



ALE II SERIES

LED AREA LIGHT

INTRODUCTION

The FGE-ALE II Series LED Area Light is engineered to deliver powerful, energy-efficient illumination for outdoor spaces such as parking lots, roadways, campuses, and industrial areas. Featuring high-efficacy LED chips and advanced optical lens design, it achieves up to 150 lm/W, providing uniform, glare-free lighting that enhances visibility and safety.

Its die-cast aluminum housing ensures excellent heat dissipation and corrosion resistance, with IP65 protection ratings for reliable operation in harsh outdoor environments. Multiple mounting options (slip fitter, arm, wall, or yoke) and adjustable beam angles offer flexibility for various installation scenarios.

The ALE II Series also supports dimming, photocell, and motion sensor controls for smart energy management. With a 100,000-hour rated lifetime and 5/7/10-year warranty, it delivers long-lasting performance and reduced maintenance costs, making it an ideal choice for modern outdoor lighting projects.



FEATURES



3 WATTS
SELECTABLE

Wattage Selectable: Multi-wattage options in a single fixture for flexible applications and reduced inventory.



CCT
SELECTABLE

CCT Tunable: Adjustable color temperature to suit diverse environments.



150lm/W

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



Multiple Optical Lens Options: 4 beam angle options (rectangular beam angle for aisle in warehouse; Symmetric beam angle for open space)



QUICK & EASY

Easy Installation and Maintenance:

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



SENSOR

Plug & Play Sensor Options: Provides smart lighting control to improve energy efficiency and convenience.



Dusk to Dawn Photocell Options:

Automatically turns lights on at dusk and off at dawn for energy savings, convenience, and extended lifespan.



RELIABLE
WARRANTY

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

- Advanced Optical Design:

High-transmittance PC lens with Type III beam options, ensuring uniform illumination and glare reduction.

- Robust Protection:

IP65 waterproof & dustproof, IK08 impact resistance for harsh industrial environments.

- Superior Thermal Management:

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

- Versatile Mounting Options:

Slip fitter, straight arm, yoke, u-bracket mounting for flexible installation.

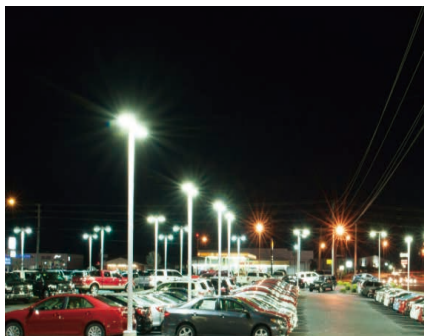
- Wide Input Voltage:

AC120-277V, suitable for global power grids.

APPLICATIONS



Parking Lot: Providing bright, uniform illumination for parking areas, enhancing safety for vehicles and pedestrians, and improving security by reducing dark spots.



Car Dealership: Enhancing vehicle display effects, reducing operational costs, and ensuring safety and comfort.

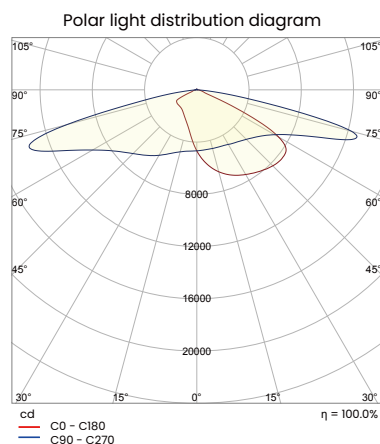


Industrial Areas: Illuminate factories, warehouses, and industrial yards, facilitating nighttime operations and ensuring safety in large, open spaces.

TECHNICAL PARAMETERS

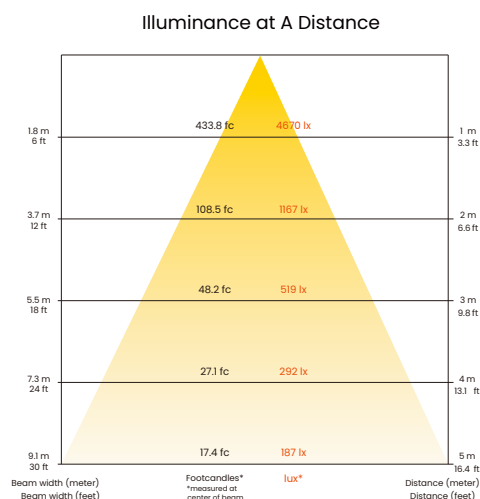
Product Model	ALEII-150W	ALEII-200W	ALEII-300W
Electrical Performance			
Wattage Selectable	150W/100W/70W	200W/150W/100W	300W/240W/200W
Input Voltage	AC120~277V	AC120~277V	AC120~277V
Frequency	50/60Hz	50/60Hz	50/60Hz
Power Factor (PF)	>0.9	>0.9	>0.9
Surge Protection	6KV	6KV	6KV
THD	<20%	<20%	<20%
Optical Performance			
Luminous Efficacy	150lm/W	150lm/W	150lm/W
Luminous Flux	22500lm/15000lm/10500lm	30000lm/22500lm/15000lm	45000lm/36000lm/30000lm
CCT Selectable	4000K/5000K	4000K/5000K	4000K/5000K
CRI	Ra>70	Ra>70	Ra>70
Beam Angle	TYPE II / Type III / TYPE IV/ TYPE V	TYPE II / Type III / TYPE IV/ TYPE V	TYPE II / Type III / TYPE IV/ TYPE V
Unified Glare Rating (UGR)	<28	<28	<28
Reliability			
Lifetime	>100,000h, L70 @25°C	>100,000h, L70 @25°C	>100,000h, L70 @25°C
Operating Temperature	-40 ~ +45°C	-40 ~ +45°C	-40 ~ +45°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP65	IP65	IP65
Impact Resistance	IK08	IK08	IK08
Control			
Dimming	0-10V/DALI	0-10V/DALI	0-10V/DALI
Sensor	PIR Sensor; Motion Sensor	PIR Sensor; Motion Sensor	PIR Sensor; Motion Sensor
Communication Protocol	Bluetooth/Zigbee/LoRa	Bluetooth/Zigbee/LoRa	Bluetooth/Zigbee/LoRa
Emergency Kit	-	-	-
Mechanical			
Housing Material	Aluminum Die Casting	Aluminum Die Casting	Aluminum Die Casting
Lens Material	Polycarbonate	Polycarbonate	Polycarbonate
Coating	Brown/RAL8019	Brown/RAL8019	Brown/RAL8019
Net Weight	2.5kg	2.95kg	4.7kg
Dimensions	404X250X65mm	461X288X65mm	576X338X71mm
Warranty	5/7/10 Years	5/7/10 Years	5/7/10 Years

PHOTOMETRICS

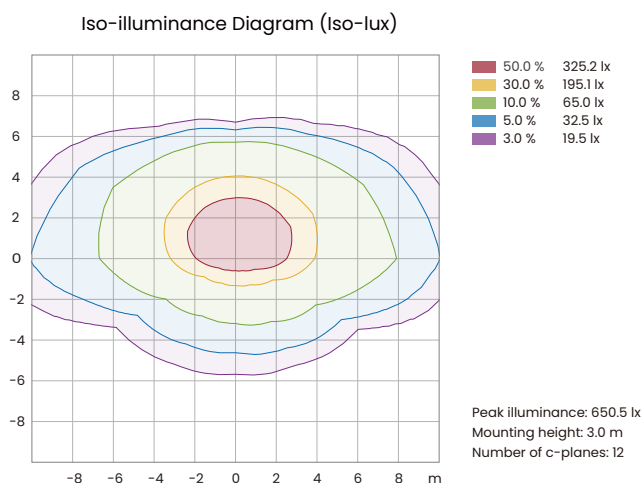


Type III

ILLUMINANCE DISTRIBUTION



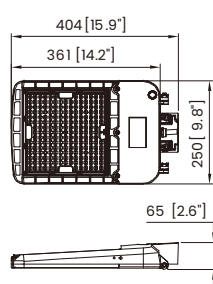
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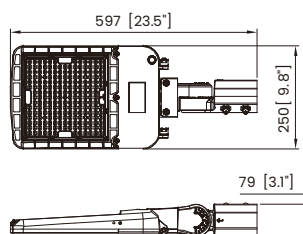
Type III

MECHANICAL DIMENSIONS

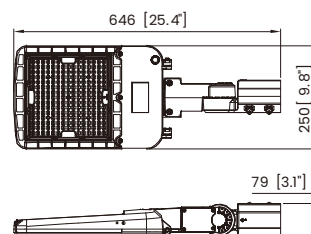
150W/100W/70W



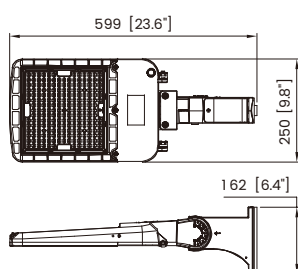
TYPE A



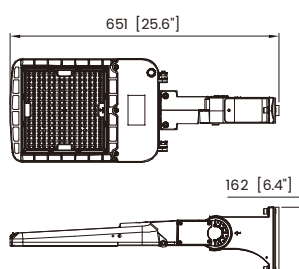
TYPE A2



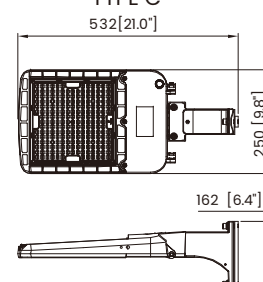
TYPE B



TYPE B2

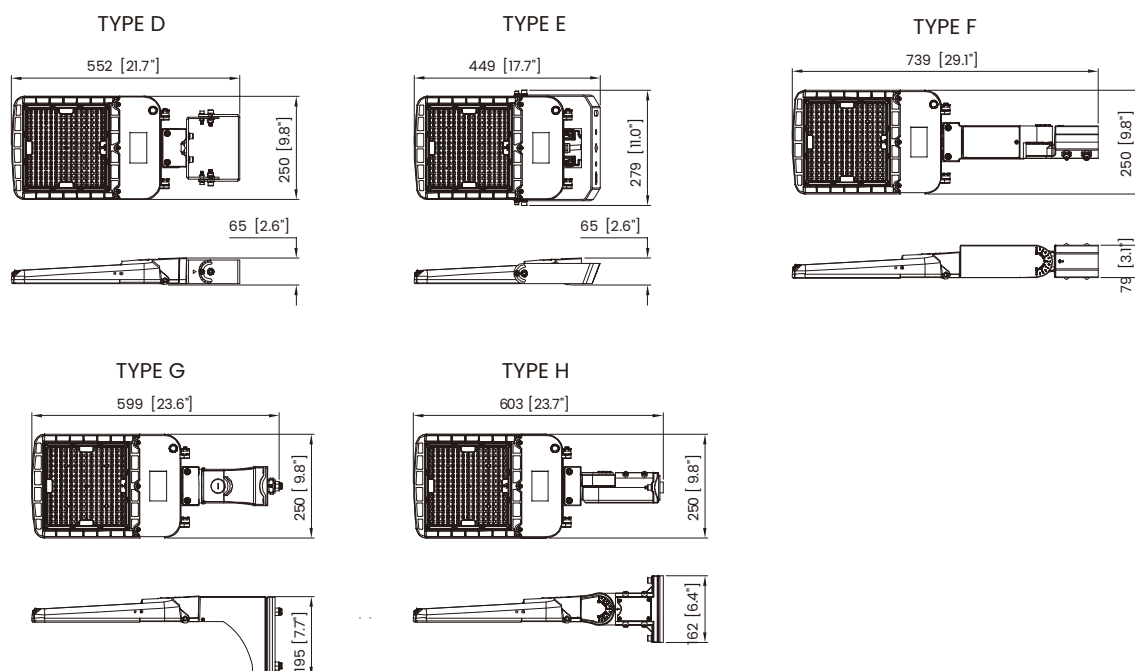


TYPE C

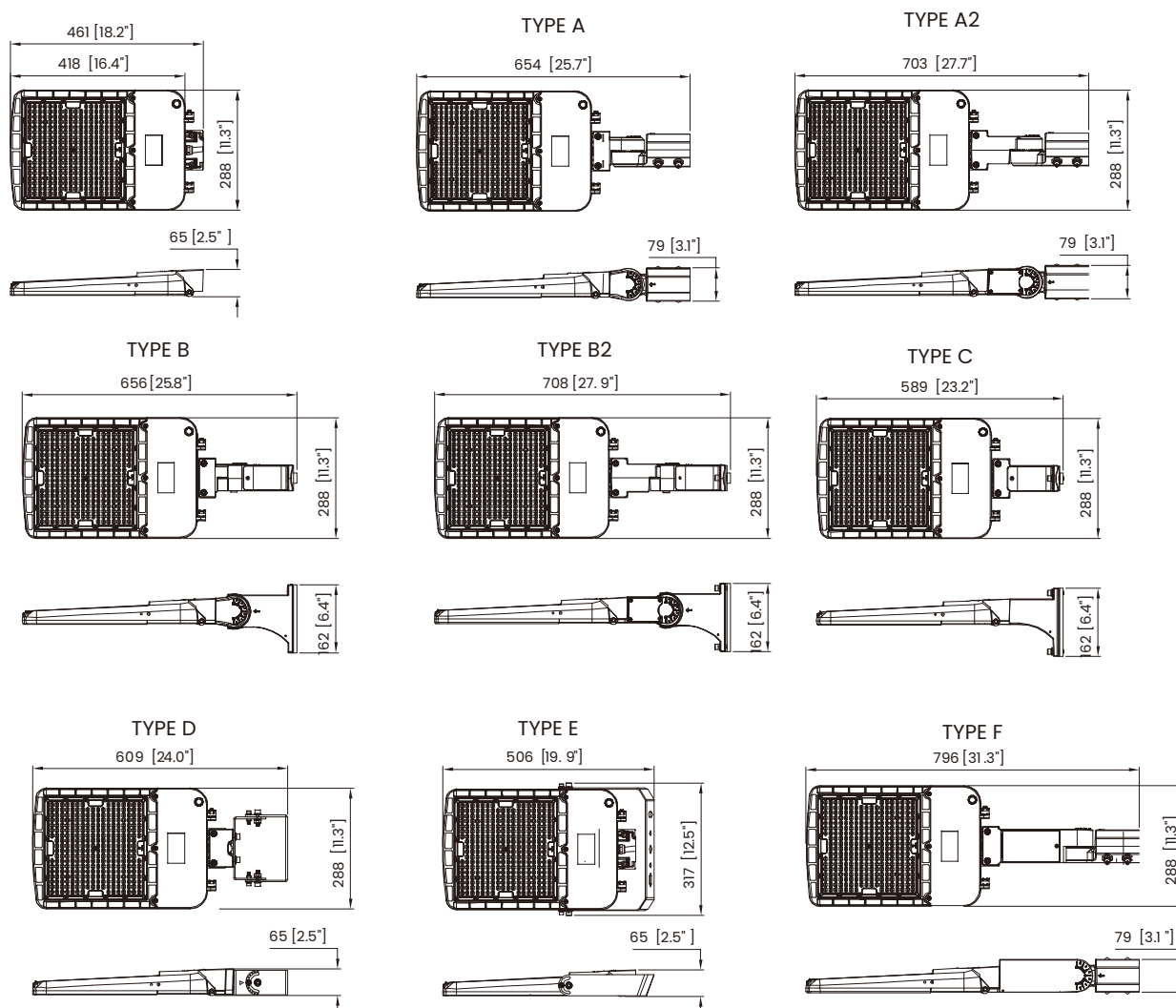


MECHANICAL DIMENSIONS

150W/100W/70W

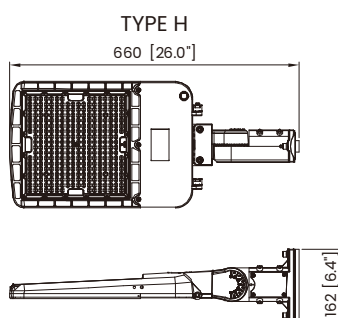
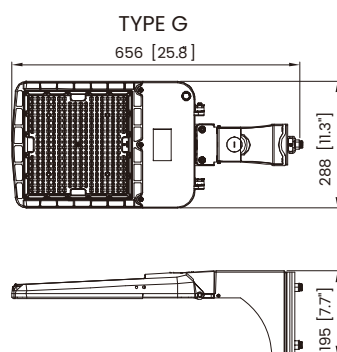


200W/150W/100W

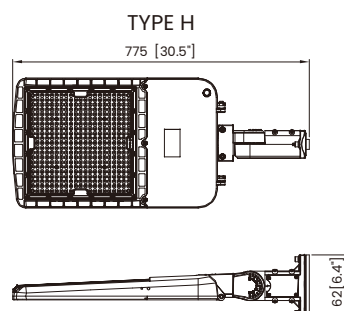
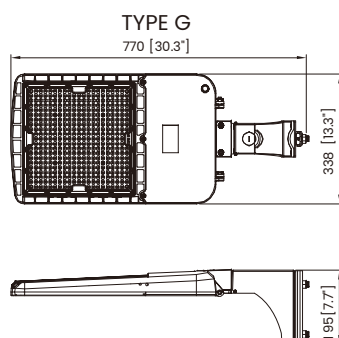
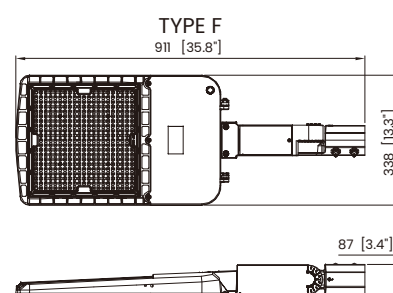
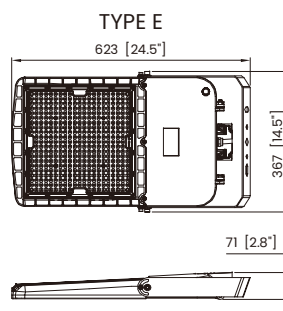
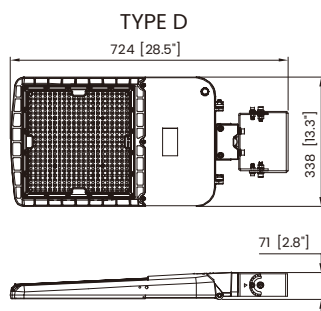
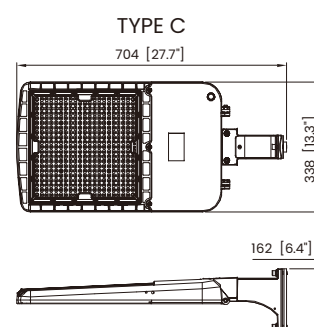
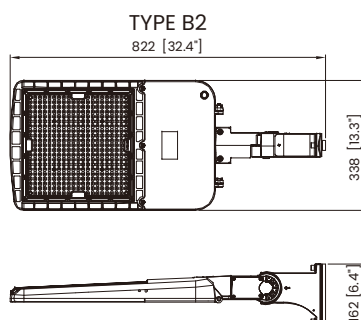
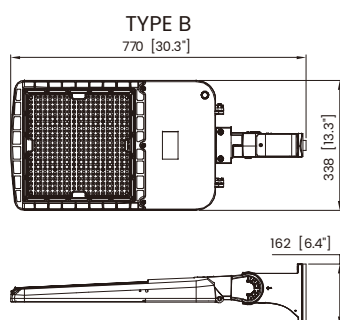
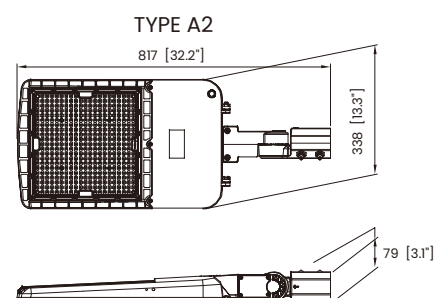
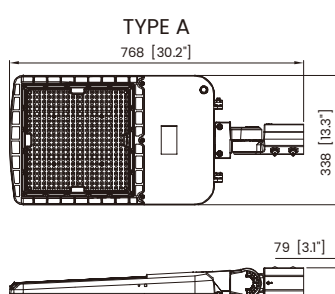
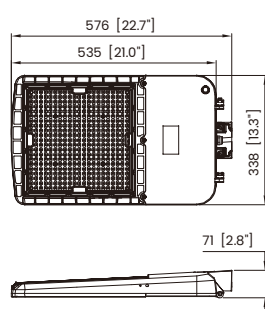


MECHANICAL DIMENSIONS

200W/150W/100W



300W/240W/200W

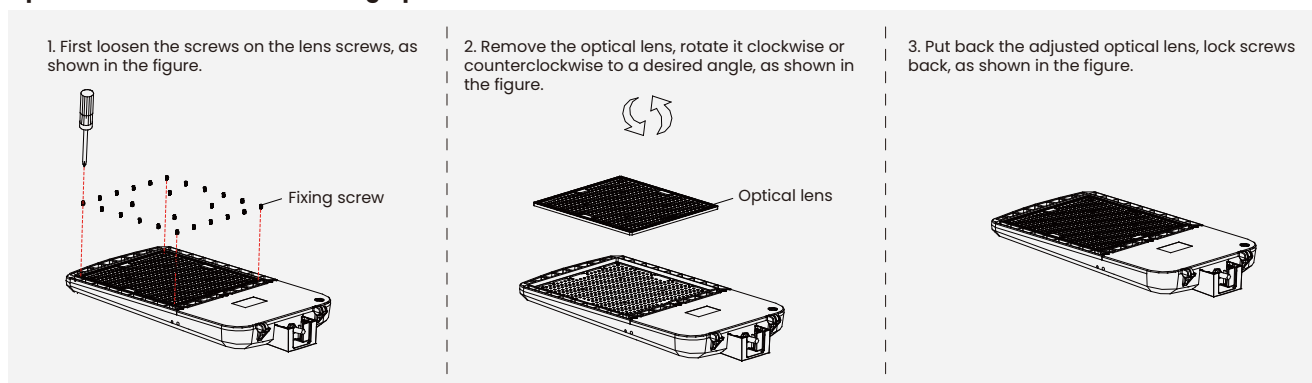


MECHANICAL DIMENSIONS

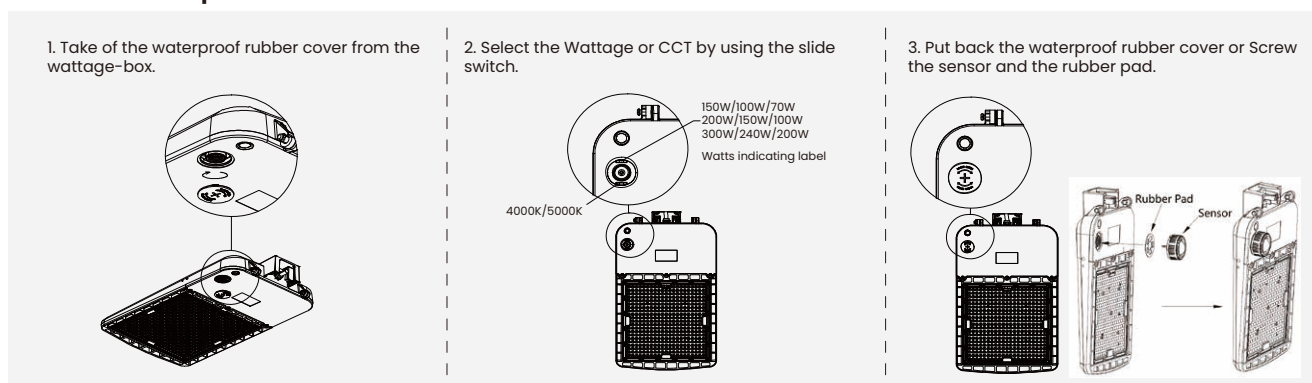
Product Model	ALEII-150W	ALEII-200W	ALEII-300W
Wattage Selectable	150W/100W/70W	200W/150W/100W	300W/240W/200W
Outer box (L*W*H)	435x290x122mm (17.13"x11.42"x4.8")	493x328x122mm (19.4"x12.91"x4.8")	608x378x132mm (23.94"x14.88"x5.2")
Q'ty/Ctn	1pc	1pc	1pc
N.W./Ctn	2.5kg/5.51lbs	2.95kg/6.51lbs	4.7kg/10.36lbs
G.W./Ctn	3.3kg/7.28lbs	3.85kg/8.49lbs	5.7kg/12.57lbs
Remarks	1M cable	1M cable	1M cable

INSTALLATION

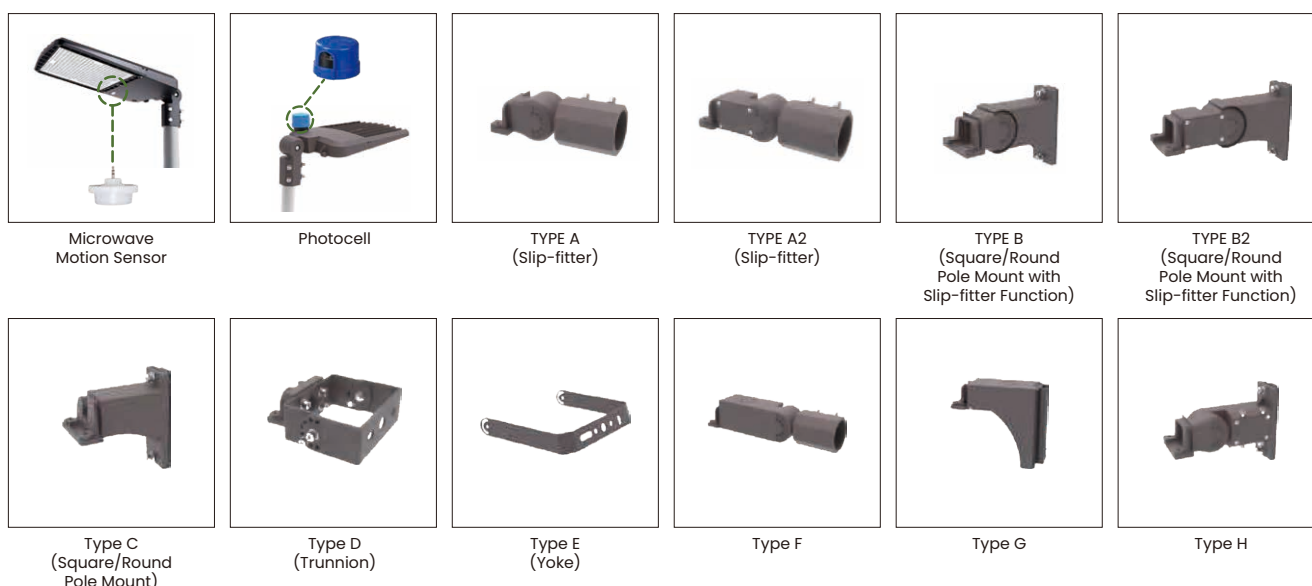
Operation Instruction of Rotating Optical Lens



Watts Selected Operation Manual



ACCESSORIES



ORDER INFORMATION

ALEII-YY-YY-YY-YY

1
2 3
4 5
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8 9

1 ALE II Series LED Area Light

2 Wattage

150W	150W/100W/70W
200W	200W/150W/100W
300W	300W/240W/200W

3 Color Temperature

40K	4000K
50K	5000K/4000K Selectable

4 Voltage

(Blank)	120-277V
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5 Dimmable

D	0-10V Dimming
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6 Optics

(Blank)	Type III
II	Type II
IV	Type IV
V	Type V

7 Control

(Blank)	Photocell
S	Sensor Socket
C	Control Module

8 Mounting Options

A	Type A
A2	Type A2
B	Type B
B2	Type B2
C	Type C
D	Type D
E	Type E
F	Type F
G	Type G
H	Type H

9 Options

(Blank)	1M cord
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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