	Grey/RAL870-3	Grey/RAL870-3	Grey/RAL870-3	Grey/RAL870-3	Grey/RAL870-3	Grey/RAL870-3
Net Weight	1.9kg	1.9kg	1.9kg	3.2kg	3.2kg	3.2kg	4.4kg	4.4kg
Dimensions	524x145x82mm	524x145x82mm	524x145x82mm	634x176x82mm	634x176x82mm	634x176x82mm	723x210x82mm	723x210x82mm
Warranty	5/7/10 Years	5/7/10 Years	5/7/10 Years	5/7/10 Years	5/7/10 Years	5/7/10 Years	5/7/10 Years	5/7/10 Years

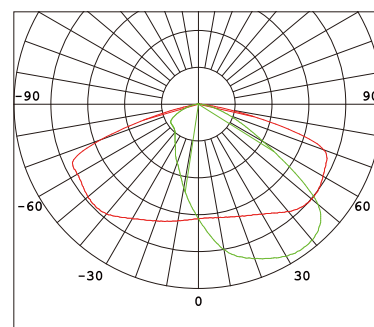
PHOTOMETRICS



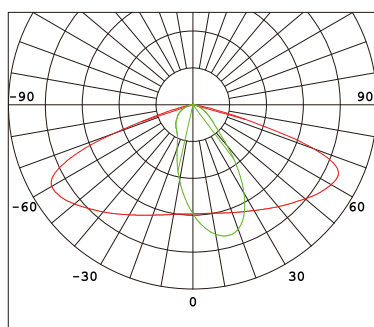
Type II Medium (73x154° Tilt30°)



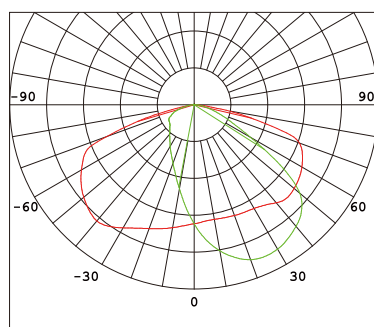
Type III Short (69x156° Tilt45°)



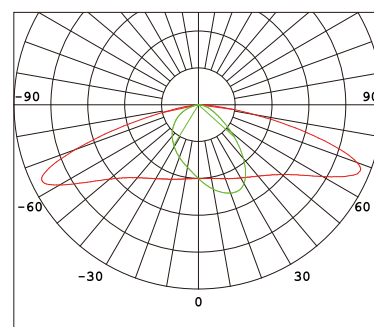
Type III Medium (66x156° Tilt45°)



Type I Short (50x150° Tilt20°)

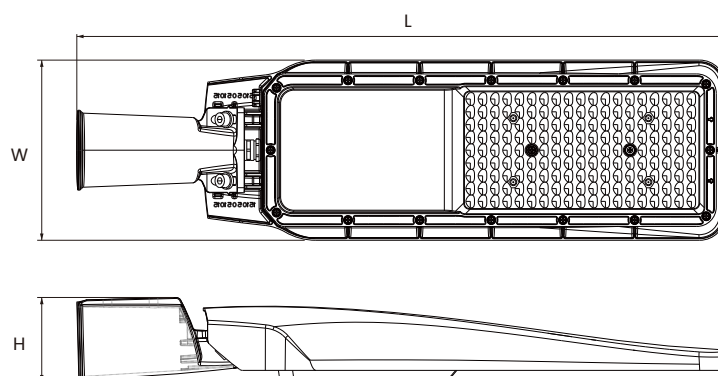


Type III Short (68x152° Tilt45°)



Type II Medium (80x160° Tilt30°)

MECHANICAL DIMENSIONS



Product Model	SLA-30W	SLA-40W	SLA-55W	SLA-75W	SLA-100W	SLA-120W	SLA-150W	SLA-180W
Wattage	30W	40W	55W	75W	100W	120W	150W	180W
Outer box (L*W*H)	435x170x155mm (17.13"x6.69"x6.10")	435x170x155mm (17.13"x6.69"x6.10")	435x170x155mm (17.13"x6.69"x6.10")	645x200x110mm (25.39"x7.87"x4.33")	645x200x110mm (25.39"x7.87"x4.33")	645x200x110mm (25.39"x7.87"x4.33")	740x240x110mm (29.13"x9.45"x4.33")	740x240x110mm (29.13"x9.45"x4.33")
Q'ty/Ctn	1pc	1pc	1pc	1pc	1pc	1pc	1pc	1pc
N.W./Ctn	1.9kg/4.19lbs	1.9kg/4.19lbs	1.9kg/4.19lbs	3.2kg/7.05lbs	3.2kg/7.05lbs	3.2kg/7.05lbs	4.4kg/9.70lbs	4.4kg/9.70lbs
G.W./Ctn	2.9kg/6.39lbs	2.9kg/6.39lbs	2.9kg/6.39lbs	4.3kg/9.48lbs	4.3kg/9.48lbs	4.3kg/9.48lbs	5.6kg/12.35lbs	5.6kg/12.35lbs
Remarks	-	-	-	-	-	-	-	-

MOUNTING OPTIONS



Post-top Mounting



Side-entry Mounting

ACCESSORIES



60mm/76mm spigot



Photocell



L shape adaptor for
dia.60 spigot, 76mm pole



L shape adaptor for
dia.60 spigot, 90mm pole



T shape adaptor for
dia.60 spigot, 60mm pole



T shape pole mount adaptor
for dia.60 spigot, 76mm pole



T shape pole mount adaptor
for dia.60 spigot, 90mm pole



90 degree two lights adaptor
for dia.60 spigot, 90mm pole



Triple arm adaptor for
dia.60 spigot, 90mm pole



Quad arm adaptor for
dia.60 spigot, 90mm pole



Wall mounting adaptor
for dia.60mm spigot



Corner adaptor for
dia.60mm spigot



L shape pole mount adaptor
for dia.60 spigot and
100x100mm square pole



T shape pole mount adaptor
for dia.60 spigot and
100x100mm square pole



60mm to 42mm
Adapter Fitting



76mm to 60mm
Adapter Fitting

INSTALLATION

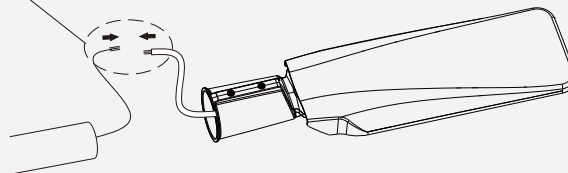
1. ✂ Connect Wires

AC cords			
Class I	L	brown	black
	N	blue	white
	⊕	yellow/green	green
Class II	L	brown	black
	N	blue	white

Warning! Do not wire dim cord to high voltage, or dim function will fail.

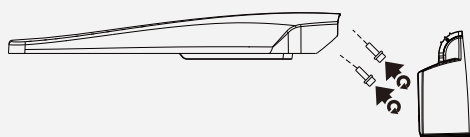
DIM cords

Note: color for dim cords subject to the cable label on luminaire

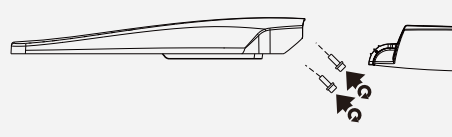


2. ✂

Post top mount

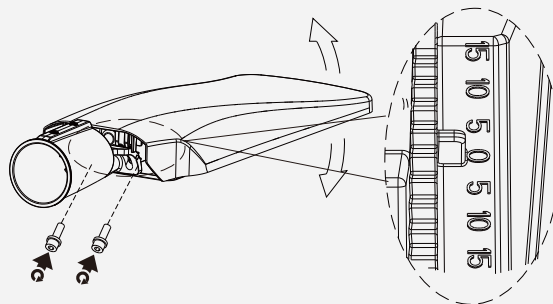


Side entry mount



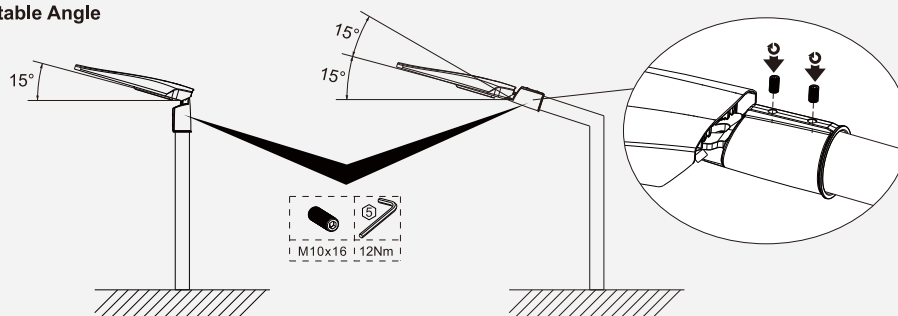
3. ✂

M8x25
2PCS
8 N.m



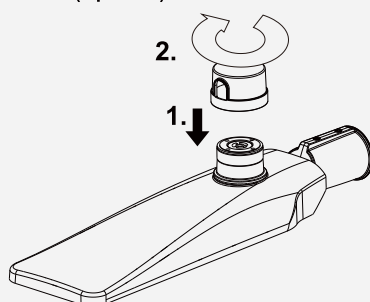
4. ✂

Rotatable Angle



Function (please refer to actual model)

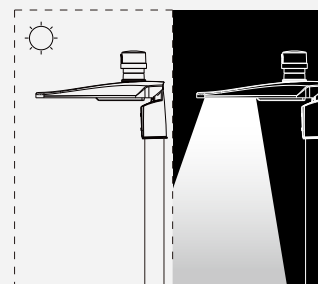
Photocell(Optional)



5 pin or 7 pin
NEMA socket



Note: If the luminaire use 5 pin or 7 pin NEMA socket, it need to add a waterproof gasket between socket and photocell control.



ORDER INFORMATION

SLA-YY-YY-YY

①
② ③
④ ⑤
⑥ ⑦

① SLA Series LED Street Light

② Wattage

30W	30W
40W	40W
55W	55W
75W	75W
100W	100W
120W	120W
150W	150W
180W	180W

③ Color Temperature

40K	4000K
50K	5000K

④ Voltage

(Blank)	100-277V
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⑤ Dimmable

D	0-10V Dimming
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⑥ Optics

(Blank)	Type II Medium (73x154° Tilt30°)
1	Type III Short (69x156° Tilt45°)
2	Type III Medium (66x156° Tilt45°)
3	Type I Short (50x150° Tilt20°)
4	Type III Short (68x152° Tilt45°)
5	Type II Medium (80x160° Tilt30°)

⑦ Control

(Blank)	No Socket
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